



Welkom !

Adobe Generative AI

Peter Villevoye



Wat gaan we doen ?

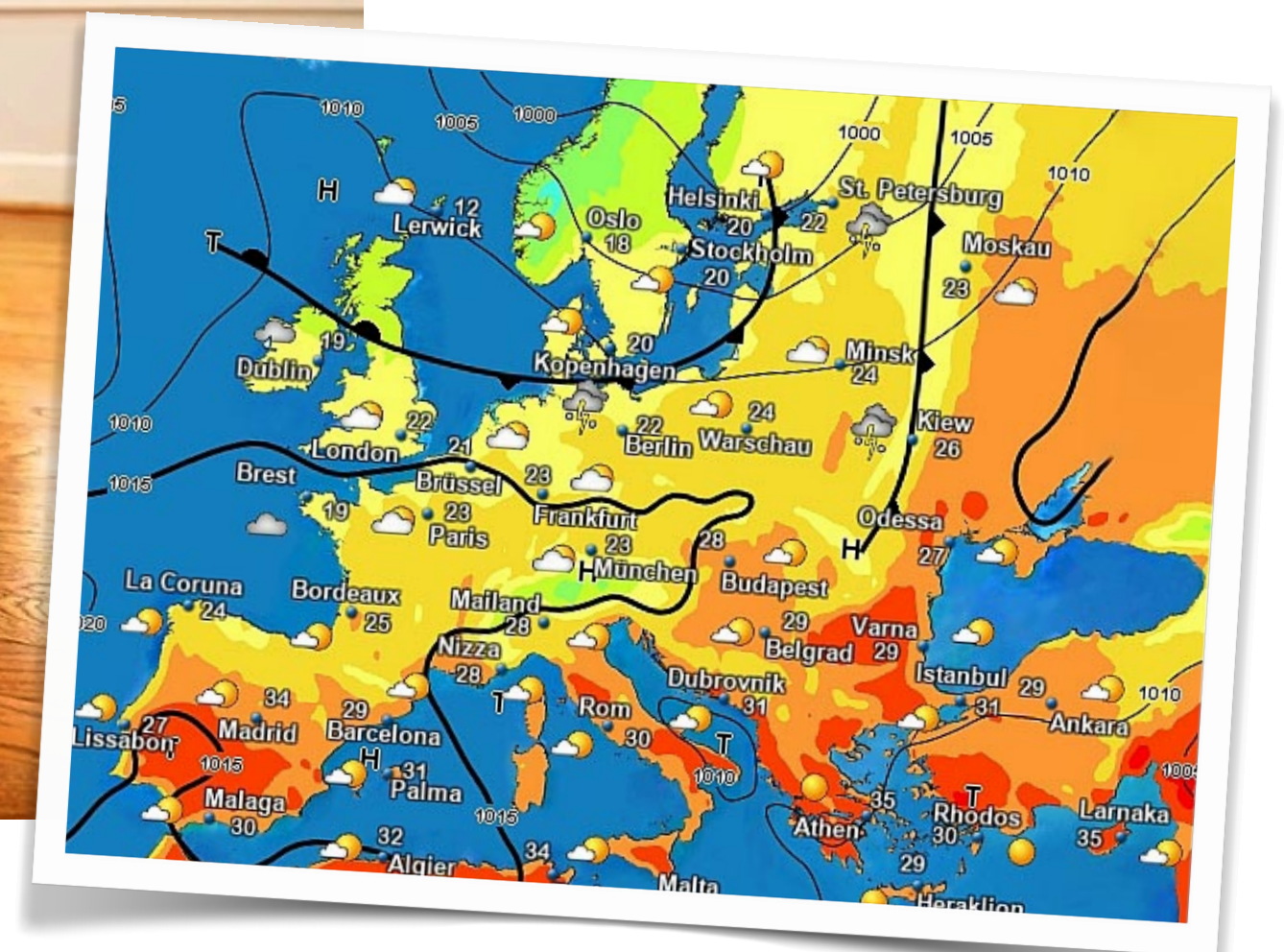
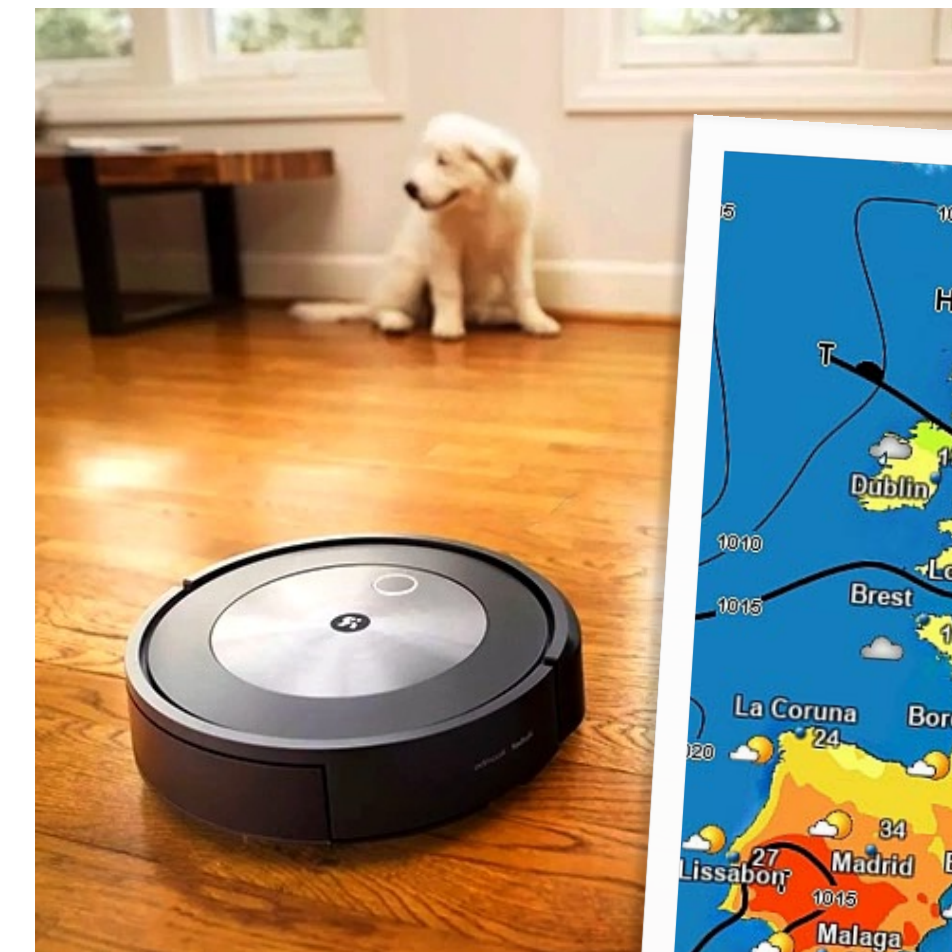
- Samen bekijken en bespreken wat *Adobe Generative AI* behelst.



Officieel aangekondigd op Adobe MAX 2023

Artificial Intelligence

- Logistics AI (bijv. in lift, koelkast, *Roomba*...)
- Predictive AI (bijv. de weersvoorspellingen)
- **Generative AI** (bijv. *ChatGPT* en *Photoshop*)



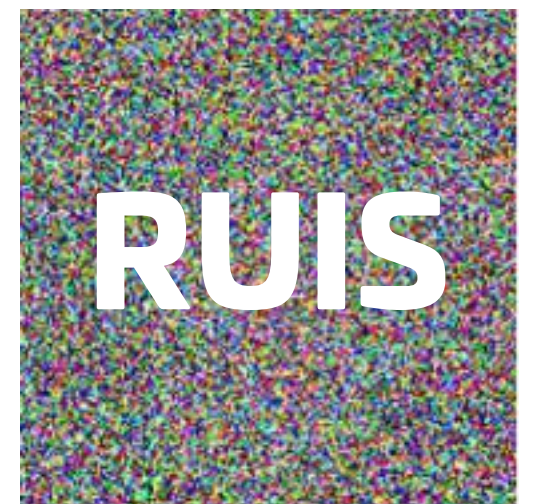
Wat zijn *Generative AI-models* ?

A generative model is a statistical model of a joint probability distribution $P(X,Y)$ on given observable variable X and target variable Y .

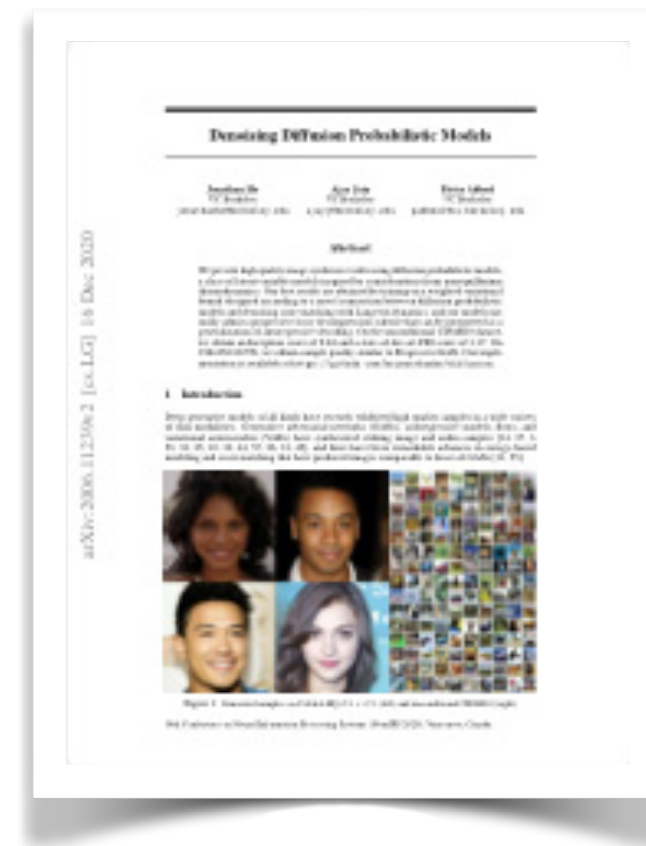
Fijn. Nou weet je het.

Maar... wat doet het ? En hoe werkt het ?

Een *Generative AI-model* is getraind in het **genereren** van compleet nieuwe **content**, a.h.v. waarschijnlijkheden, aannames en...

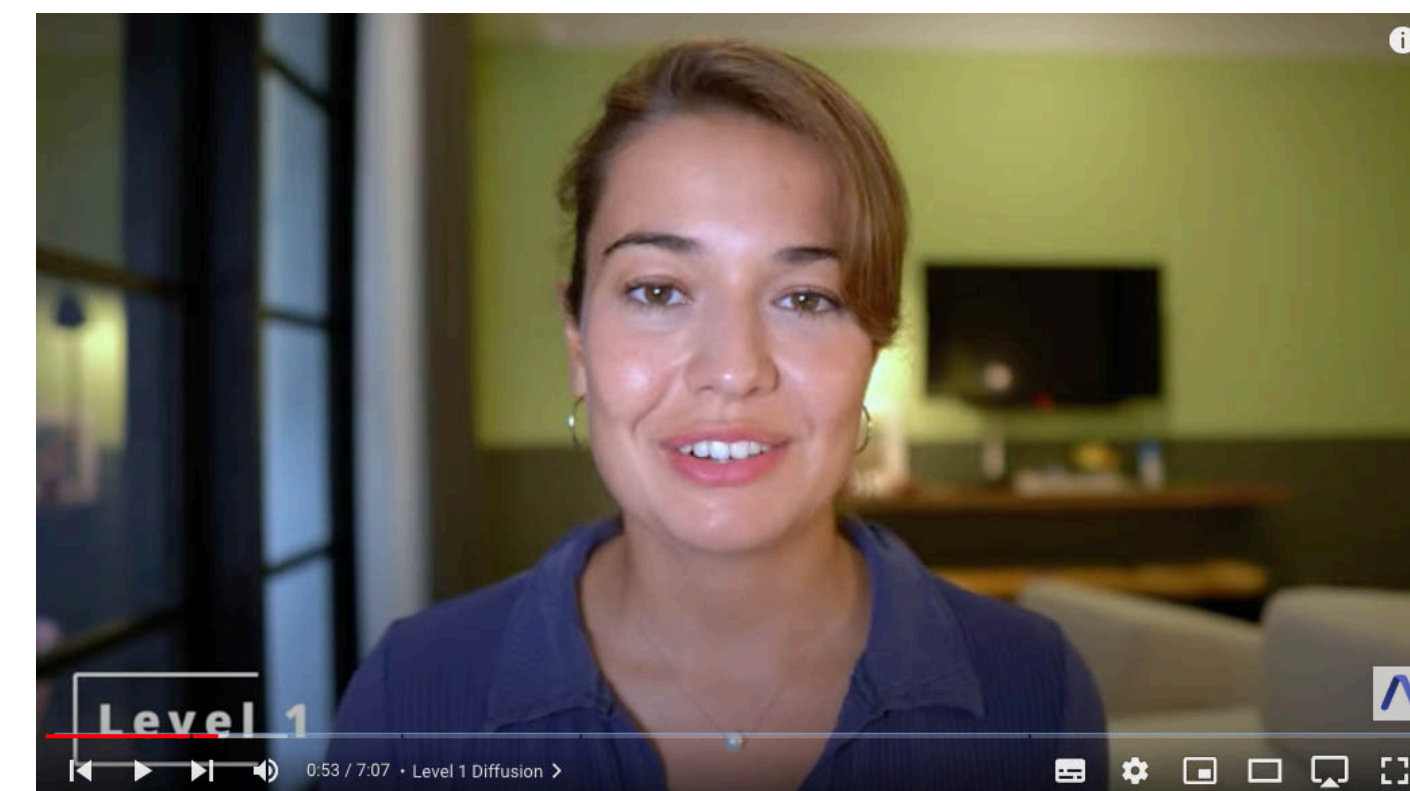


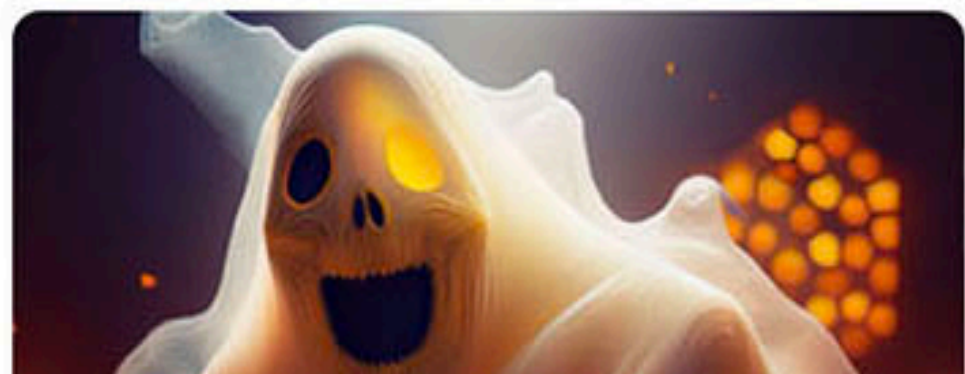
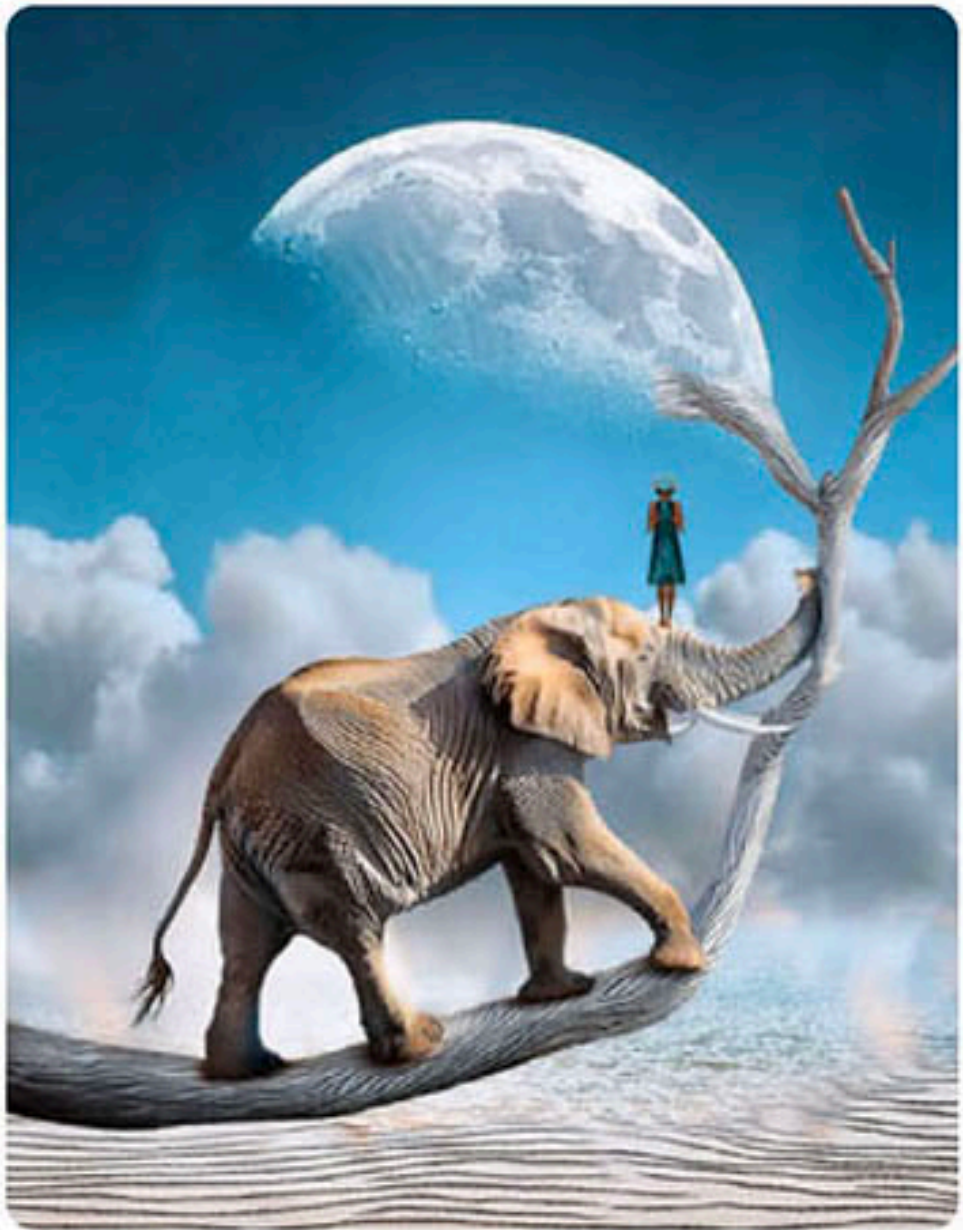
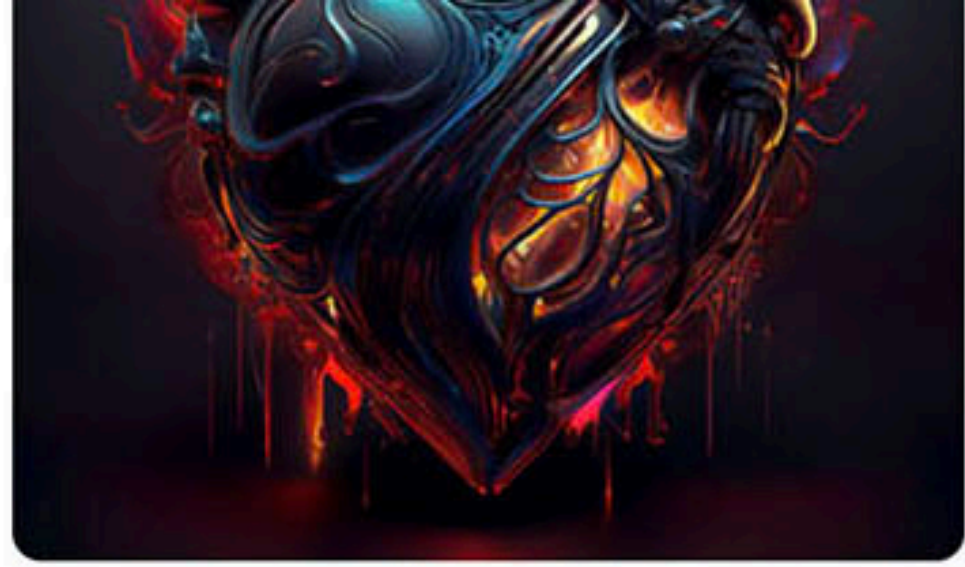
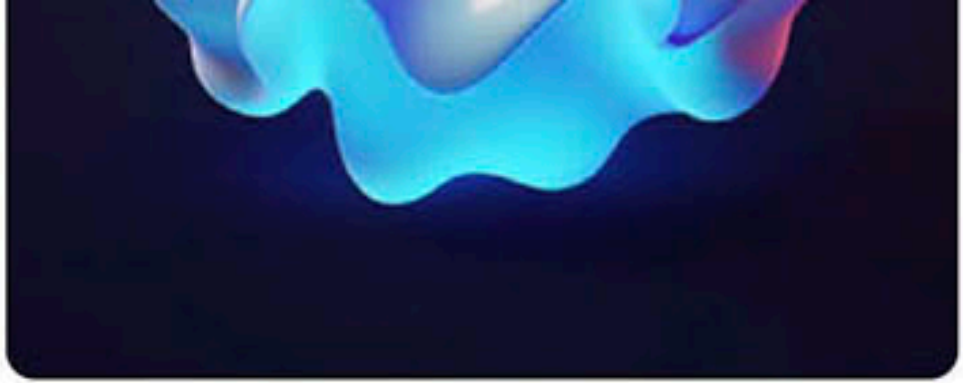
Wetenschappelijk onderzoek



- <https://arxiv.org/pdf/1503.03585.pdf>
- <https://arxiv.org/pdf/2006.11239.pdf>
- <https://arxiv.org/pdf/2102.09672.pdf>
- <https://arxiv.org/pdf/2105.05233.pdf>

- <https://www.youtube.com/watch?v=yTAMrHVG1ew>

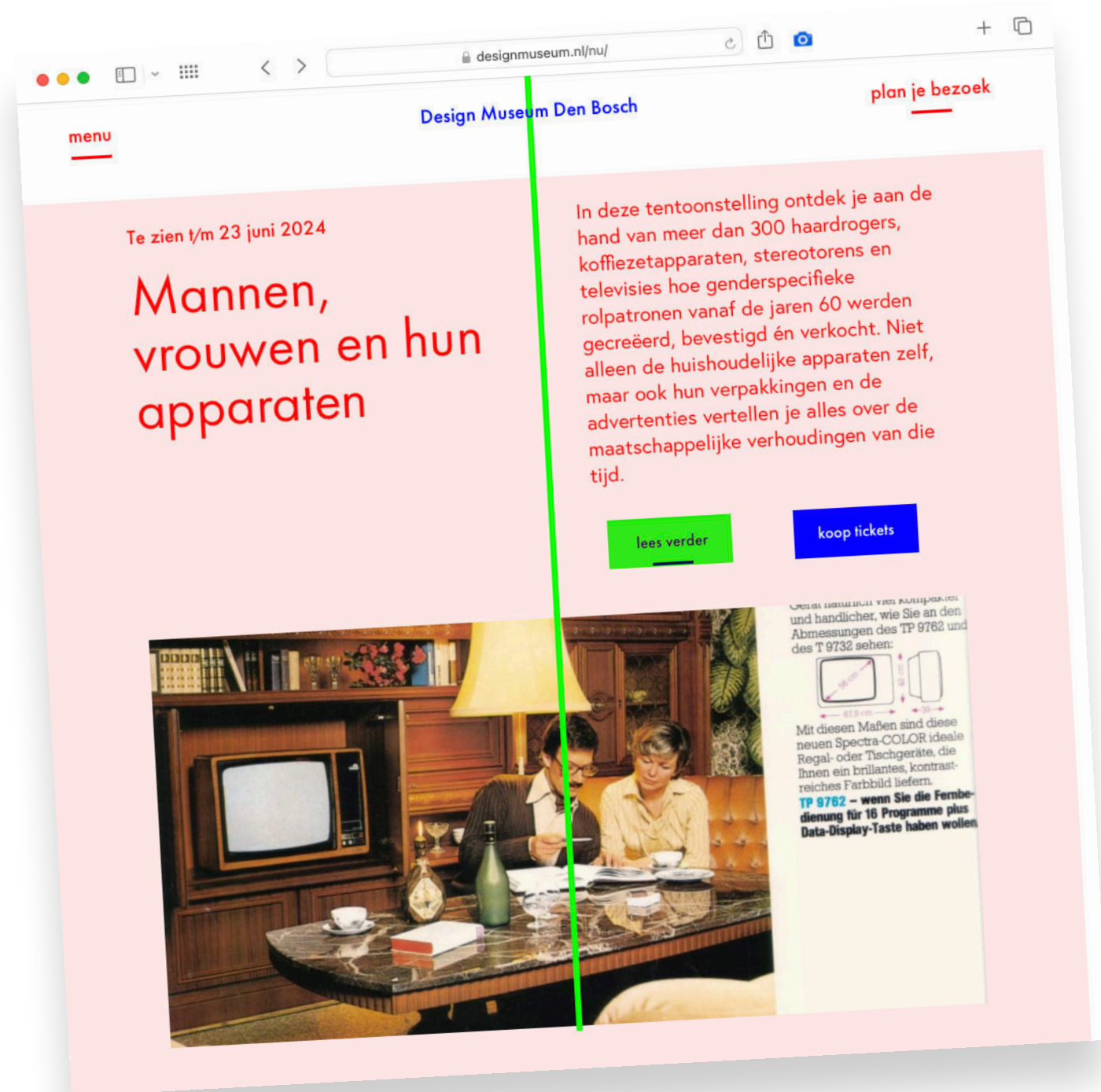




1001
mooie
beelden...

Mannen, vrouwen, apparaten

Een hilarische terugblik op vroegere tijden...



Politieke utopia (illustratief)



Generative AI...

Zal altijd nieuwe content genereren.

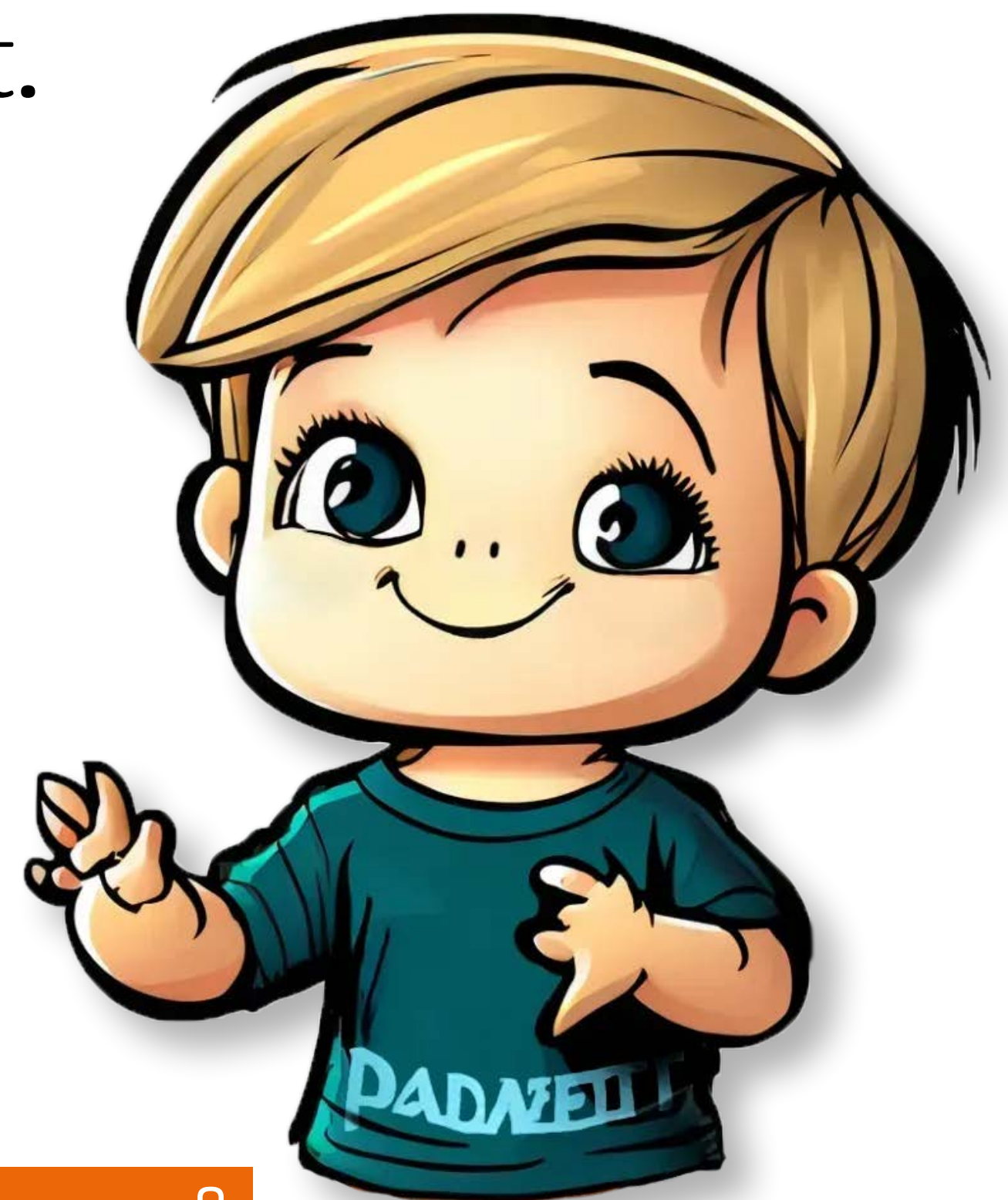
Dus verse, authentieke content blijft nodig !

Generative AI leert zoals een kind iets leert.

Het is momenteel een **geniale kleuter**.

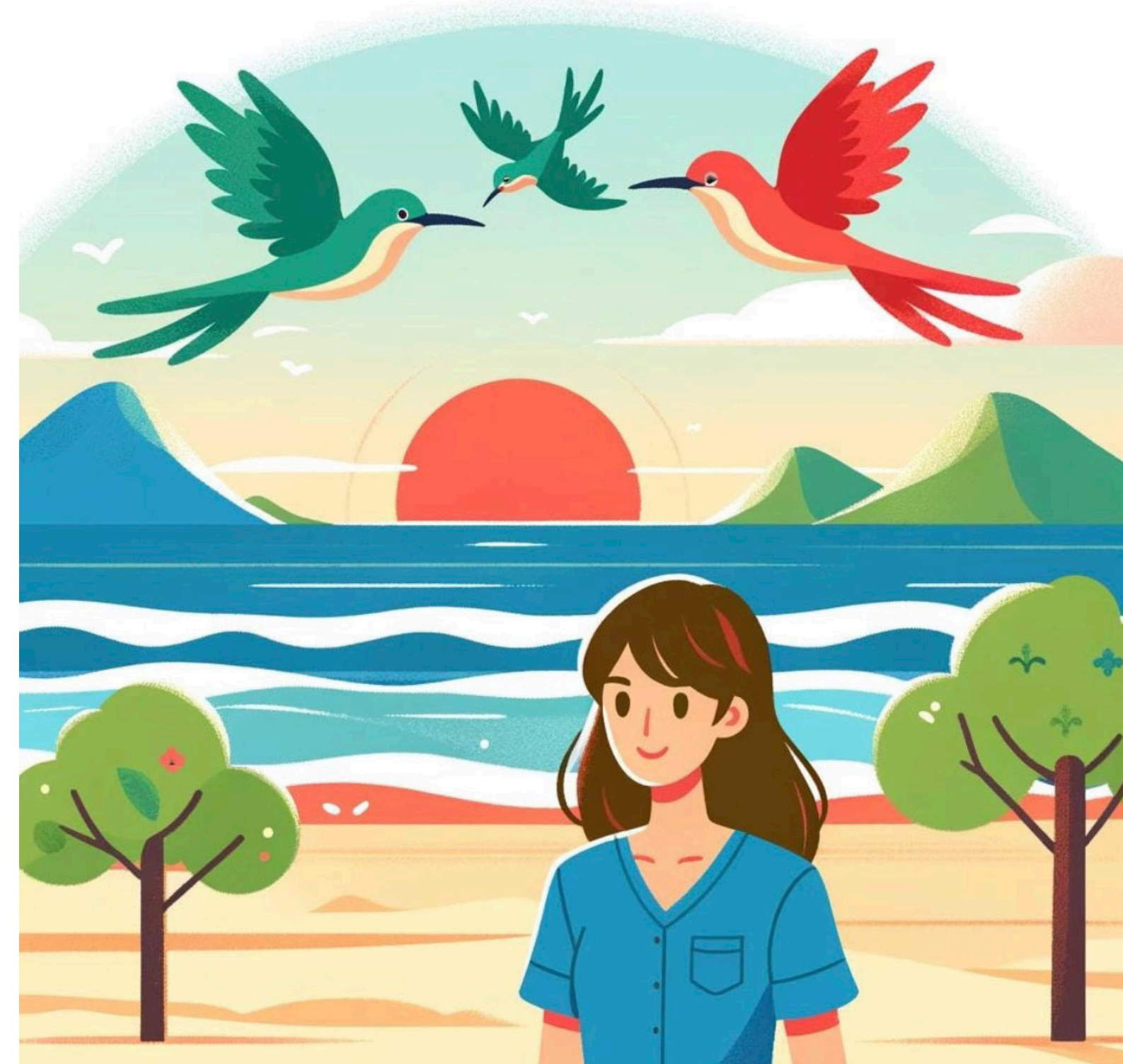
Maar dingen gaan (soms, nog) fout:

- de kleuter is nog niet zo goed in **tellen**,
- nog niet zo goed in lezen en **schrijven**,
- mist nog het fijne gebruik van **vingers**,
- snapt het concept van "**niet doen**" niet...




Tel je mee ?

Make a picture of a woman in a blue shirt, standing on a beach. There are 4 birds in the sky. 2 of them are green, 2 are red. The red birds are twice the size of the green birds. There are large waves, and mountains in background, and 6 green trees near the beach.



<https://ai.plainenglish.io/you-are-using-chatgpt-wrong-1-mistake-99-of-users-make-fe0263d52481>



 DALL-E 3
Created 4 images



7



4



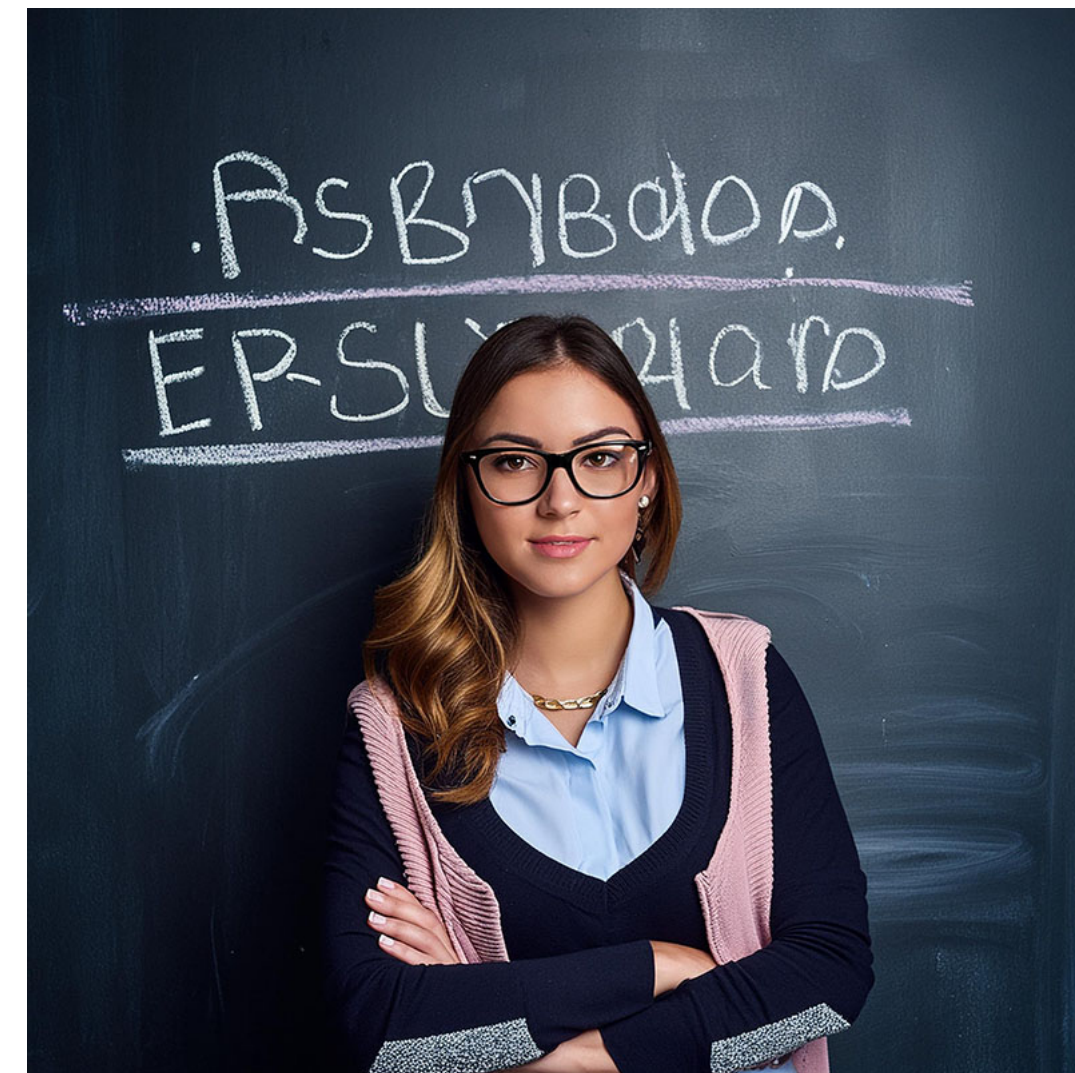
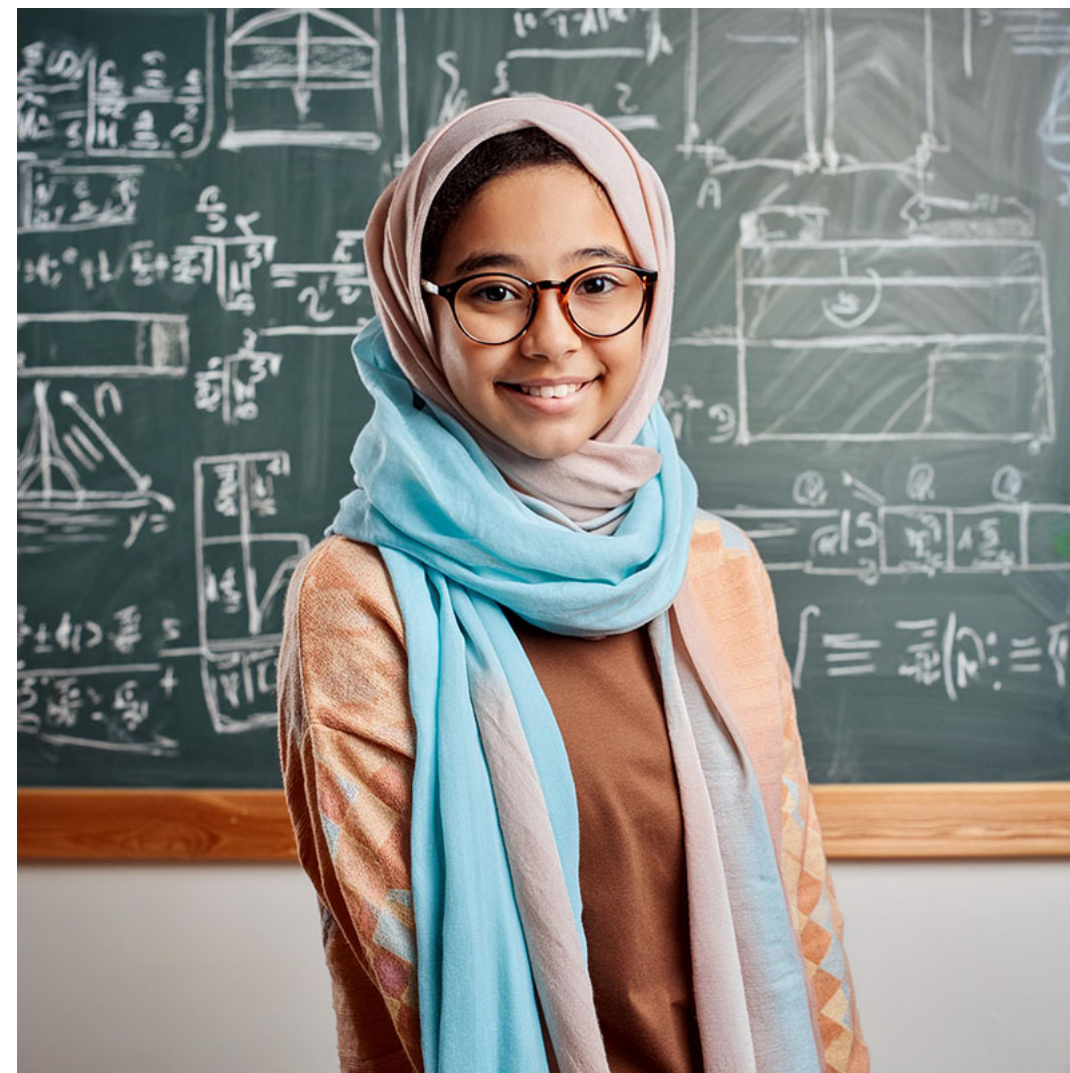
5

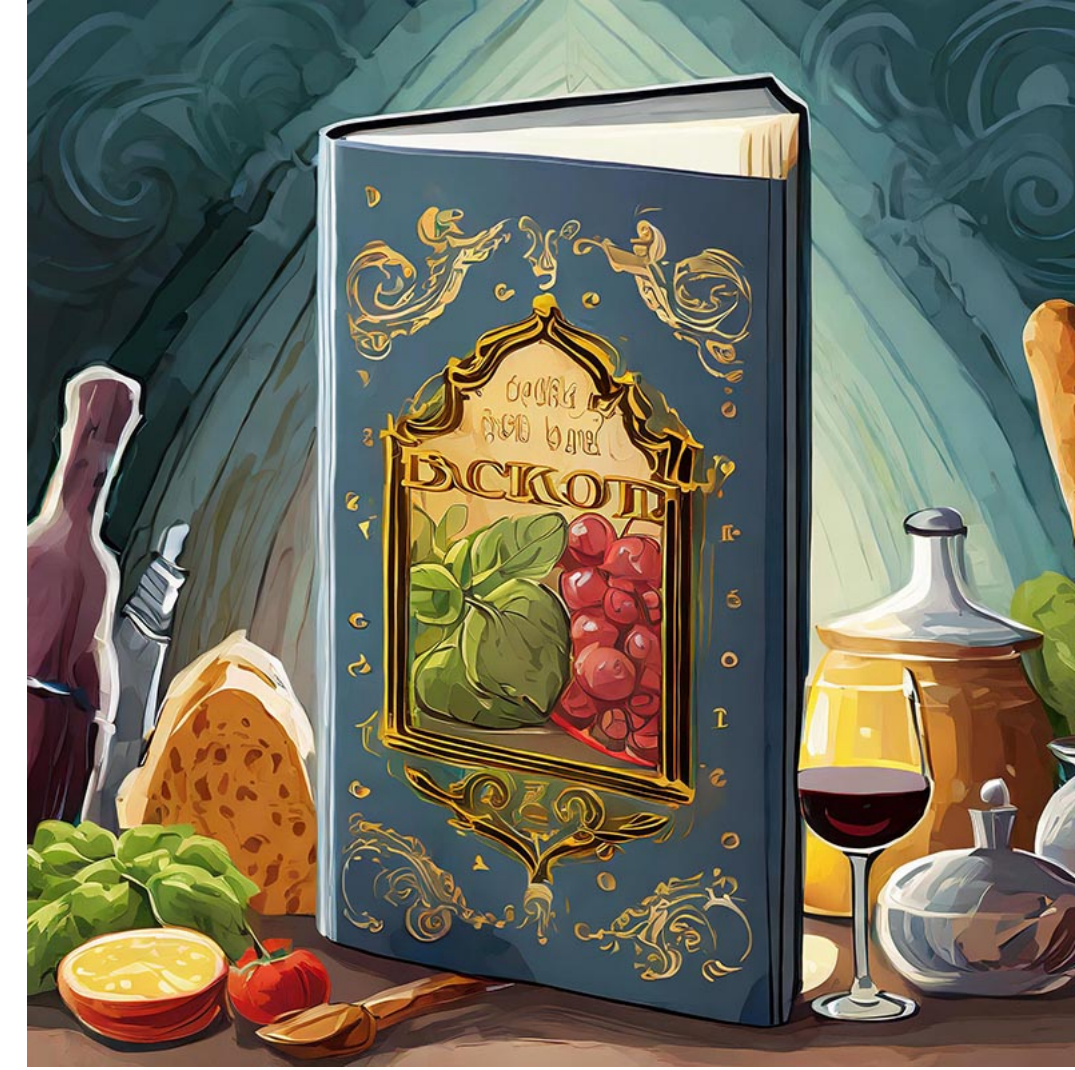


6

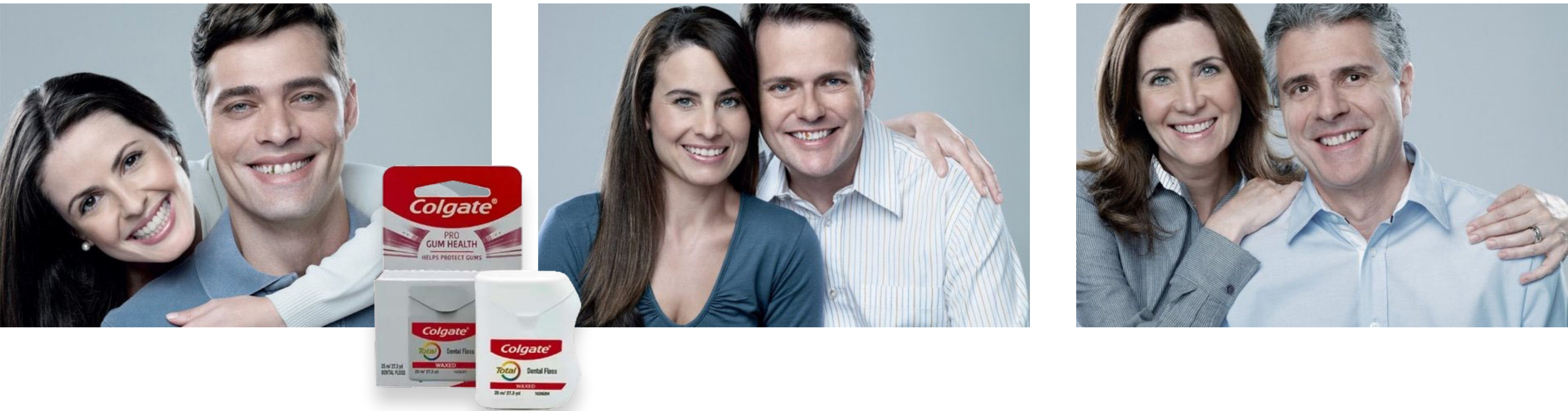


Here are the images rendered in a Pixar cartoon style, showcasing four executives in a boardroom setting, focused on a presentation with a growing line chart. Please let me know if they align with your vision or if there are any further adjustments you'd like!





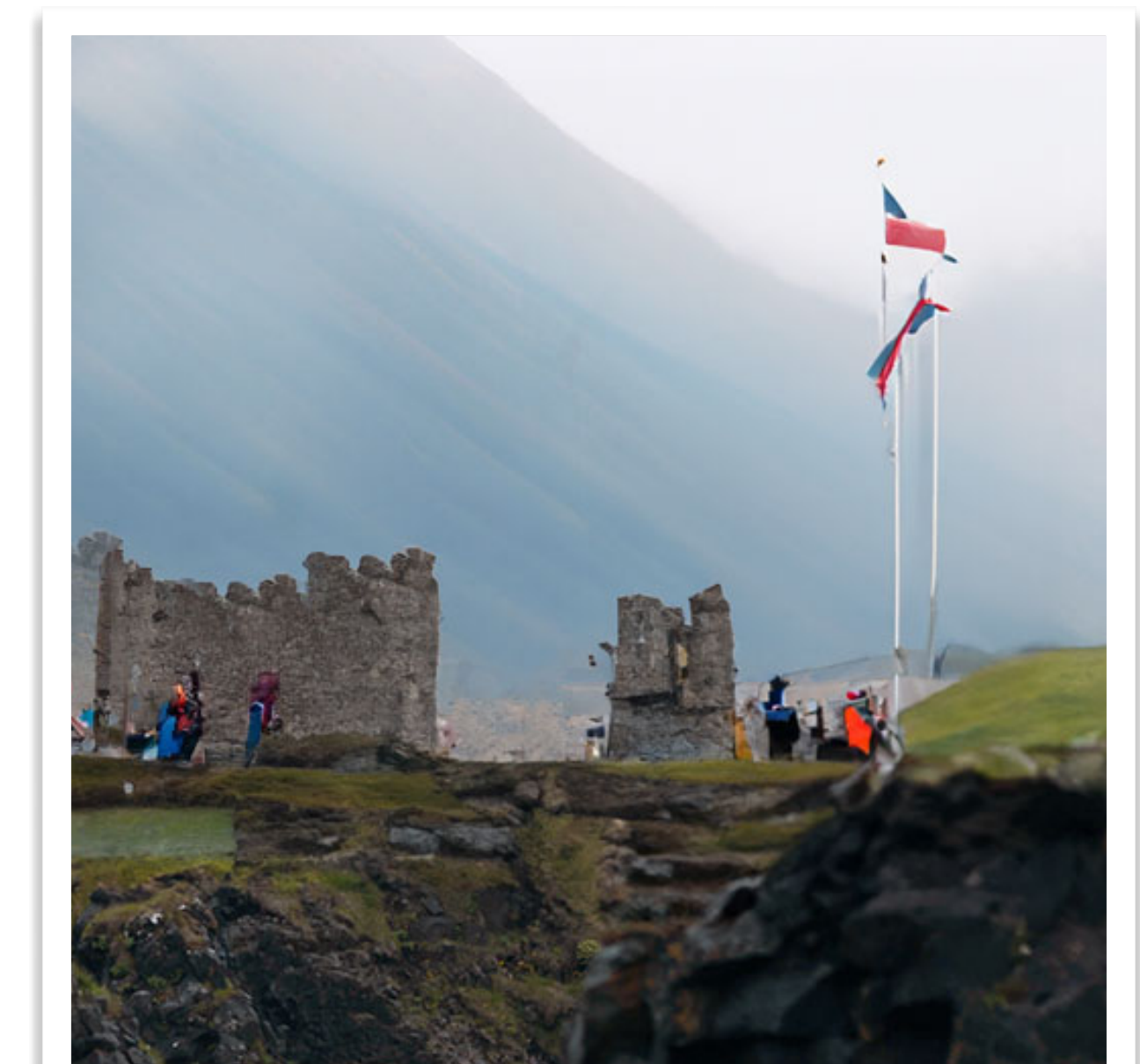
Valt het op ?



Als je haar maar goed zit...

Aannemelijke interpretaties

- Schaduwpartijen die objecten blijven eisen.
- Ongevraagde doch aannemelijke elementen.



Weigeringen en hallucinaties...

Jongetje met blote voeten op straat



Jongetje zonder schoenen op straat



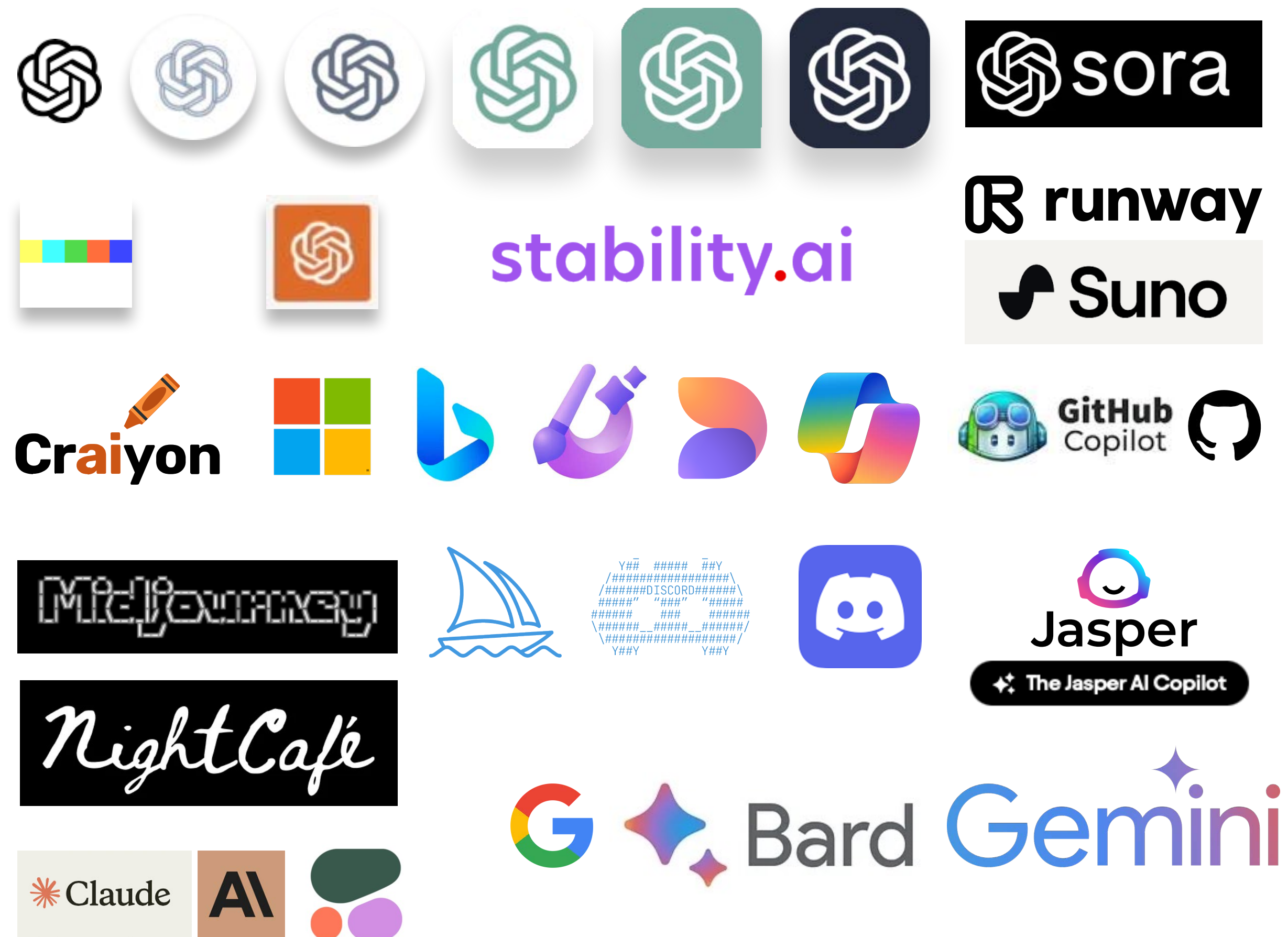
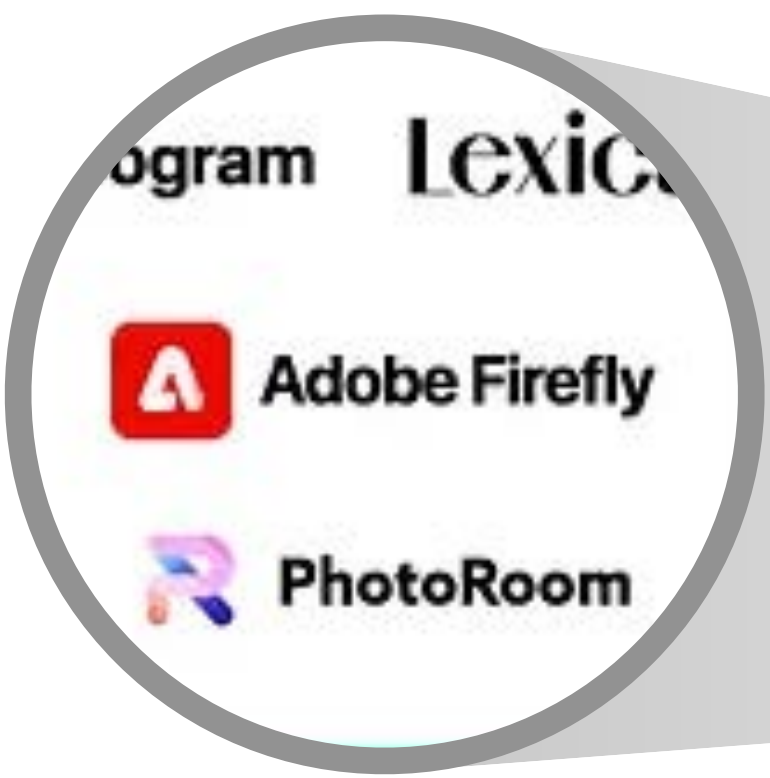
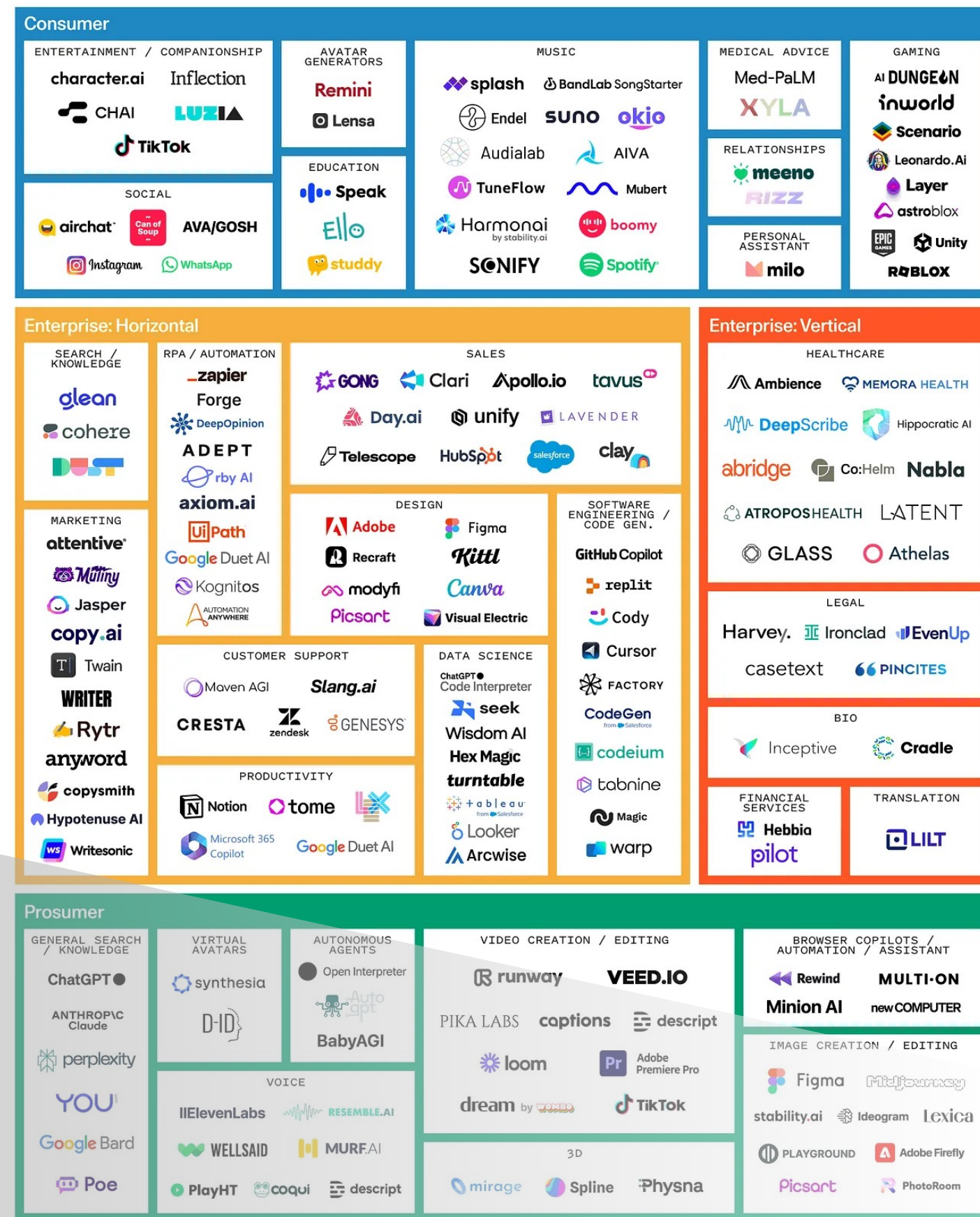
DHL-bestelbusje in de jungle



Man met blote voeten in supermarkt

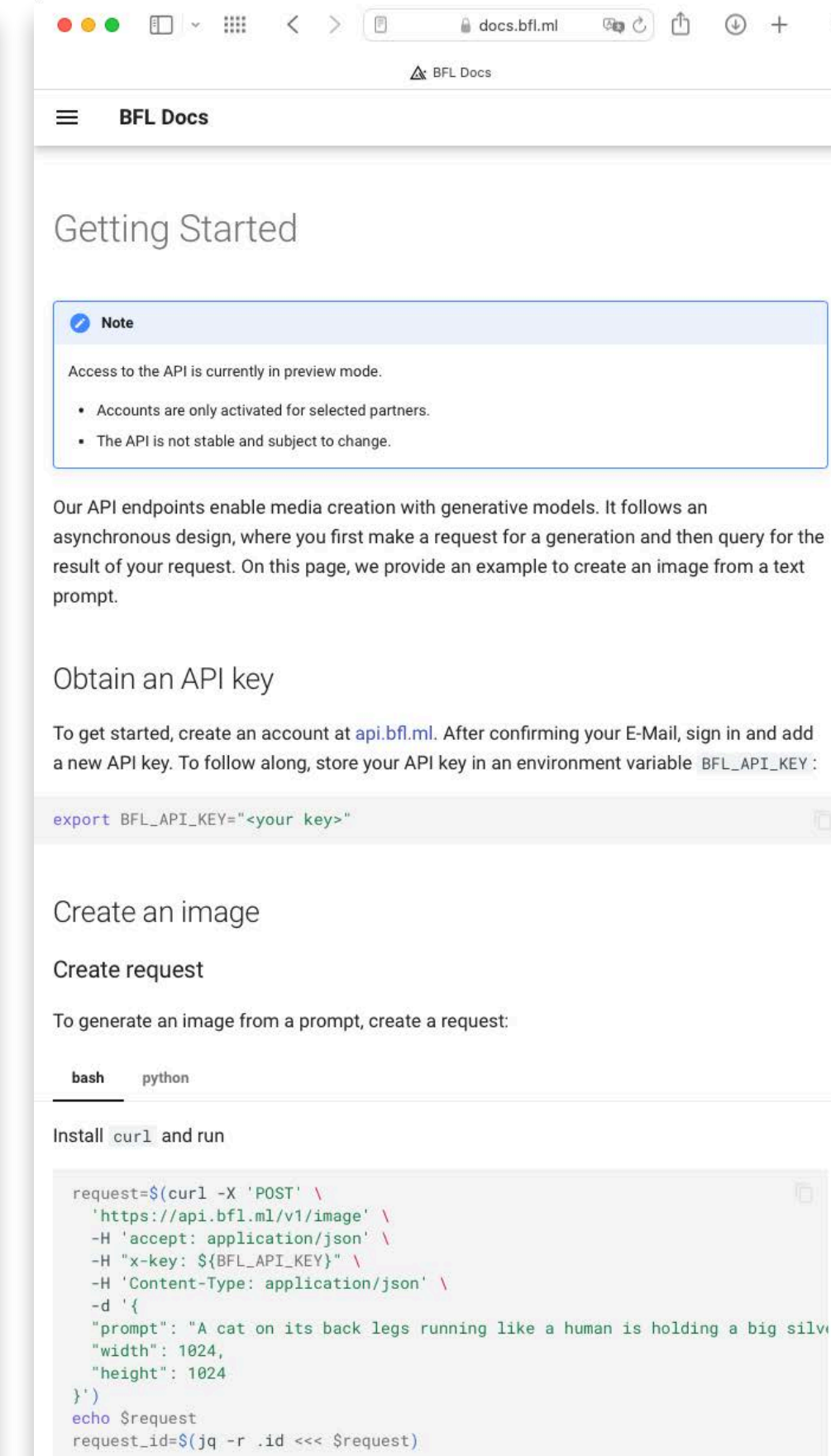
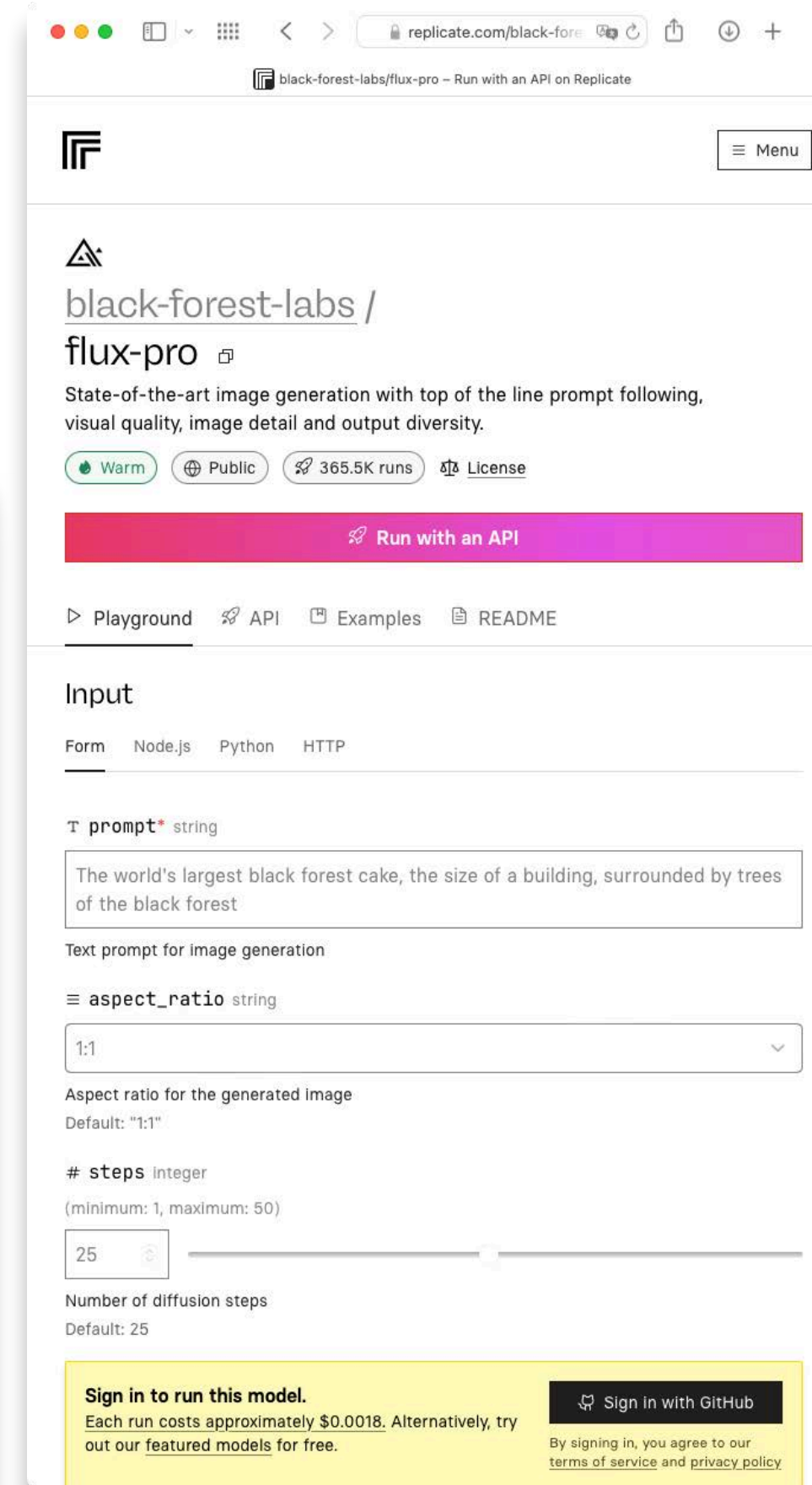


The Generative AI Market Map



<https://medium.com/@maximilian.vogel/>

FLUX, the new era of creation...





The Art of AI

Een praktische introductie in machine learning voor mediamakers

Laurens Vreekamp

The Art of AI biedt een toegankelijke introductie in machine learning voor mediamakers. Zonder programmeerkennis leer je AI toe te passen in creatieve projecten.

Het boek bevat uitleg over meer dan zeventig applicaties en biedt waardevolle inzichten door interviews met AI-pioniers.

70 applicaties

Face of a tired woman, cringing with disappointment, in cartoon style, black and red

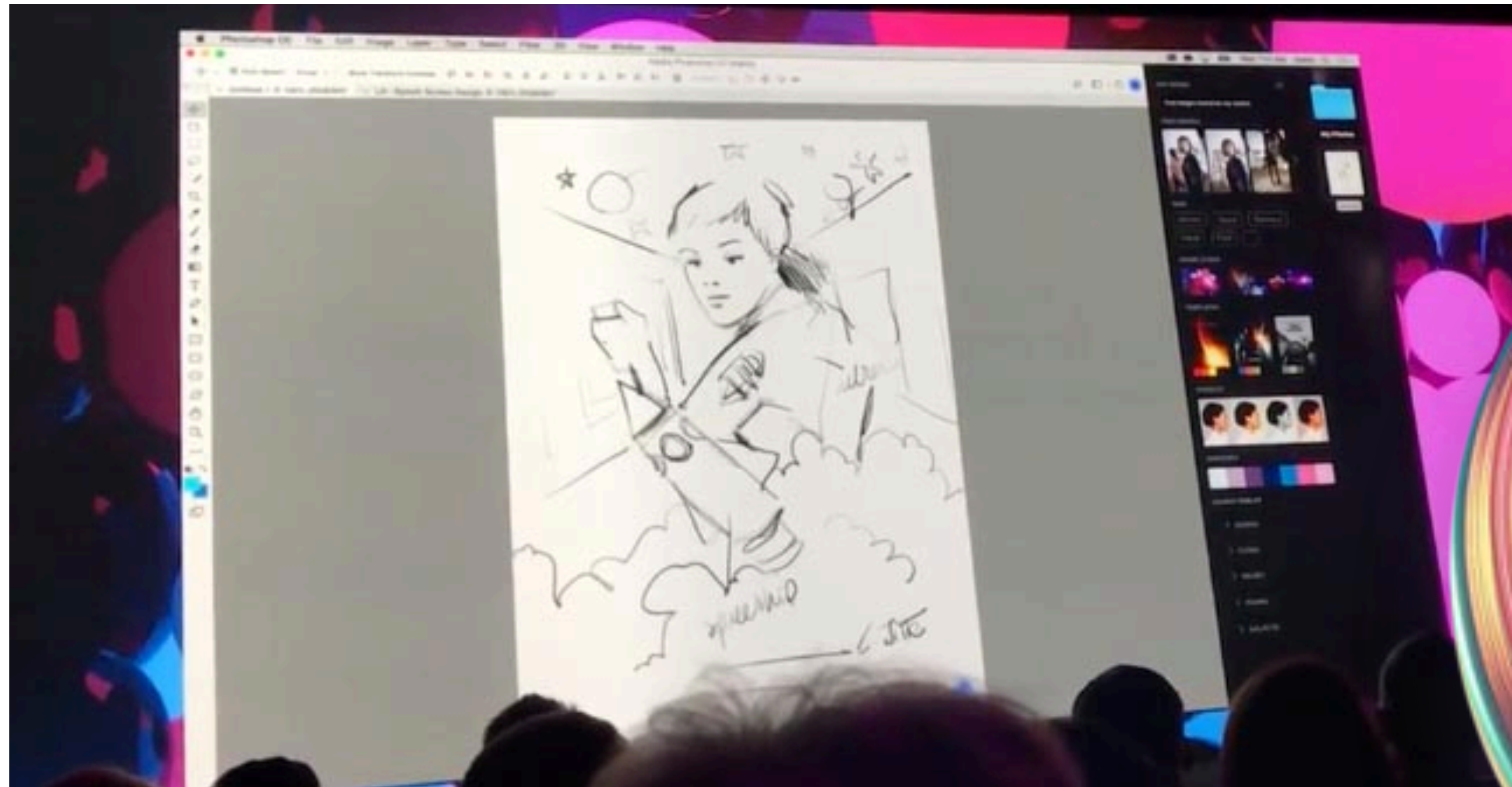


Even terug in de tijd...



Adobe MAX 2013

- *The Future of Sensei Neural Networks*



Find Similar Photos

Photo Restoration

Photo Recoloring

Content Aware Fill

Object Selection

Hair Selection

Face Recognition

Skin Smoothing

Smart Portrait

Match Make-up

Style Matching

Landscape Effects

Sky Replacement

Field Depth Blur

Motion Tracking

Fast Video Masking

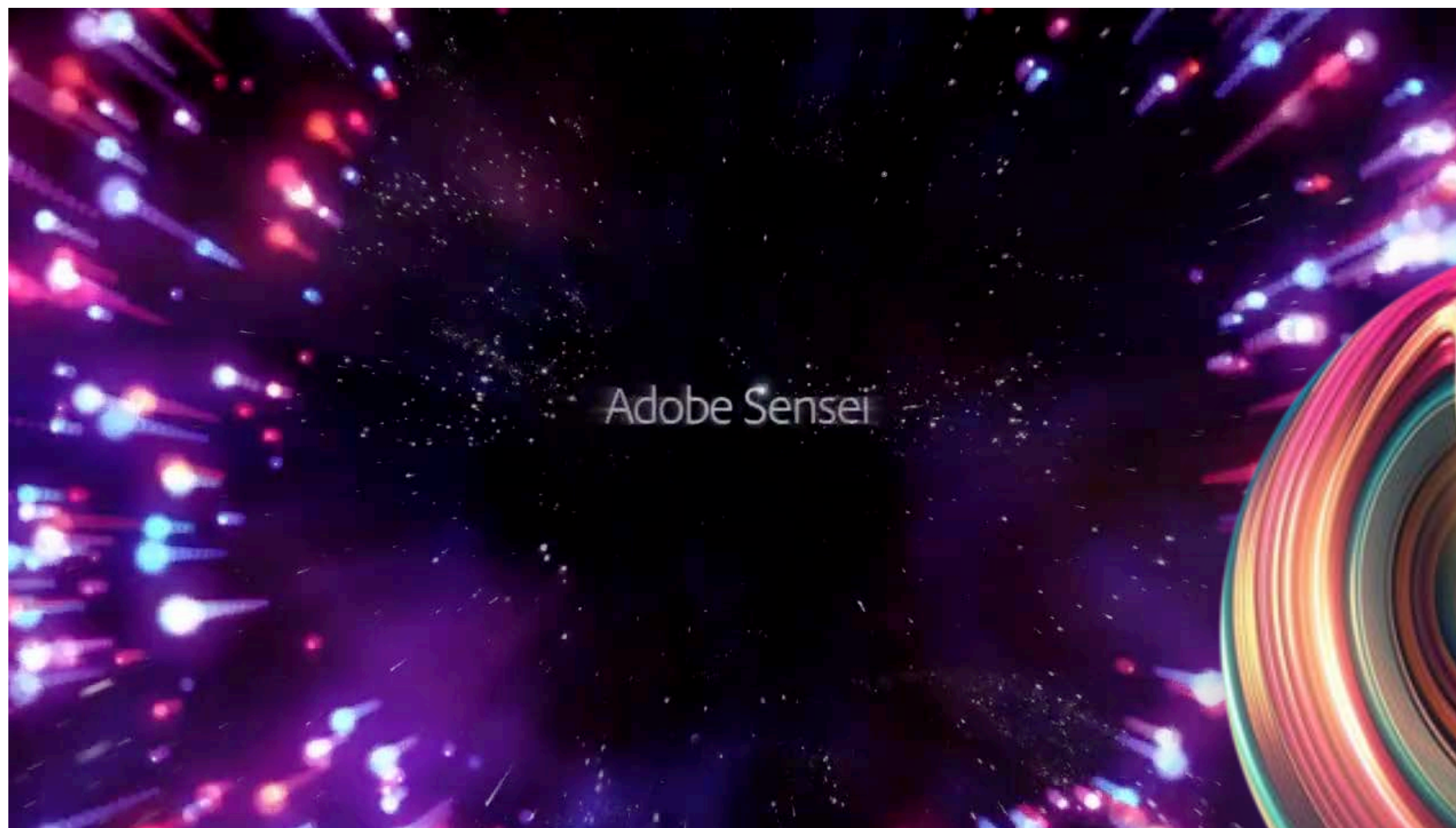
Character Animation

Video Reframing

Surface Detection

Fluid Page Content

Adobe MAX 2020



Adobe MAX 2023

- Van domme tools naar slimme *AI*-assistent.
- ***Generative AI*** is een nieuwe *Sensei*-feature.
- Met een eigen ikoon en naam: ***Firefly***



Meet Adobe Firefly.

Experiment, imagine, and make an infinite range of creations with Firefly, a family of creative generative AI models coming to Adobe products.



David Wadhvani, onderbaas...





Adobe Firefly





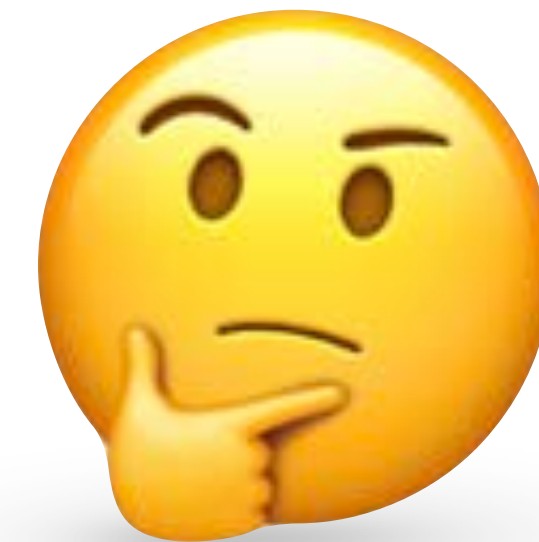
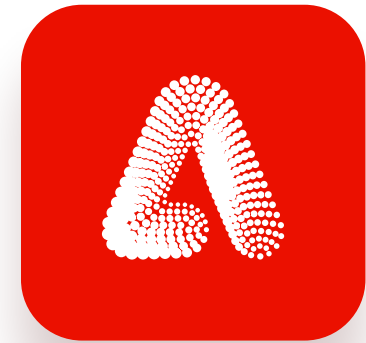
Adobe Firefly

1. Deeply integrated into our tools
2. Designed to be commercially safe
3. Transparent with training data
4. Support for Content Credentials

Samengevat en vertaald

Firefly is gebaseerd op 4 uitgangspunten:

- goed geïntegreerd in oude en nieuwe tools;
- openheid over alle gebruikte trainingsdata;
- ook geschikt voor commerciële doeleinden;
- ondersteuning voor zgn. *content credentials*.

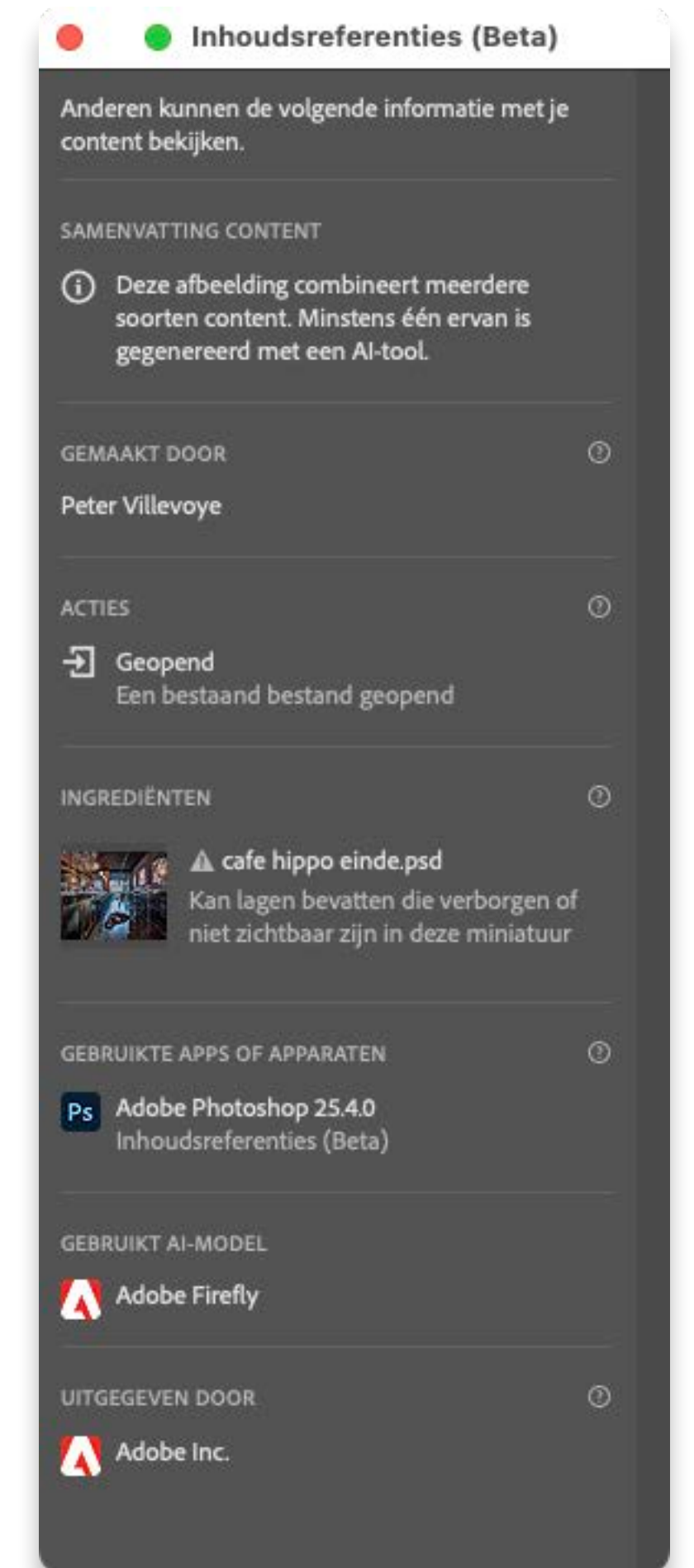


Samengevat en vertaald

Adobe's aanpak om juridisch 'safe' te zitten, zal een groot voordeel en voorbeeld blijken. Professionele creatieven en uitgevers willen geen dreigende advocaten voor hun deur...

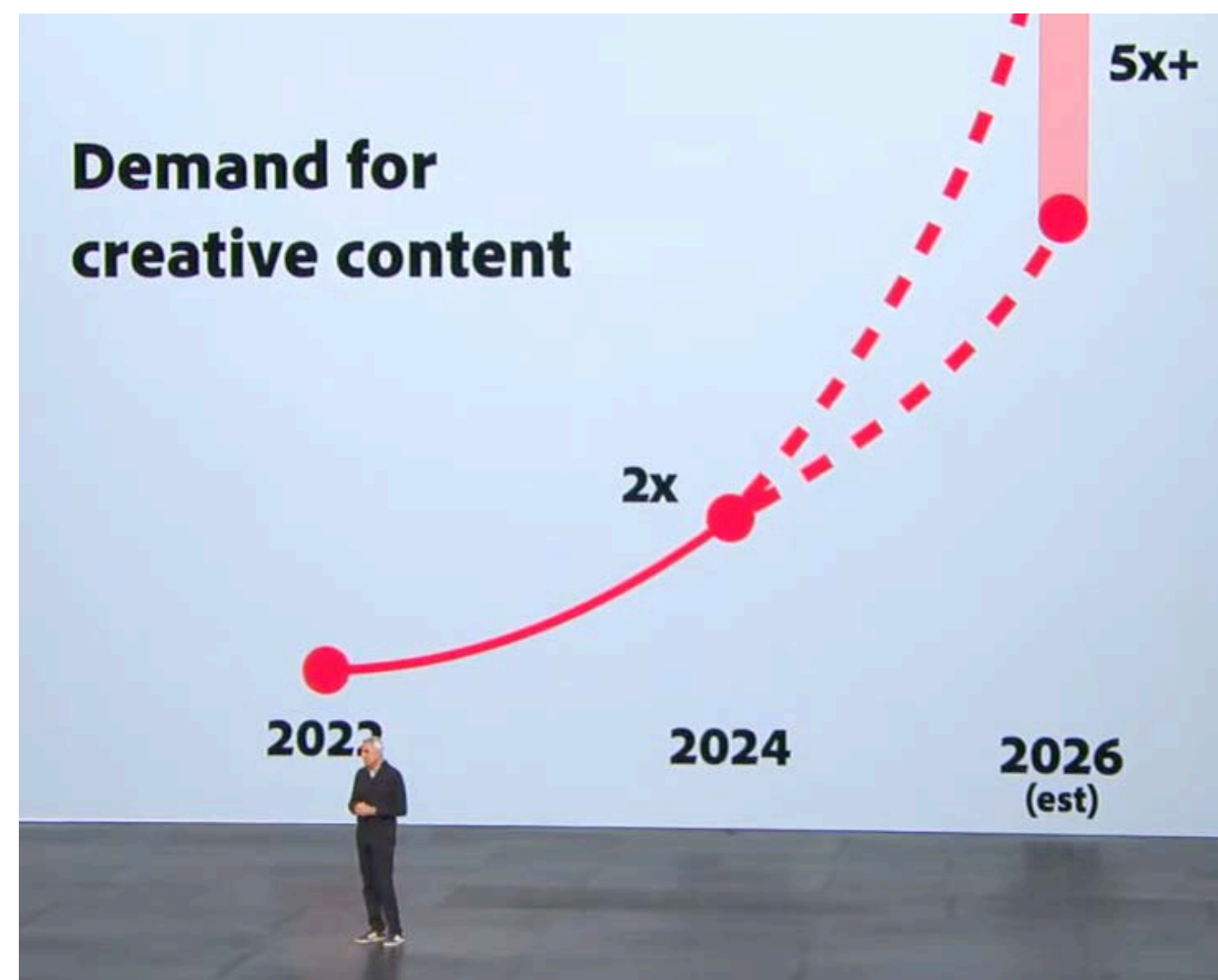
an angry lawyer with a huge letter in his hand, standing in front of a door, in dark cartoon style

Transparantie over authenticiteit van beeld. Meta-data geeft aan wat AI-gegenereerd is, door wie en door welk Generative AI-model.



Samengevat en vertaald

Er is een steeds sterker toenemende vraag naar content (teksten, beelden, video. etc.)
Men verwacht een verdubbeling per jaar !





Adobe Firefly



Adobe Creative Cloud



Adobe Express

We hebben die AI
gewoon hard nodig!

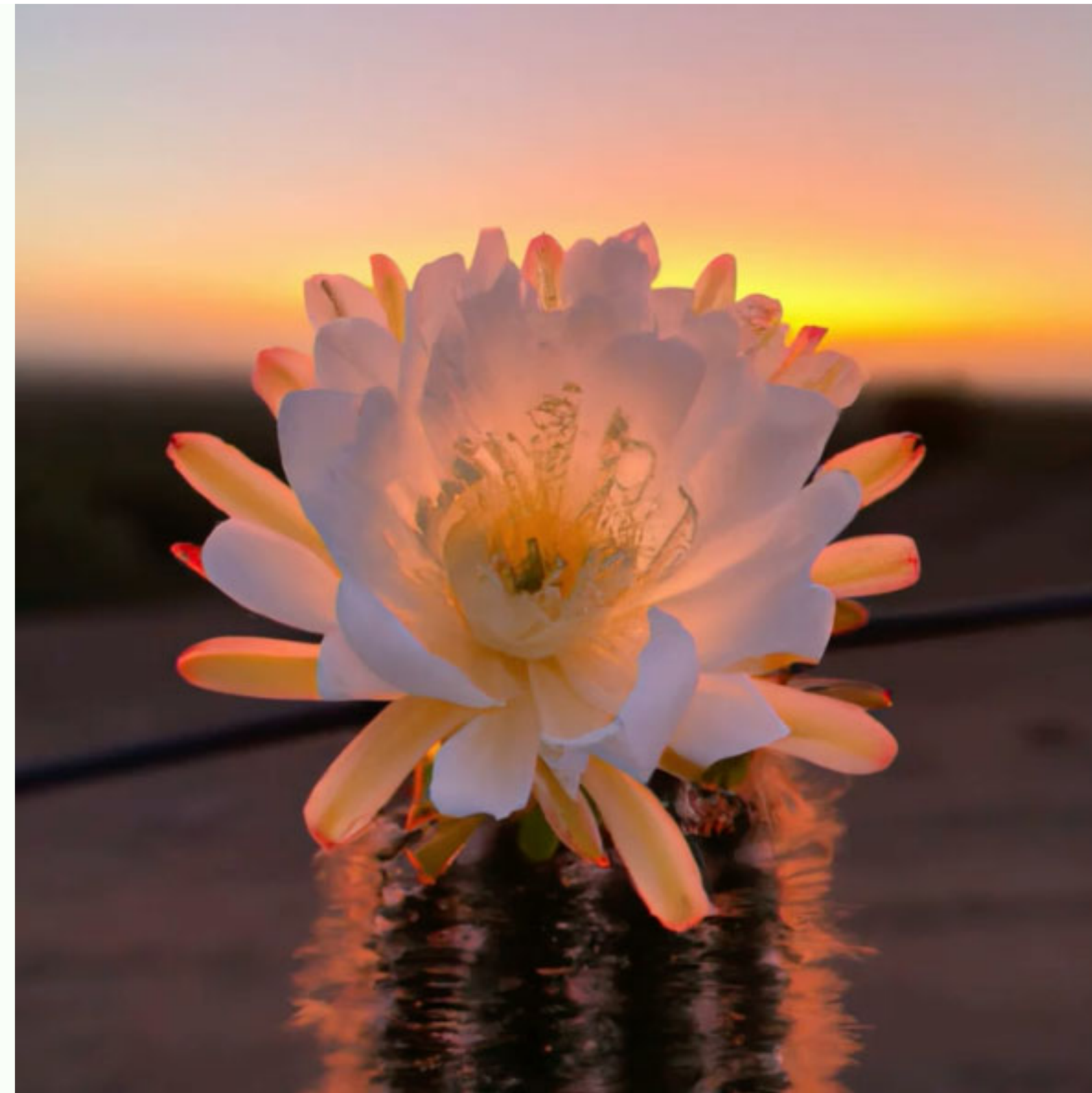
Le Fragrance de...

PROENZA SCHOUER ARIZONA

"A unique mineral signature and, at its core, a creamy iris accord and a white cactus flower accord, found in the desert of Arizona at dusk."



L'ORÉAL
PARIS



Reactie op uitvinding fotografie:

"Painting is dead"

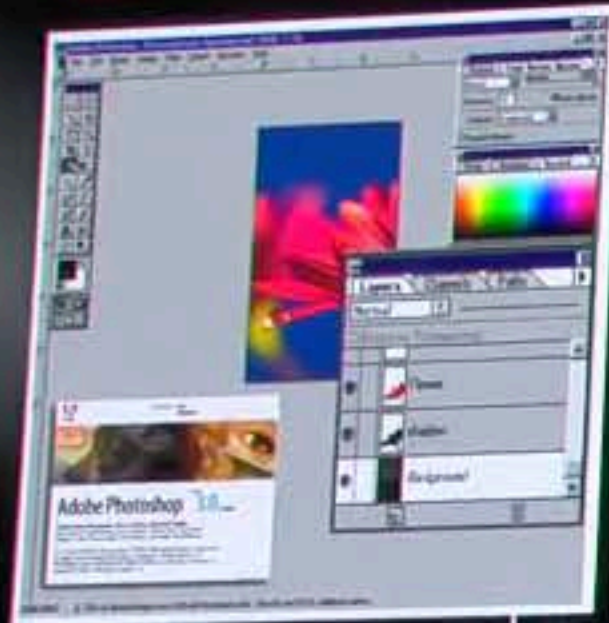
-Paul Delaroche

No it isn't. Not at all.

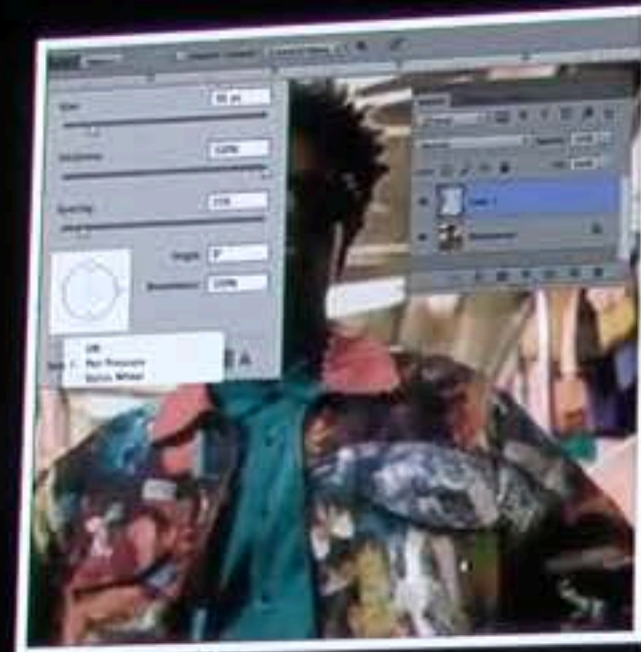


En DTP bleek ook een zegen.

Layers



Healing brush



Content-aware fill



Generative fill



1988

1990

1991

1994

1996

2000

2002

2003

2005

2007

2008

2010

2012

2013

2015

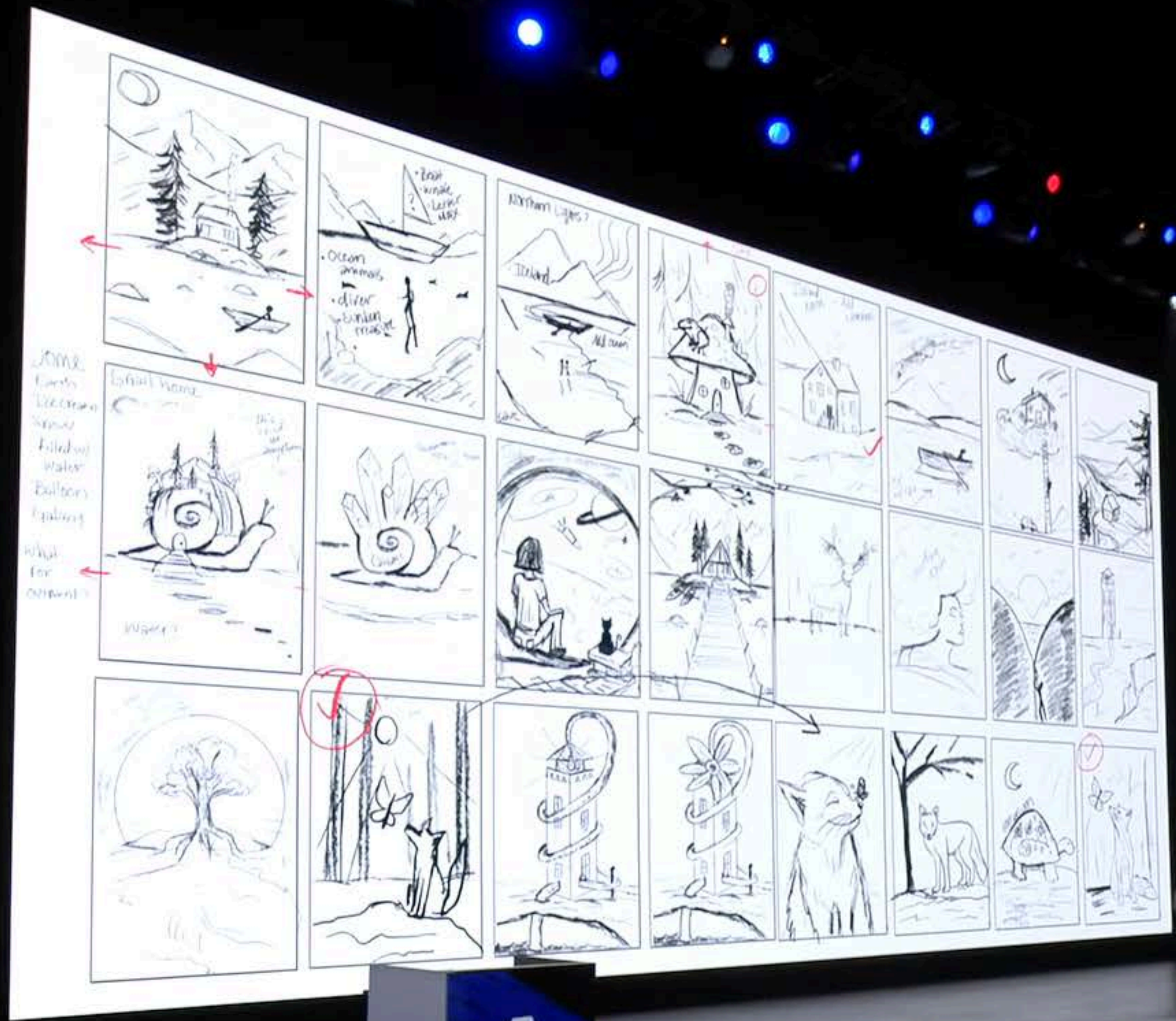
2019

2020

2023

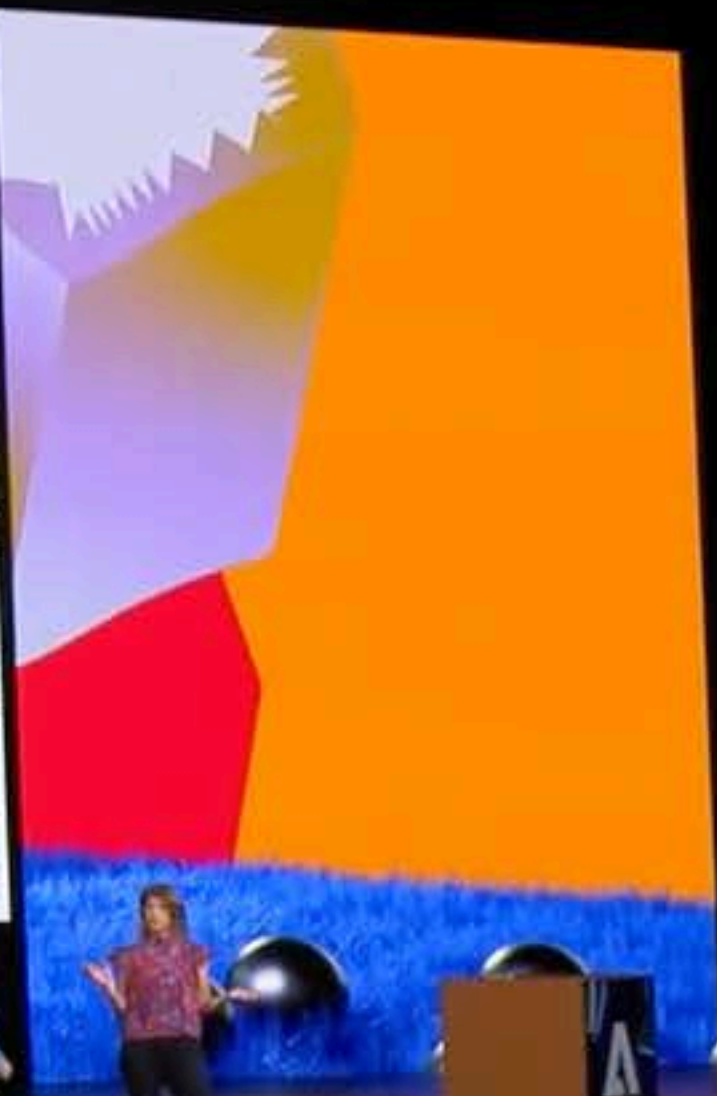


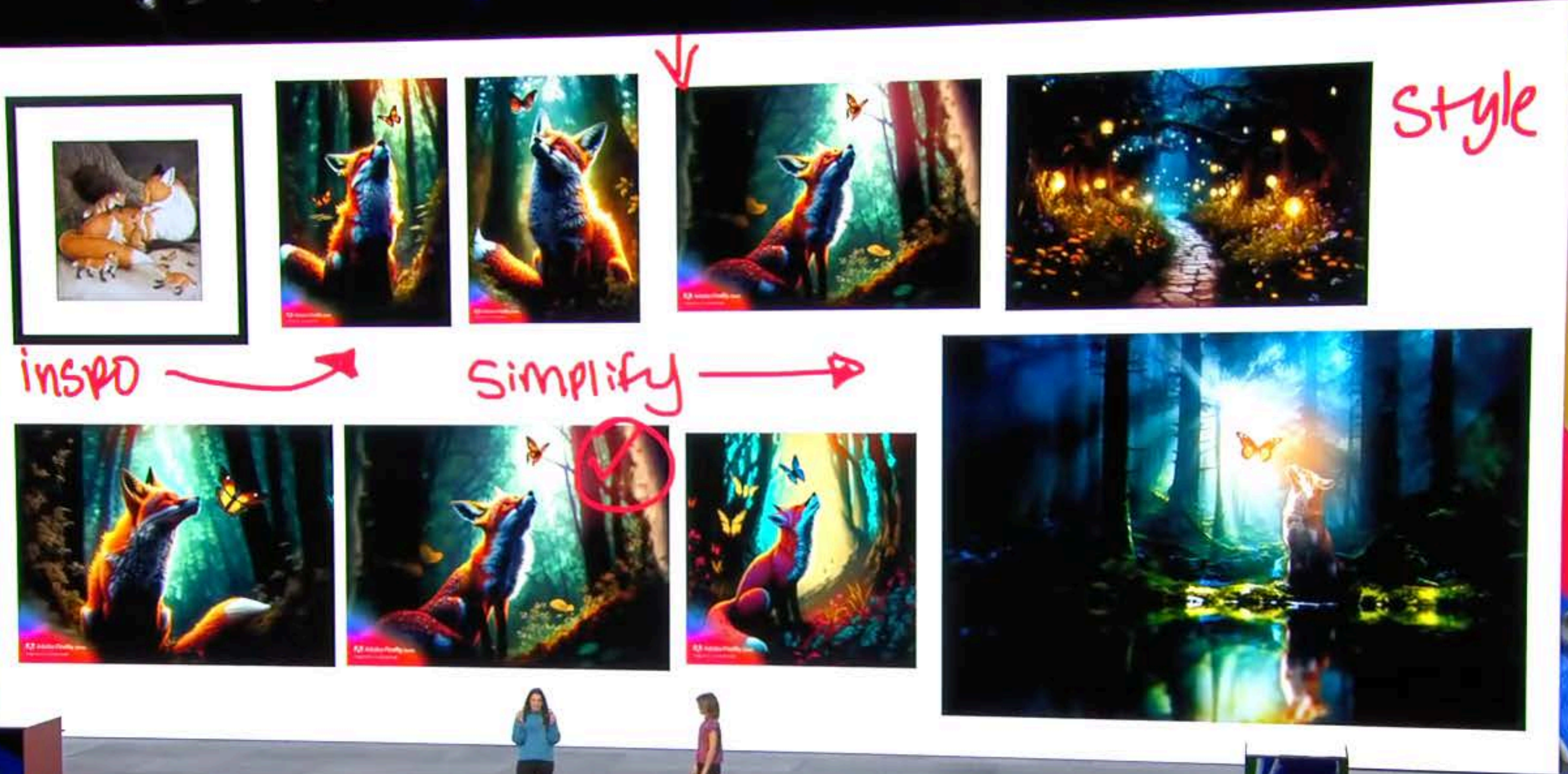
Photoshop blijft innoveren.

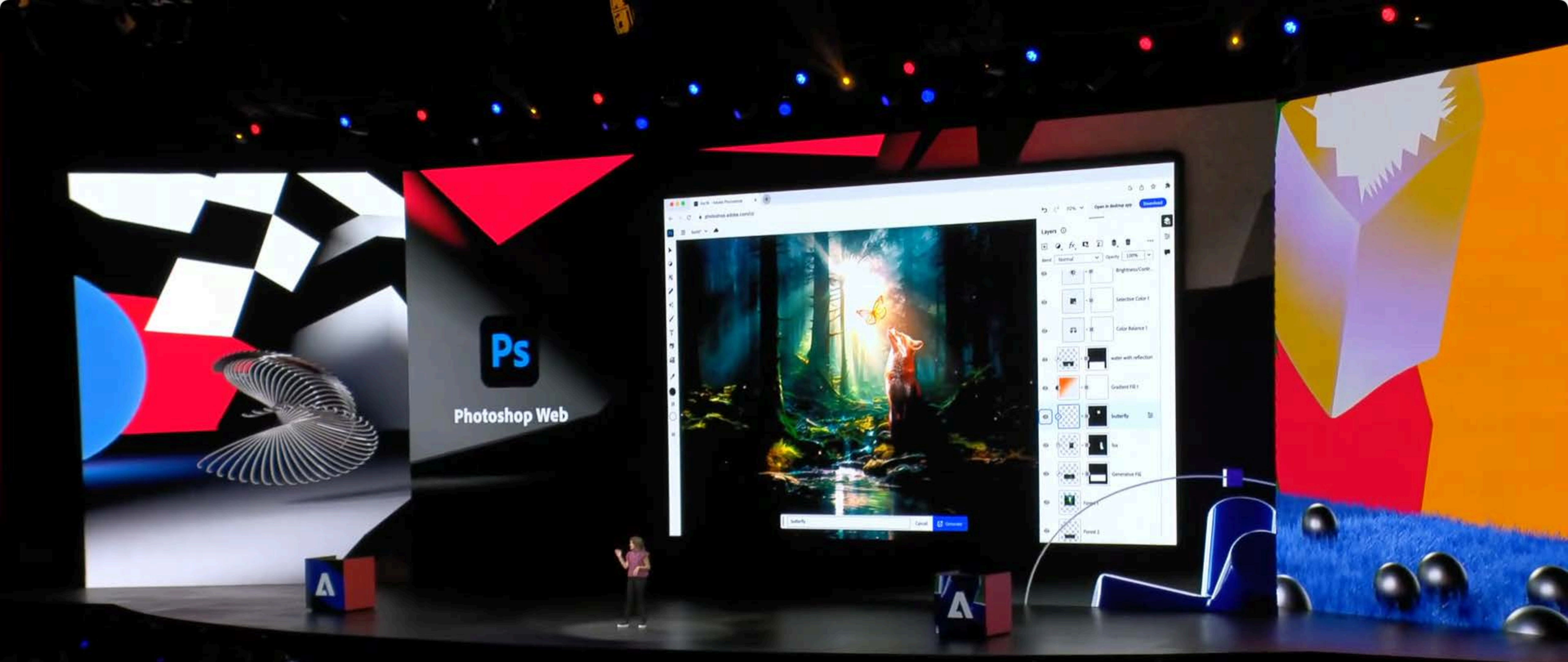


JOYCE
Earth
Electric
Snow
Faded
water
Bulbous
Eggs
light
for
output









Er blijft een idee en fine-tuning nodig.

Aan de slag !

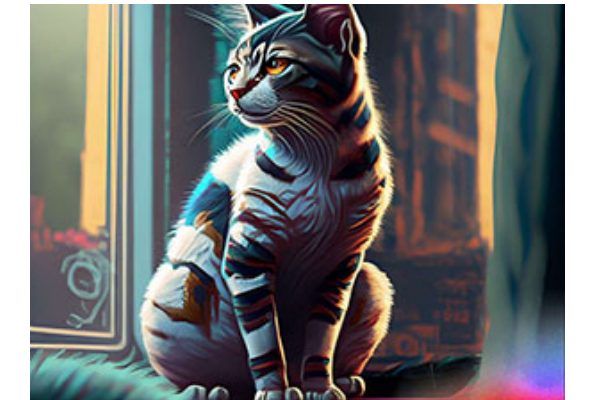
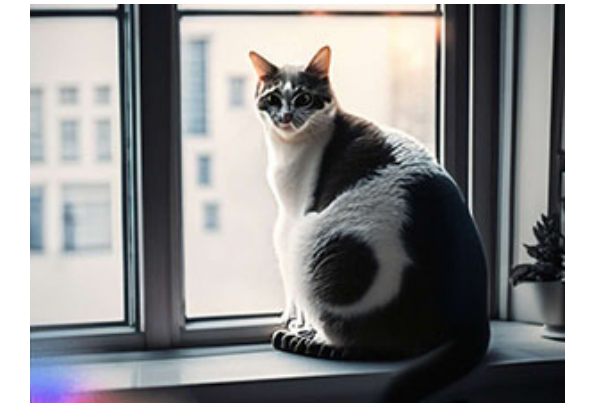
Samenvatting, cruciale tips

- Niks intikken als je iets wilt weghalen !
Dus eigenlijk niks nieuws wilt genereren,
je krijgt wat aannemelijk is a.h.v. context.
- Houd rekening met ruimte voor generatie,
inclusief overlap en eventuele schaduwen.
- Genereer lagen van achteren naar voren,
anders verschijnen er rare overlappingsen.
Je genereert geen object maar een 'lapje'.

Prompting-tips ?

Adobe geeft als leidraad:

- Be specific
- Be descriptive
- Be empathetic
- Be original



Maar maak er geen sport of wetenschap van...

<https://helpx.adobe.com/firefly/using/tips-and-tricks.html>

<https://www.adobe.com/firefly/discover/ai-art-prompts.html>

<https://www.adobe.com/firefly/discover/art-styles-for-ai.html>

Wees gerust...

To replace graphic designers with AI, clients will need to accurately describe what they want.

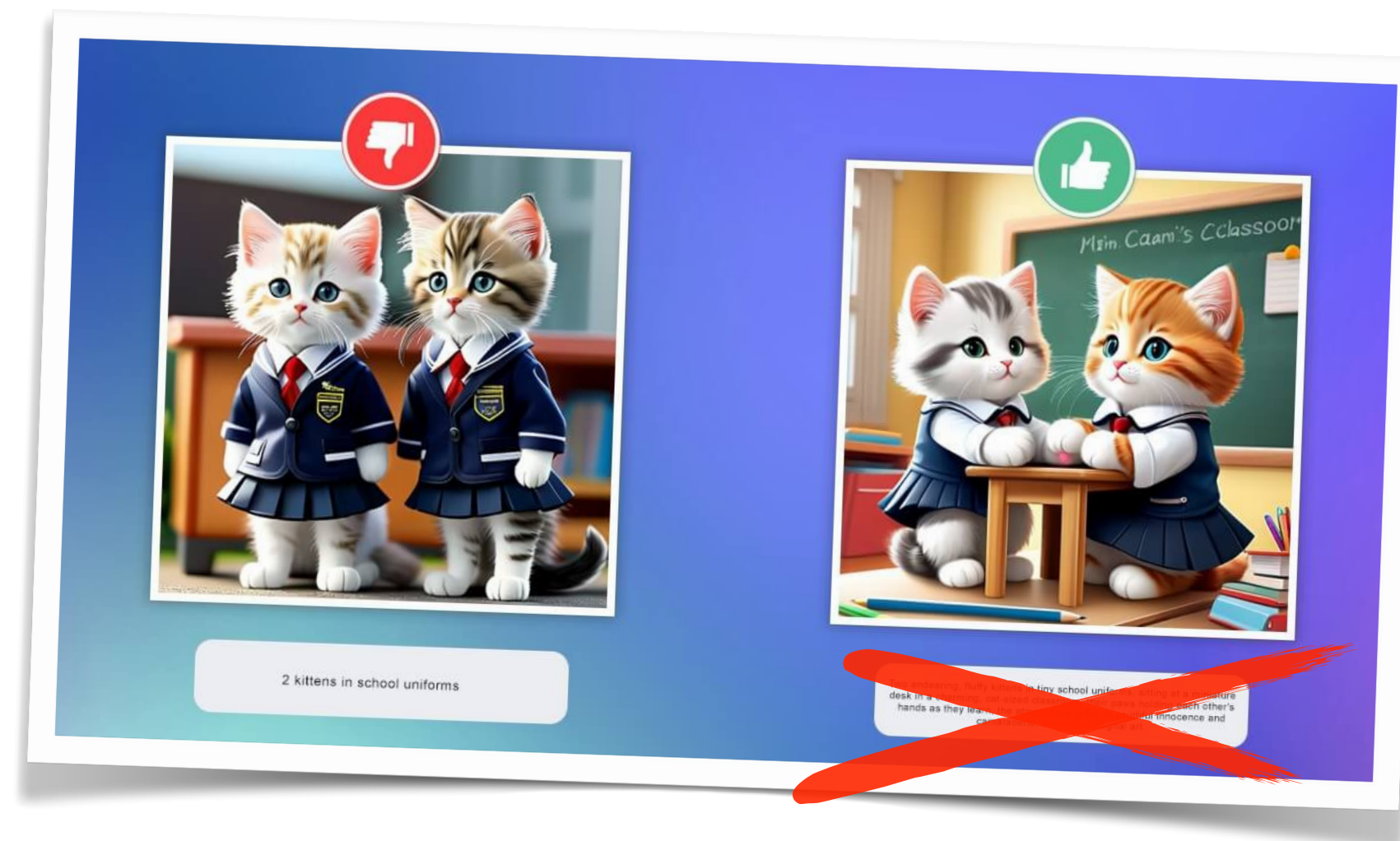
We're safe.



Tools en prompts zijn moeilijk...

- Het is een jungle aan tools en technieken.
- Kost veel tijd, aandacht en vaak zelfs geld.
- Niet iedereen kent alle precieze AI-termen.
- Je zal maar niet goed zijn in taal en typen.

*1 Plaatje zegt meer
dan 1000 woorden...*



A rose is a rose...

by any other name



nicolesy SHOP BOOKS & TUTORIALS PRESETS TEXTURES Search... LOG IN

50 Art Style Prompts for Photoshop Generative AI Fill

- 3d render
- abstract painting
- acrylic painting
- cartoon illustration
- chalk drawing
- chaotic painting
- charcoal drawing
- childrens book
- coffee stain art
- colored pencil
- coloring page
- comic book
- concrete texture
- cracked paint
- digital illustration
- doodle drawing
- dripping painting
- encaustic painting
- felt painting
- fine art painting
- fractal art
- geomteric painting
- glitch art
- glitter art
- goauche
- graffiti art
- graphite drawing
- impressionism
- ink drawing
- mosaic
- oil painting
- pencil sketch
- psychedelic painting
- scribble art drawing
- seamless pattern
- smoky
- smudge painting
- splash art
- splattering painting
- stained glass art
- swirl painting
- textile art
- textured painting
- underwater
- vector illustration
- vintage ephemera
- water drops
- watercolor
- woodcut art
- yarn art

<https://nicolesy.com/2023/09/25/50-art-style-prompts-photoshop-generative-ai-fill/>





dynamic high energy dragon

Firefly Image Model



a cute kawaii tiger

Firefly Vector Model



a dance party post

Firefly Design Model

Maar er is méér in aantocht..



dynamic high energy dragon

**Firefly Image 2
Model**



a cute kawaii tiger

**Firefly Vector
Model**



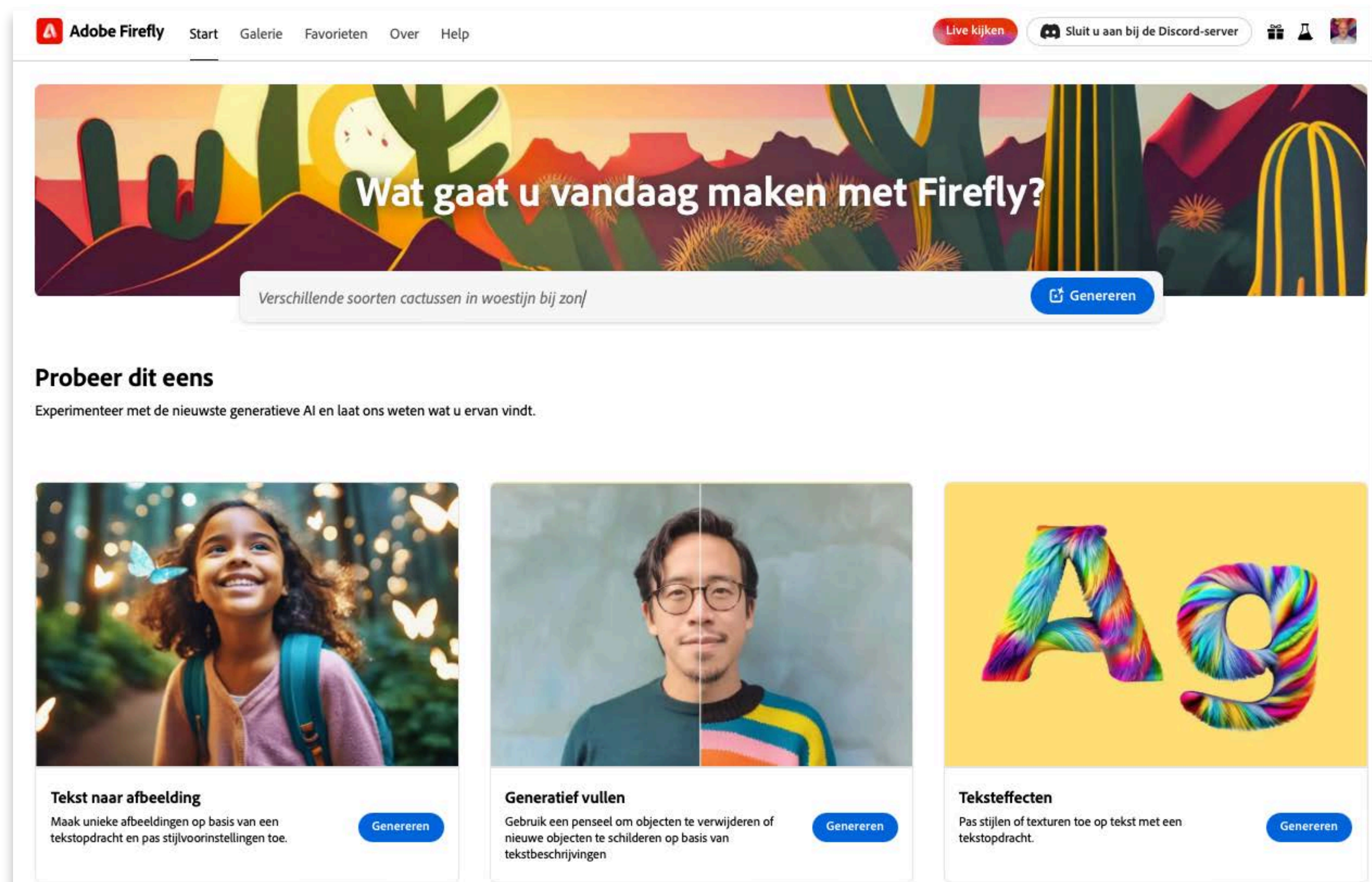
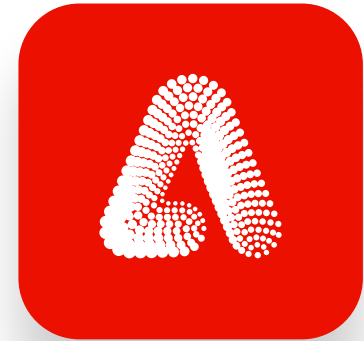
a dance party post

**Firefly Design
Model**

2

*Betere beelden
Meer resolutie
Stijl-referentie*

Firefly web-app (website)



The screenshot shows the Adobe Firefly web application interface. At the top, there is a navigation bar with the Adobe Firefly logo, menu items (Start, Galerie, Favorieten, Over, Help), and utility buttons (Live kijken, Sluit u aan bij de Discord-server). The main content area features a large banner with a desert landscape illustration and the text "Wat gaat u vandaag maken met Firefly?". Below the banner is a prompt "Verschillende soorten cactussen in woestijn bij zon/" and a "Genereren" button. Underneath, there is a section titled "Probeer dit eens" with the subtitle "Experimenteer met de nieuwste generatieve AI en laat ons weten wat u ervan vindt." This section contains three interactive cards: 1. "Tekst naar afbeelding" with a description "Maak unieke afbeeldingen op basis van een tekstopdracht en pas stijlvoorinstellingen toe." and a "Genereren" button. 2. "Generatief vullen" with a description "Gebruik een penseel om objecten te verwijderen of nieuwe objecten te schilderen op basis van tekstbeschrijvingen" and a "Genereren" button. 3. "Teksteffecten" with a description "Pas stijlen of texturen toe op tekst met een tekstopdracht." and a "Genereren" button.

Text to image



Prompt
panda in a cowboy outfit on the right side in a desert with cacti, hyperrealistic

Clear style Photo x

Suggestions Refresh



Color and tone: None
Lighting: None
Composition: None

Photo settings: Auto
Aperture: f/22
Shutter speed: 1/2000s

Field of view: 14mm
Wide Zoom

Advanced settings: Exclude from image

Text to image



Style reference



Prompt

panda in a cowboy outfit on the right side in a desert with cacti, hyperrealistic

Clear style

Photo x

Suggestions

Refresh

Model version

Firefly Image 2 (beta) NEW

Aspect ratio

Widescreen (16:9)

Content type

Photo (checked) Art

Visual intensity

Slider control for visual intensity

Style

Strength

Slider control for style strength

Match

Reference image gallery



Upload your image

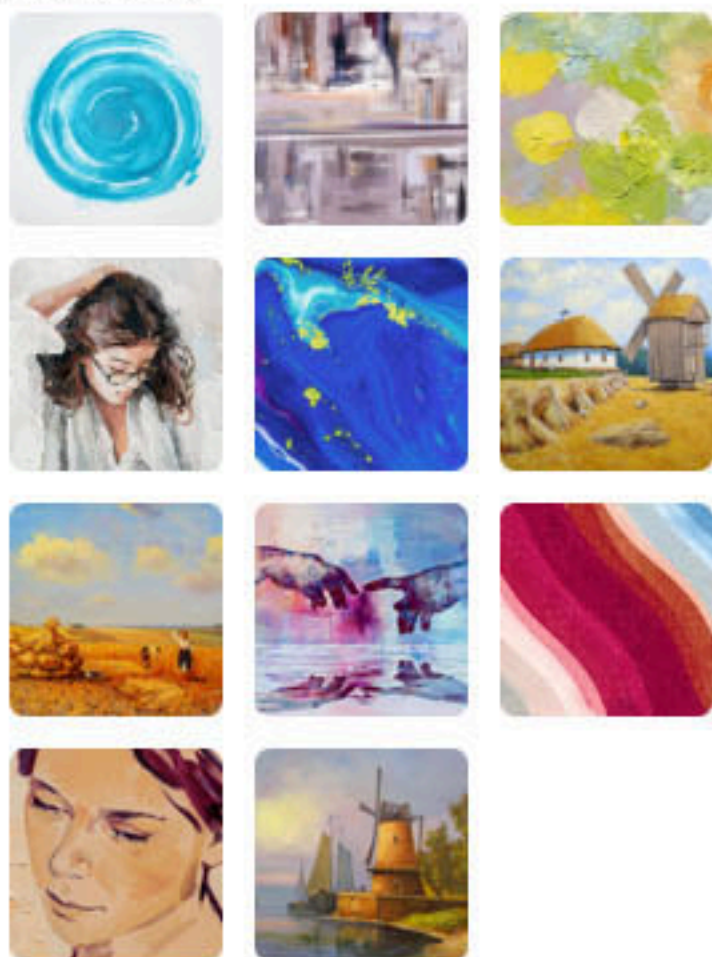
Match the style from your own reference image

Effects

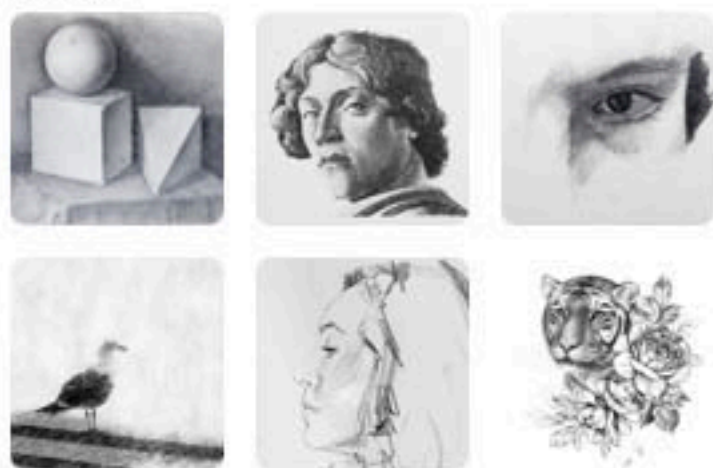
All Popular Movements Themes

Stijlen

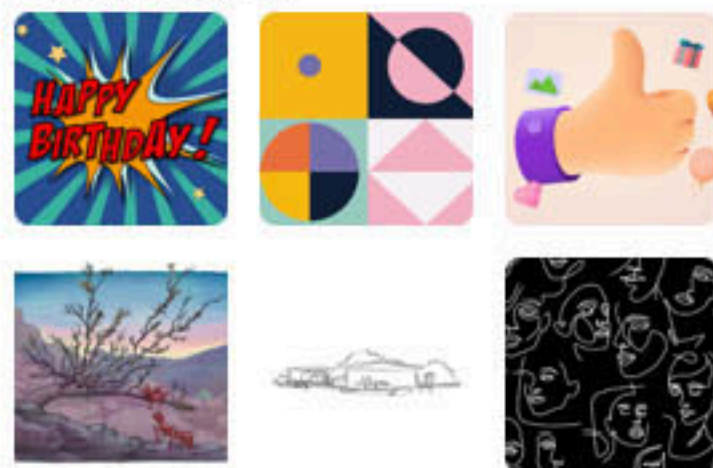
Acryl en olie



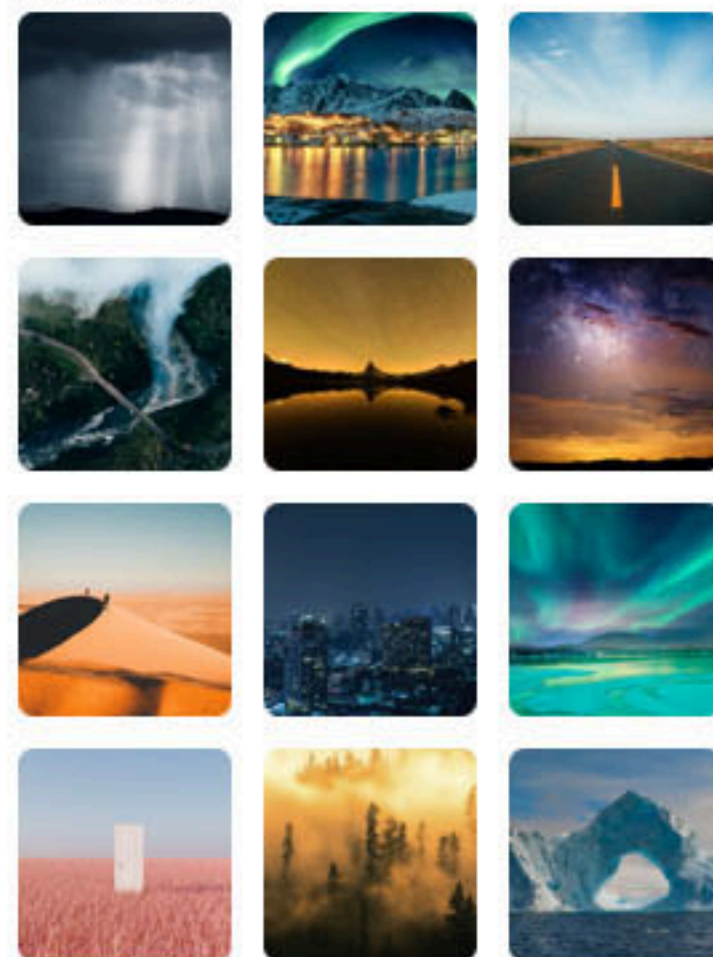
Potlood



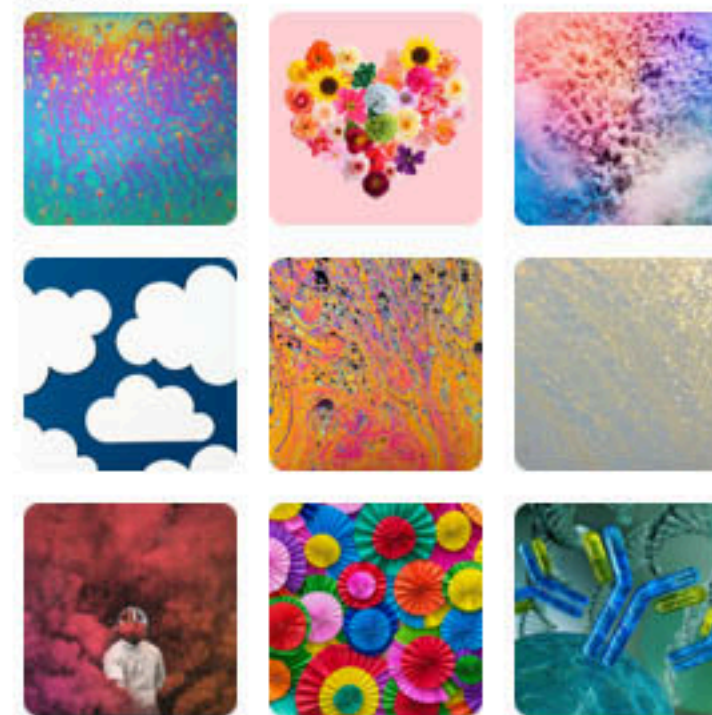
Digitale illustratie



Landschappen



Textuur



Fotomanipulatie



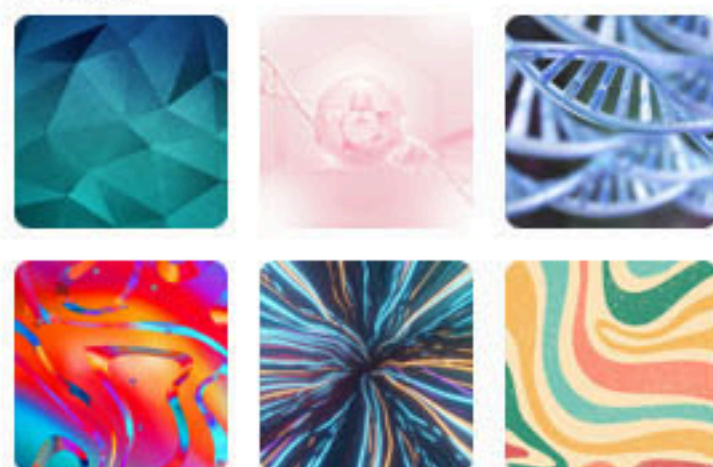
Belichtingseffecten



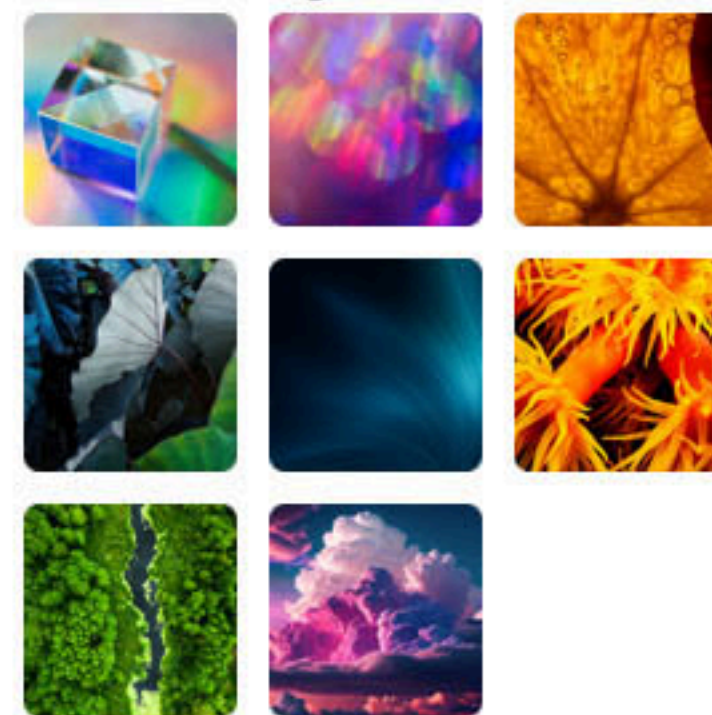
Architectonische schets



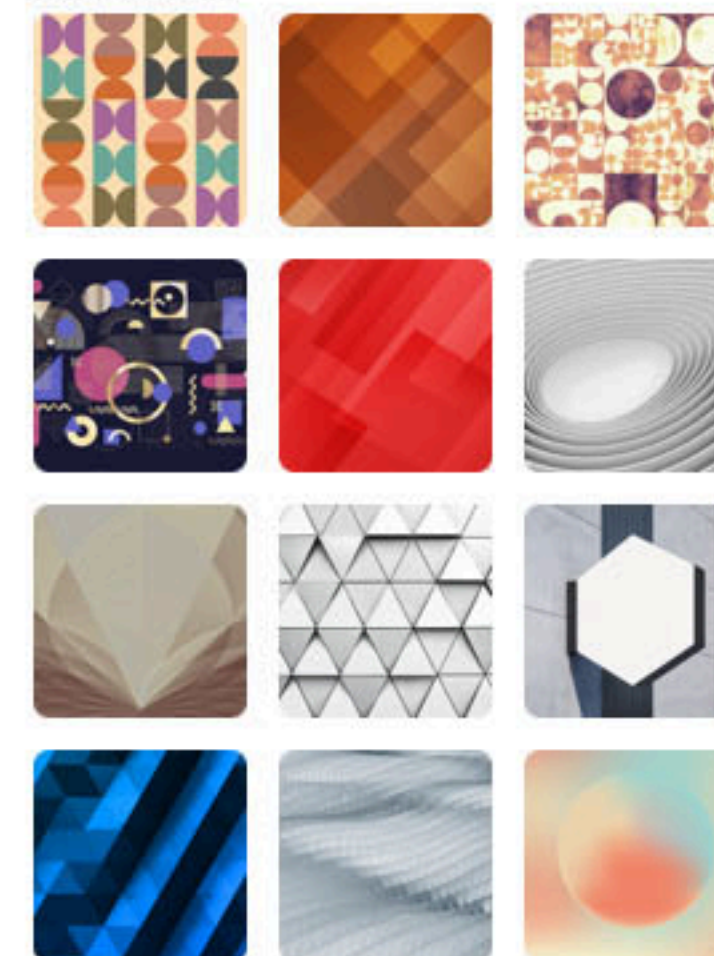
Grafisch



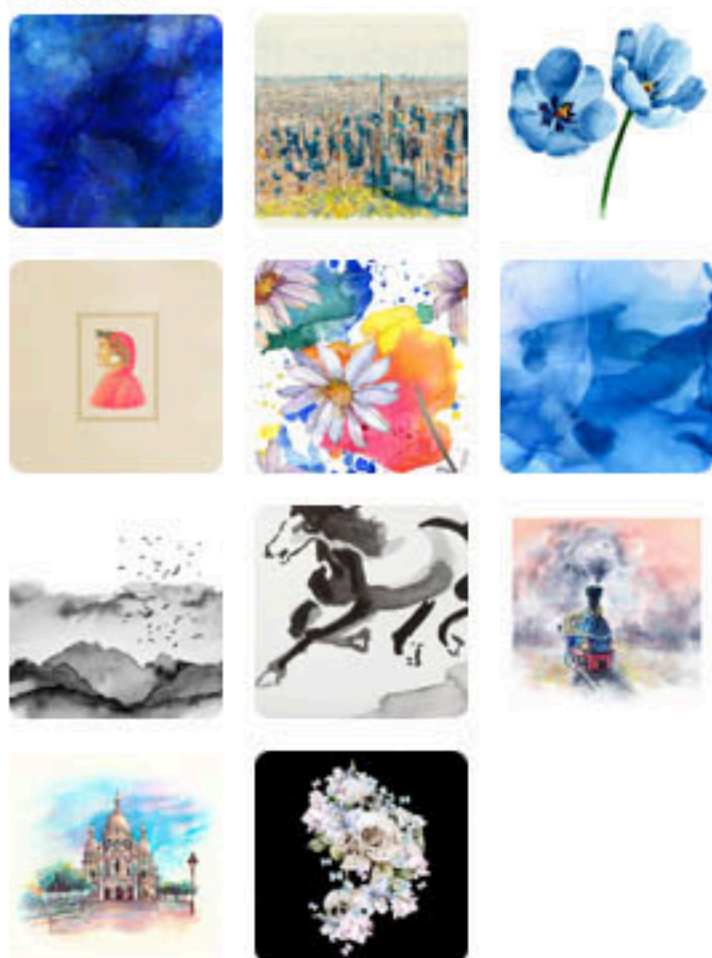
Kleur en verlichting



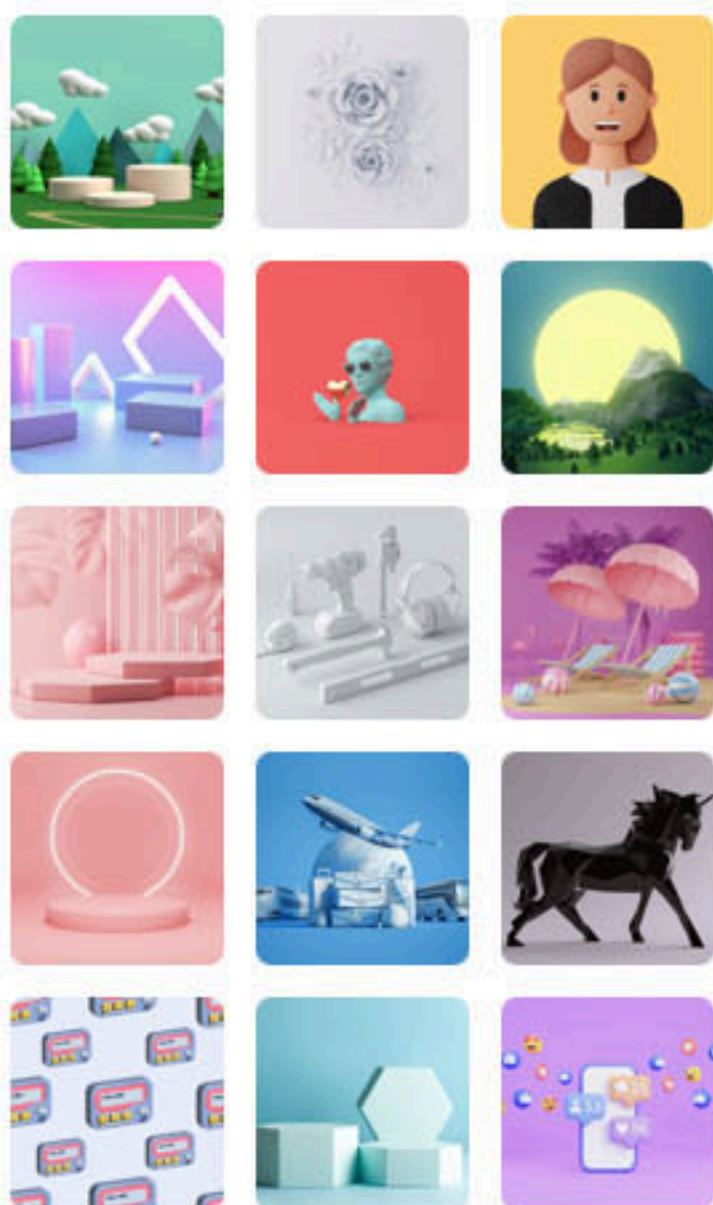
Geometrisch



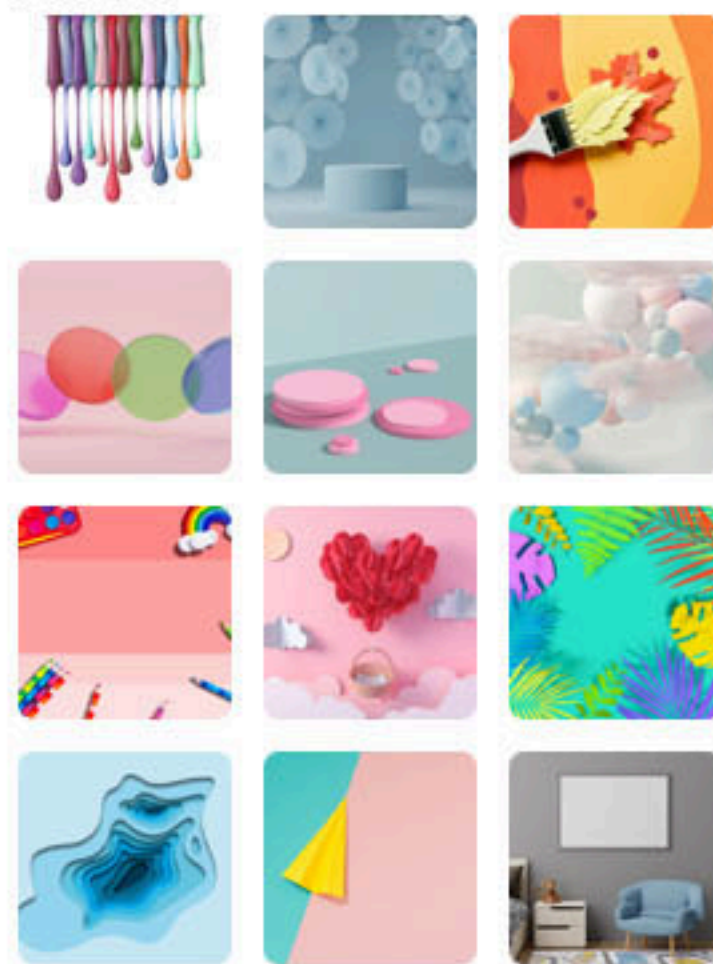
Waterverf



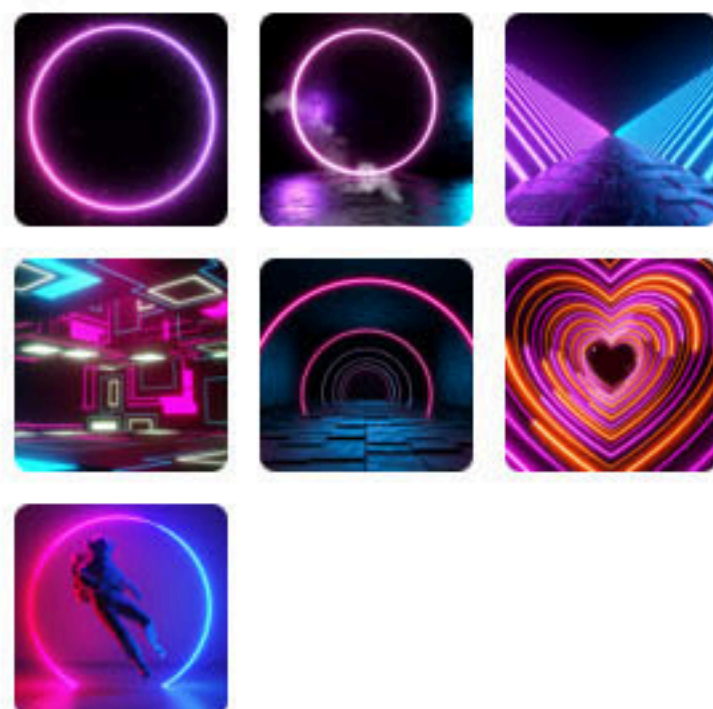
3D



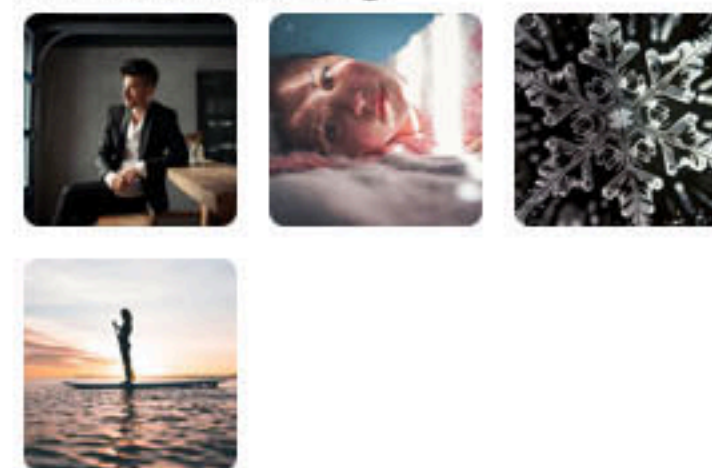
Fotostudio



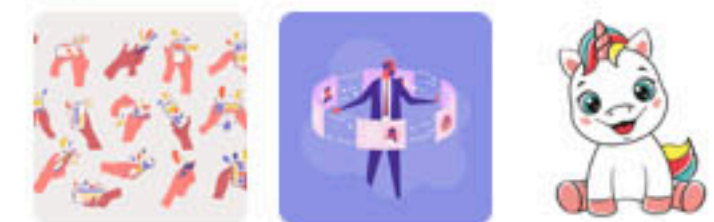
Neon




Dramatische belichting



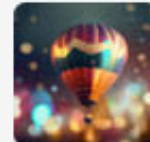


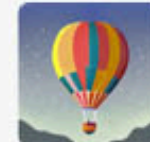


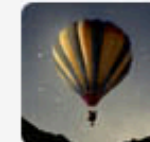





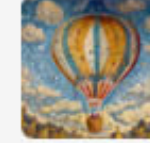

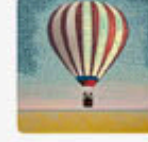


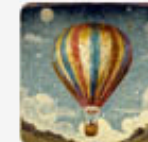
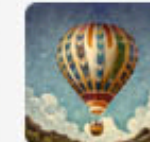

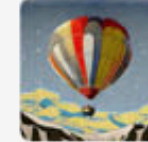



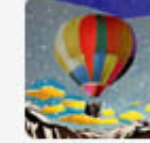

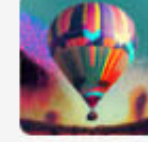
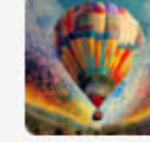

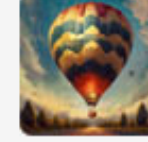
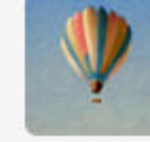
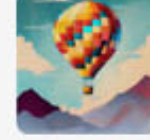
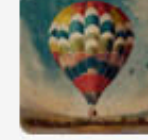
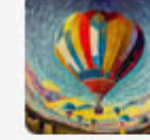



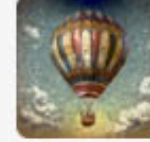
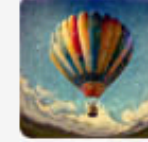
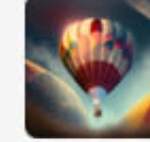

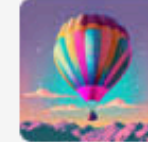
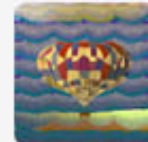

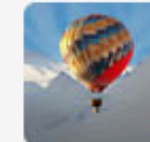
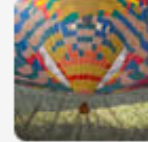
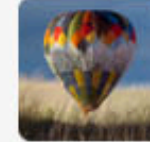
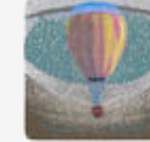
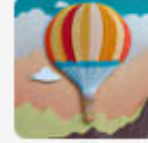
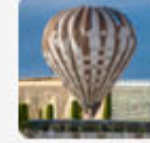
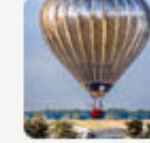

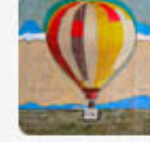
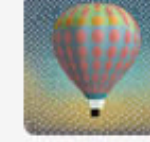
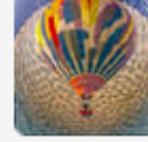
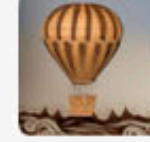
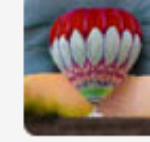











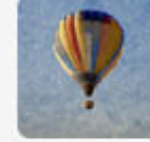

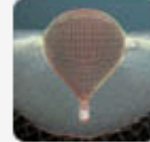



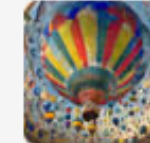
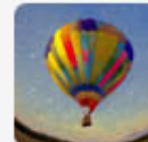
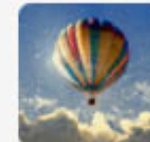
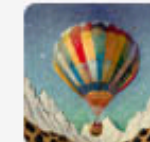
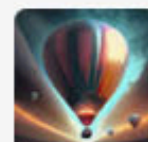
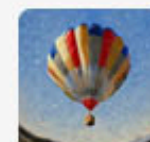
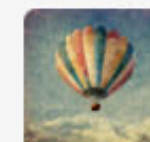
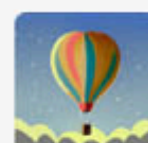





















Plat

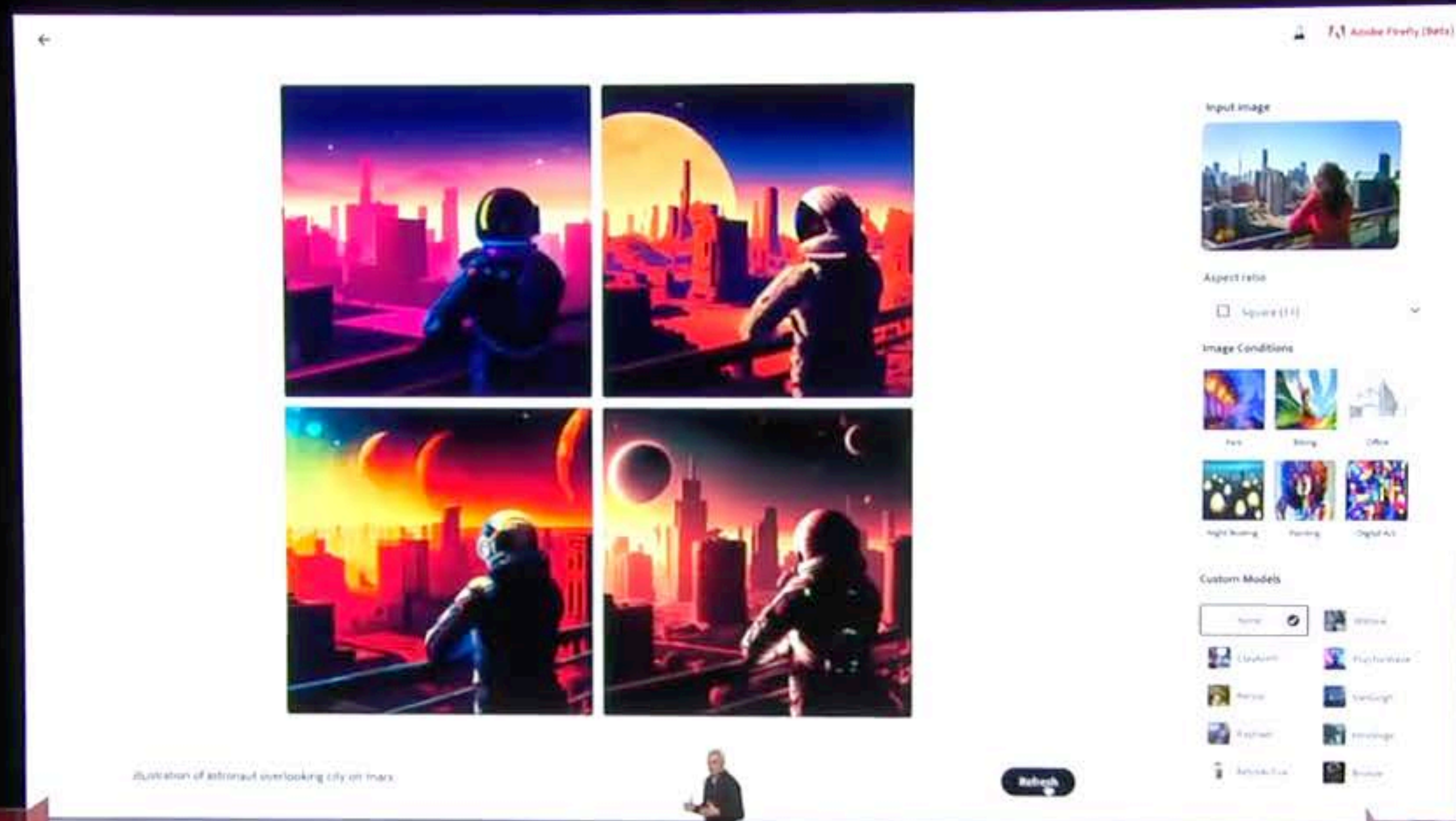


Effecten Kleuren Camera Licht

-  Zwart-wit
-  Koele toon
-  Goud
-  Monochromatisch
-  Gedempte kleur
-  Pastelkleur
-  Getinte afbeelding
-  Levendige kleuren
-  Warme toon

Effecten	Technieken	Bewegingen	Materialen
 Antieke foto  Bioluminescen  Bokeh-effect  Cybermatrix  Digitale kunst  Plat ontwerp	 Acrylverf  Dikke lijnen  Chiaroscuro  Kunst met kleur  Daguerreotypie  Digitale fractaa  Krabbeltekenin  Portret met du  Fresco  Geometrische  Halftoon  Inkt	 Art deco  Art nouveau  Barok  Bauhaus  Constructivism  Kubisme  Cyberpunk  Fantasy  Fauvisme  Film noir  Glitch-kunst  Impressionism  Industrieel  Maximalisme  Minimalisme  Moderne kunst  Modernisme  Neo-expressio  Pointillisme  Psychedelisch  Sciencefiction  Steampunk  Surrealisme  Synthetisme  Synthwave  Vaporwave	 3d-patronen  Houtskool  Klei-animatie  Stof  Bont  Guilloche-patr  Gelaagd papier  Marmor  Gemaakt van r  Origami  Papier-maché  Stippenpatroor  Vreemde patro  Houtsnede  Garen
<p>Thema's</p>  3d  Anime  Cartoon  Filmisch  Stripboek  Conceptuele k  Psychedelische  Psychedelisch  Scandinavisch  Spatafbeelding  Stempel  Trompe l'oeil  Vectoruiterlijk  Draadframe	 Waterverf	<p>Concepten</p>  Prachtig  Bohemien  Chaotisch  Verhoging  Goddelijk  Eclectisch  Futuristisch  Kitscherig  Nostaligisch  Eenvoudig	

-  Tegenlicht
-  Dramatisch licht
-  Gouden uur
-  Hard licht
-  Langdurige belichting
-  Weinig verlichting
-  Meervoudige belichting
-  Studiolicht
-  Surrealistische verlichting
-  Close-up
-  Knolling
-  Landschapsfotografie
-  Macrofotografie
-  Gefotografeerd raam
-  Kleine scherptediepte
-  Opname van bovenaf
-  Opname van onderaf
-  Oppervlakdetails
-  Groothoek



Firefly Image Model

3

Compositie Referentie

Gemak dient de visuele mens

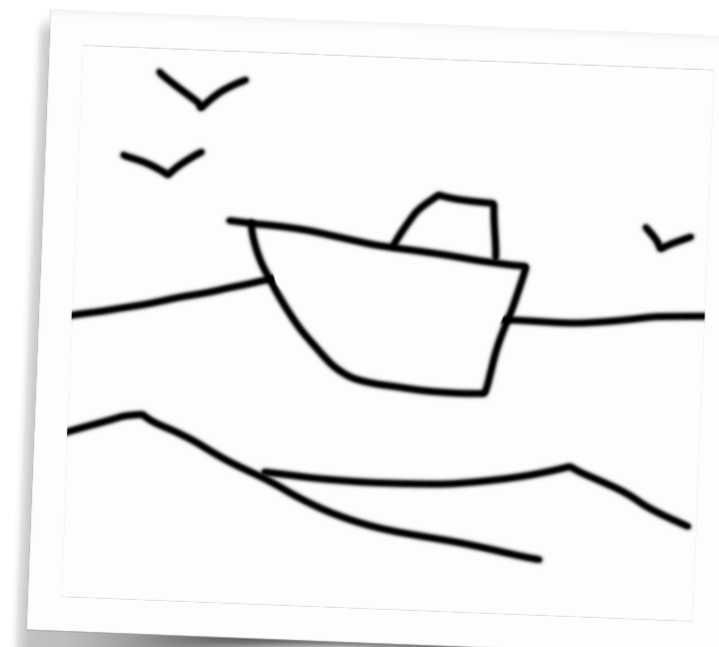
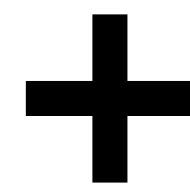
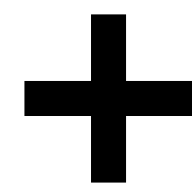
Ik weet niet hoe het heet wat ik qua stijl wil...

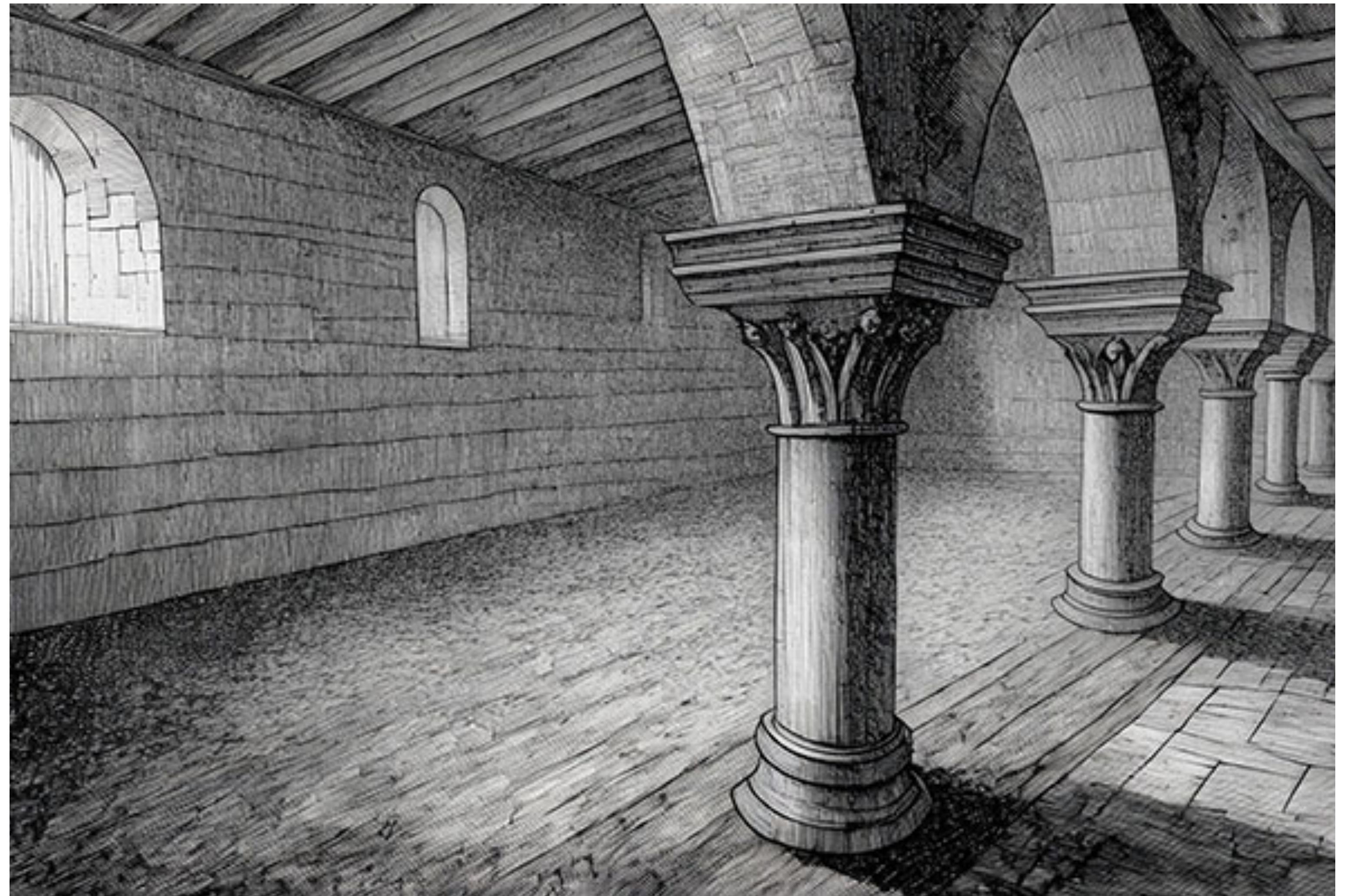
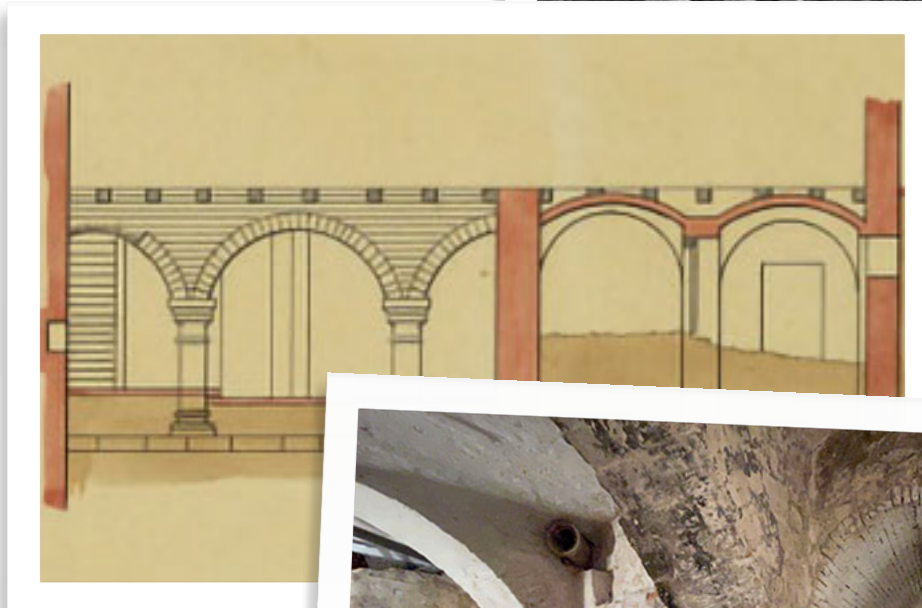
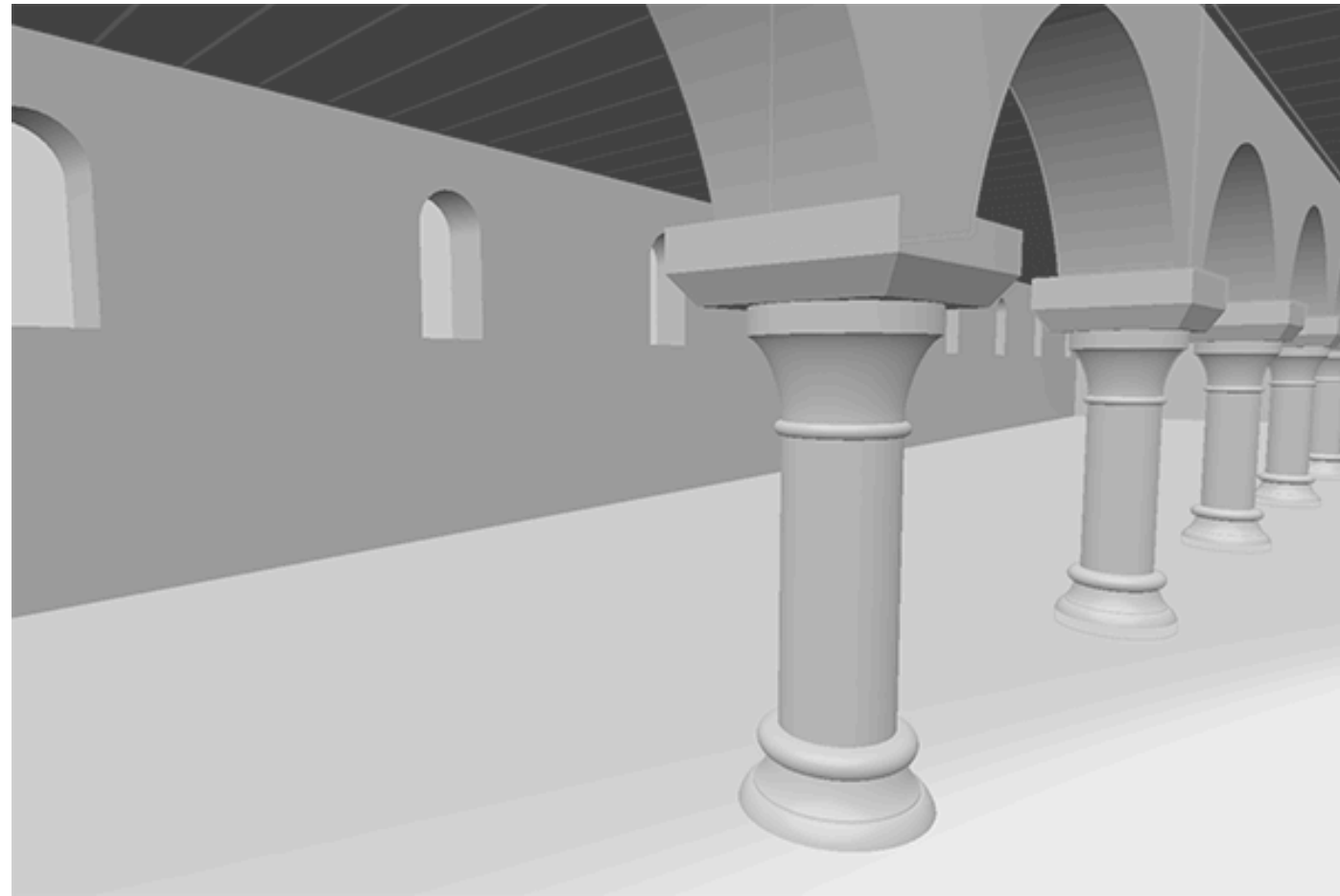
- **Voorbeelden of eigen beeld als stijl-referentie**

Ik weet wáár iets moet maar hoe zeg ik dat ?

- **Een (ruwe) schets als compositie-referentie**

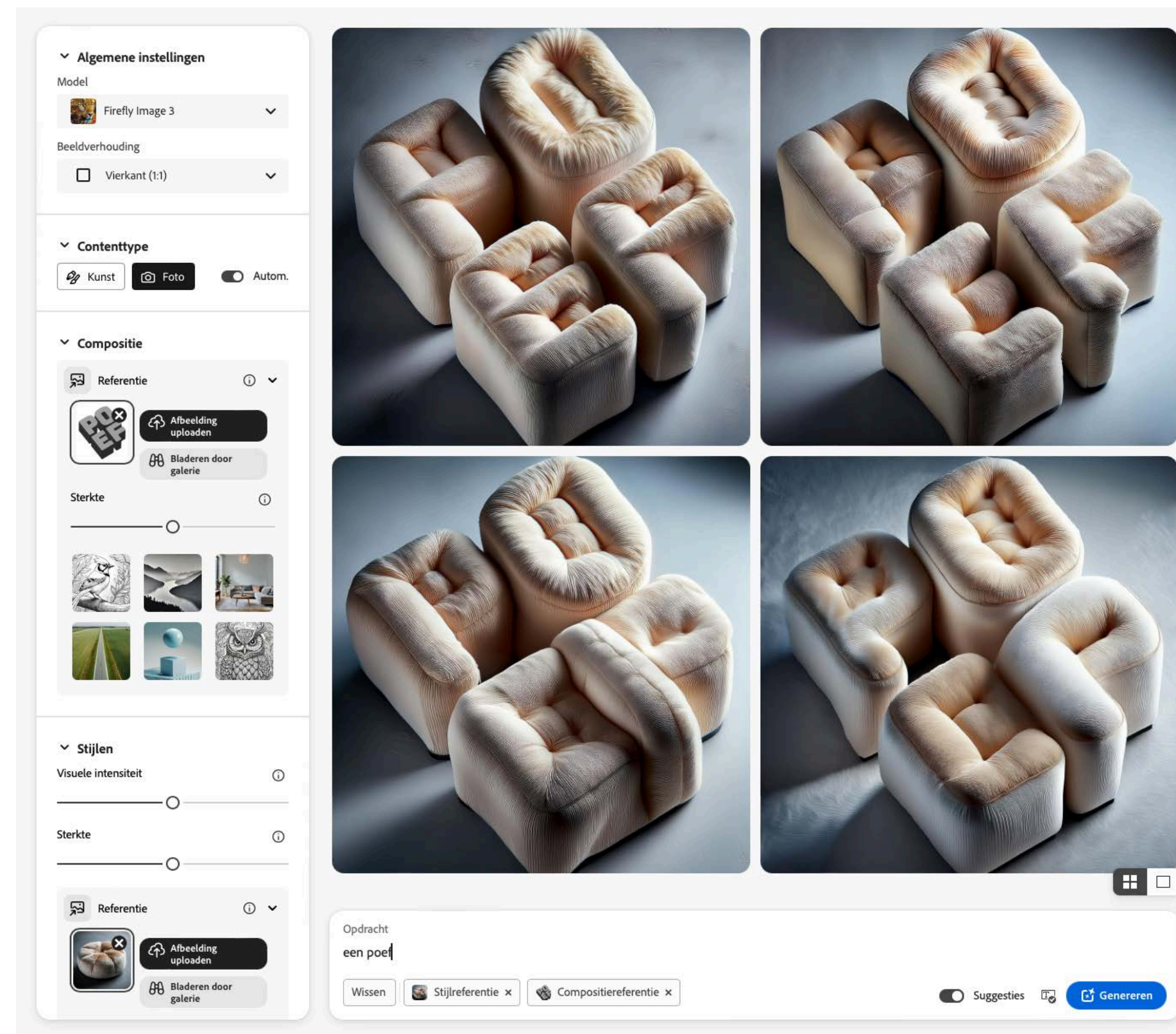
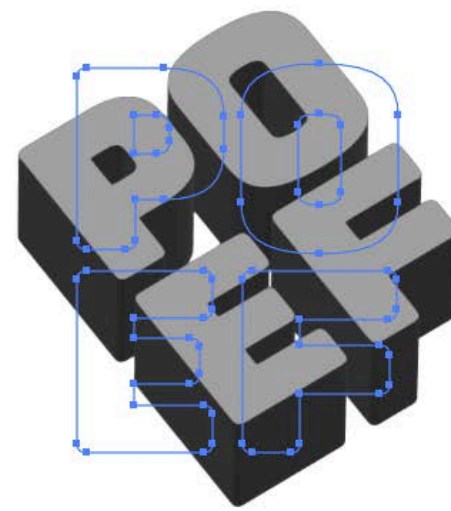
surreal boat
in a desert,
with seagulls
in the sky





Voorbeelden prompts in *Firefly*

POEF



Voorbeelden prompts in *Firefly*

- **Verhouding** moet overeenkomstig zijn !
- *Construction Reference* met **Strength 100%**

liquid, reflective, shiny chrome material, polished, 3d, isolated on black background





PAINTER

<https://www.youtube.com/watch?v=Wvj6fZZWo20>

Content-referentie **Bèta**

- Een bontjack, bierpul, etc.



Wat wilt u genereren? (Optioneel)  | Annuleren  Genereren

Bestaand beeld stileren met AI

Aan de hand van een 'zachte' (40%) selectie.

- Open het originele beeld
- Ga in de *QuickMask*-modus
- Vul met $H = 0^\circ$, $S = 0\%$, $B = 40\%$
- Ga uit de *QuickMask*-modus
- Generatief vullen met prompt

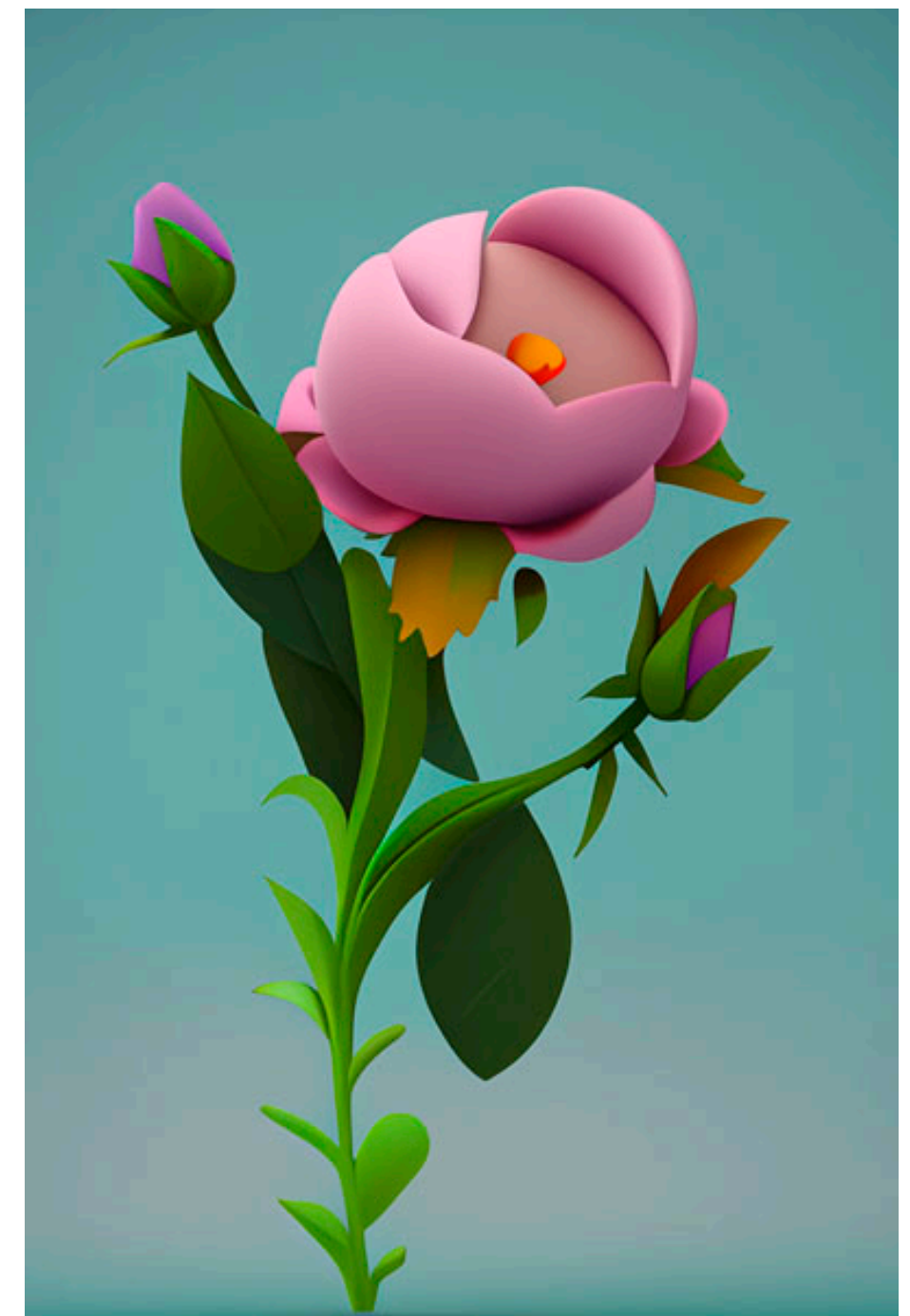
Andere methode(s) zijn/worden mogelijk !

handige uitleg en voorbeelden van termen:

<https://nicolesy.com/2023/09/25/50-art-style-prompts-photoshop...>



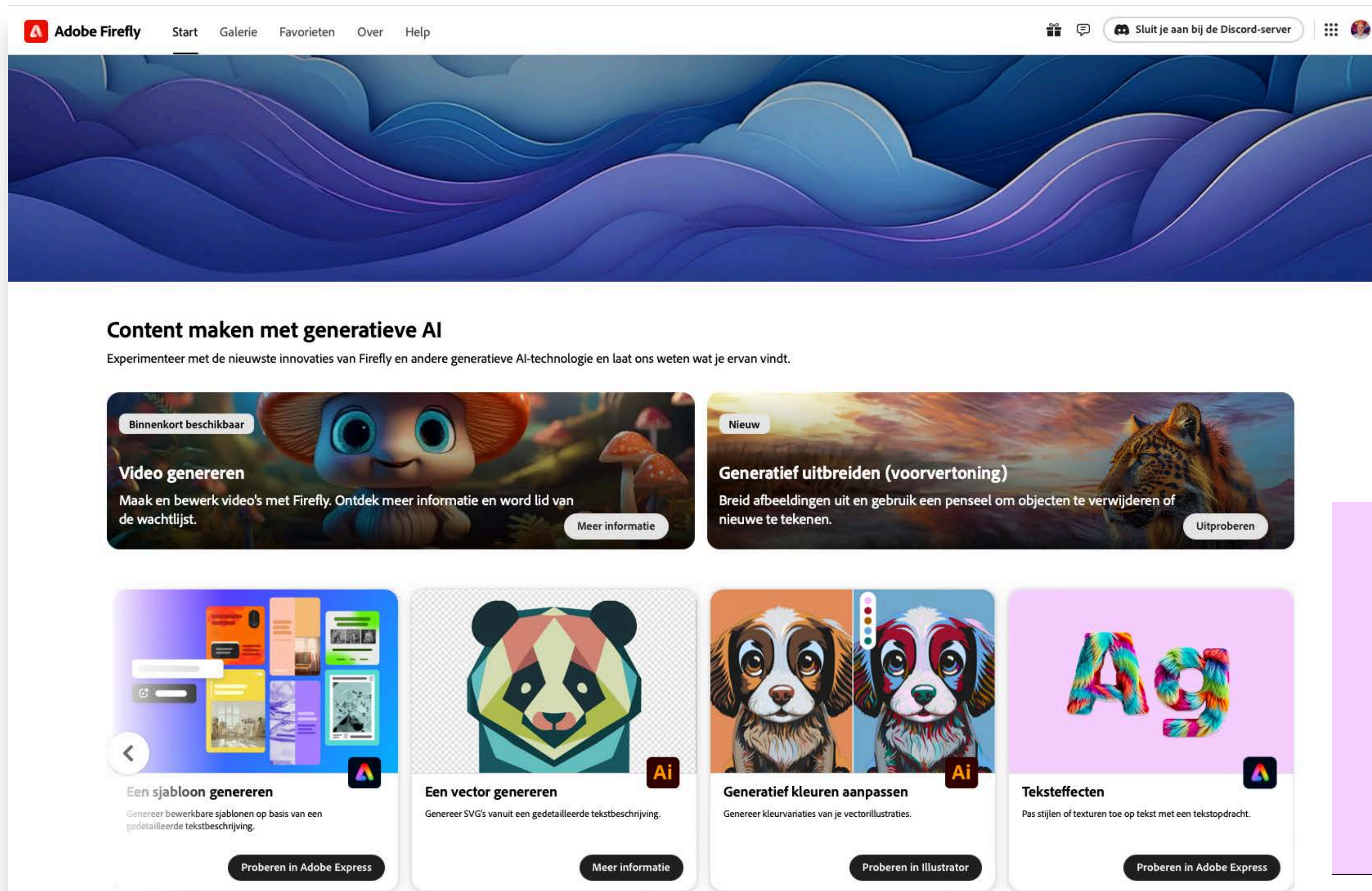
origineel



cartoon art

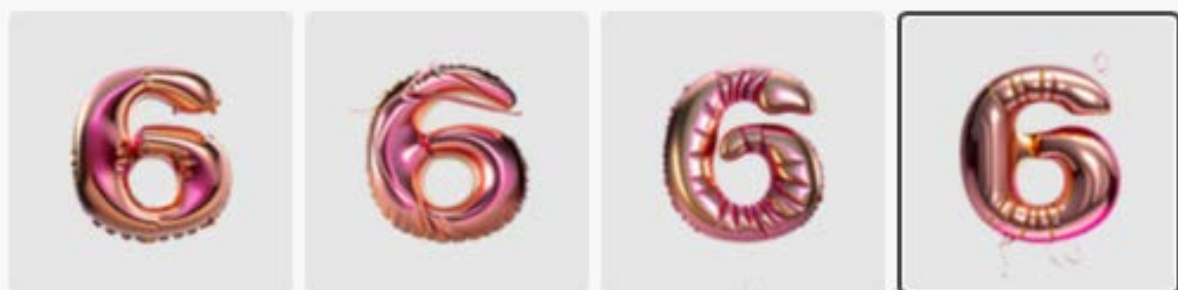


Firefly als springplank



The screenshot shows the Adobe Firefly website interface. At the top, there is a navigation bar with the Adobe Firefly logo, 'Start', 'Galerie', 'Favorieten', 'Over', and 'Help'. On the right side of the navigation bar, there are icons for a gift, a chat bubble, and a button that says 'Sluit je aan bij de Discord-server'. Below the navigation bar is a large, abstract, wavy background image in shades of blue and purple. The main content area features a section titled 'Content maken met generatieve AI' with a subtitle 'Experimenteer met de nieuwste innovaties van Firefly en andere generatieve AI-technologie en laat ons weten wat je ervan vindt.' Below this, there are four featured cards: 1. 'Video genereren' (Binnenkort beschikbaar) with a description 'Maak en bewerk video's met Firefly. Ontdek meer informatie en word lid van de wachtlijst.' and a 'Meer informatie' button. 2. 'Generatief uitbreiden (voorvertoning)' (Nieuw) with a description 'Breed afbeeldingen uit en gebruik een penseel om objecten te verwijderen of nieuwe te tekenen.' and a 'Uitproberen' button. 3. 'Een sjabloon genereren' with a description 'Genereer bewerkbare sjablonen op basis van een gedetailleerde tekstbeschrijving.' and a 'Proberen in Adobe Express' button. 4. 'Een vector genereren' (Ai) with a description 'Genereer SVG's vanuit een gedetailleerde tekstbeschrijving.' and a 'Meer informatie' button. 5. 'Generatief kleuren aanpassen' (Ai) with a description 'Genereer kleurvariaties van je vectorillustraties.' and a 'Proberen in Illustrator' button. 6. 'Teksteffecten' with a description 'Pas stijlen of texturen toe op tekst met een tekstopdracht.' and a 'Proberen in Adobe Express' button.





Voorbeeldopdrachten [Alles weergeven](#)



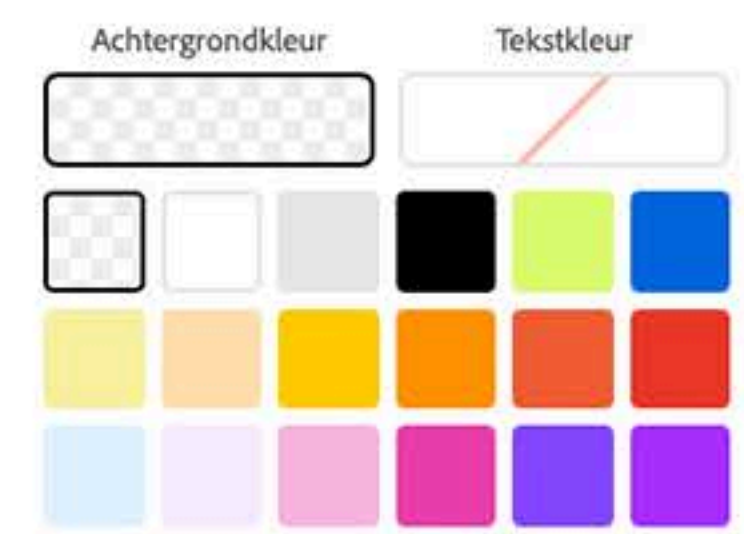
Vorm aanpassen



Lettertype [Alles weergeven](#)



Kleur



Tekst: 60 | Opdracht: rose gouden ballonnen

Nu als *Effect* in Adobe Express





dynamic high energy dragon

Firefly Image 2 Model



a cute kawaii tiger

Firefly Vector Model



a dance party post

Firefly Design Model



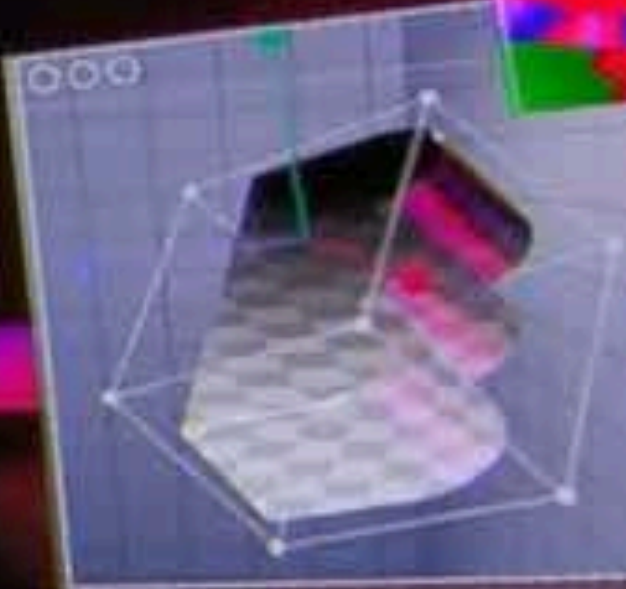
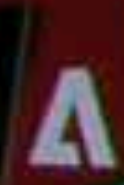
Firefly Audio Model



Firefly Video Model



Firefly 3D Model



Firefly-modellen



Firefly Image Model

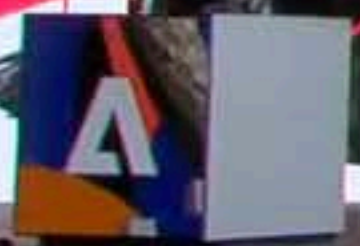


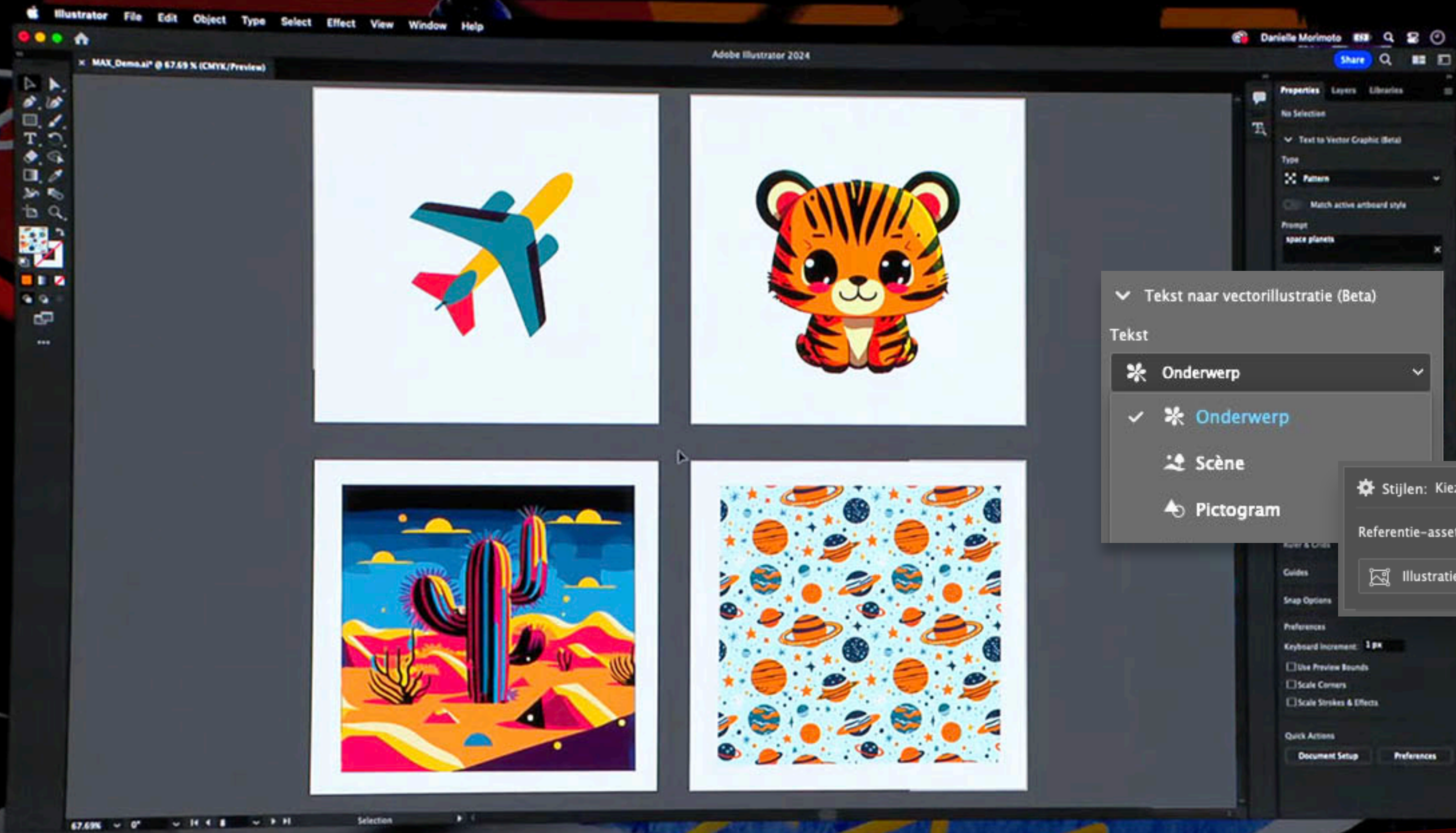
Firefly Vector Model



Firefly Design Model

Bèta
Bèta
Bèta





Ai





FLAVOR LIST

YUM



Herstellen

Opnieuw kleuren Generatief kleuren aan...

Prompt

Beschrijf het kleurenpalet, de stemming of het thema dat u wilt genereren

Kleuren

+ Genereren

Voorbeeldinstructies

Geavanceerde opties...



Properties Layers Libraries

TRAVEL JOURNAL DESIGN

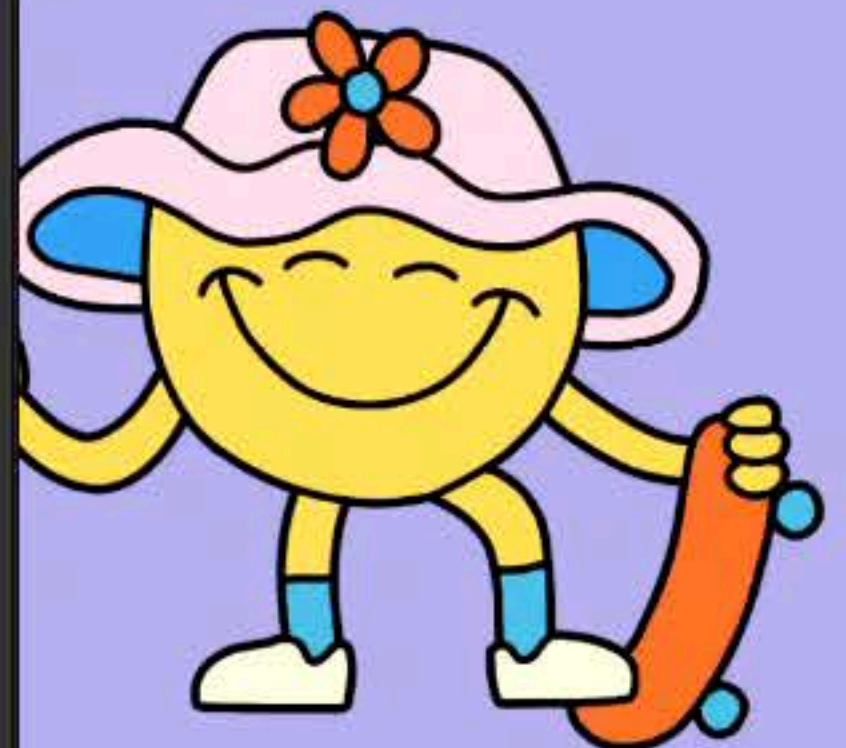
Search current library

California

Grid of various images and design elements



MOODBOARD



HWT Arabesque 27 pt

Retype (Beta)

VIRTUAL

Font Matches:
Type your text to preview

HWT Arabesque

VIRT...

Chandler42 Noir

VIRT...

Modern Love Rough

Apply previous font results or make new selection

Enter

Properties Layers Libraries

Type

Transform

X: 600.7447 W: 196.3701
Y: 360.7612 H: 29.2412 f

0°

Text to Vector Graphic (Beta)

Appearance

Fill

Stroke

Opacity 81%

Character

HWT Arabesque

Regular

27 pt 36.37 p

Auto 29

Paragraph

Bullets And Numbering

Align

Quick Actions

Create Outlines Arrange



Ai Beta



MAX_Demo.ai @ 351.11 % (CMYK/Preview)

Headline: Ice Cream

Subhead

Body Text: Hoss Round Regular

Retype (Beta)

California

Font Matches:
Type your text to preview

Ice Cream Standard
Califo...

Capucine Basic Black
Califor...

Sirenia Bold

Apply previous font results or make new selection

Enter



Properties Layers Libraries

TRAVEL JOURNAL DESIGN

Search current library

California

California

Color palette with various color swatches.

Ice Cream Standard 32.9452

Converted to live text. Exit Retype to edit.



Mock-up (Beta)





DEALS

UP TO 50% OFF

SALE
NOW ON

For more information, visit:
www.example.com

Kader aanpassen

Passend maken

Opties

Properties Pages CC Libraries

No Selection

Document

A4

W: 11,6929 i

H: 8,2677 in

Margins

0,5 in

0,5 in

Adjust Layout

Page

1

Edit Page

Rulers & Grids

Guides

Quick Actions

Import File



DEALS

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UP TO 50% OFF

SALE
NOW ON

For more information, visit:
www.example.com



Propertie Pages CC Libraries

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Y E

PREMIUM

4K HD

*Untitled-1 @ 76% [Converted]

DEALS

UP TO 50% OFF

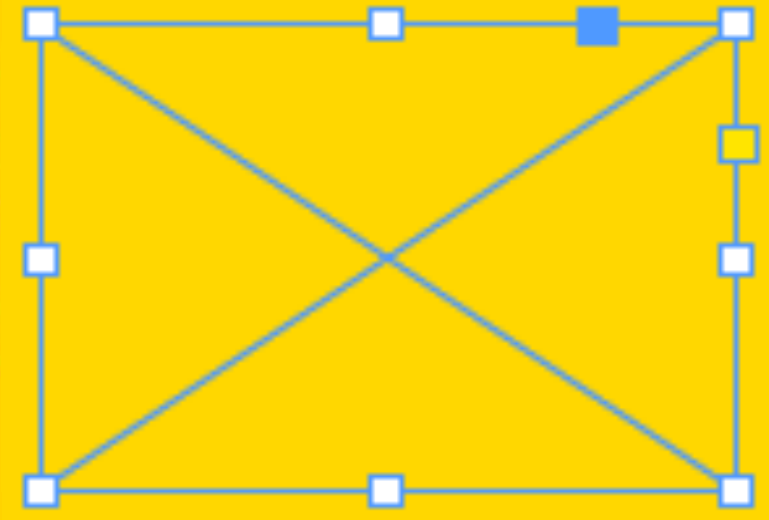
SALE NOW ON

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Fruit bowl Generate ... Back

Text to Image (Beta)

Prompt

Content Type: Photo

Aspect Ratio: Square (1:1)

Generate

Sample Prompts

- Portrait of a cut...
- Product shot of...
- Stream of consc...
- Crowd in New Y...
- Black and white...
- Beautiful magic...
- Japanese match...
- Antique s...

Variations



Firefly-modellen



Firefly Image Model



Firefly Vector Model

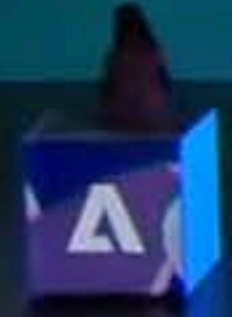


Firefly Design Model





The central backdrop features a large white document icon with a red 'A' logo on it, set against a purple and blue gradient background. To the left of this icon is a smaller version of the 'A' logo. Below the document icon, the text 'Firefly Design Model' is displayed in white. The backdrop is flanked by abstract digital art on both sides.





Adobe Express





Firefly Design Model



Ice Breaker

Your students will love this description and ask about their favorite books.

READ-A-THON

1520 Elmwell St., New Haven, CT
March 4th, 5:30 PM

Golden Gate Bridge

Built in 1937, the Golden Gate Bridge is one of the most famous bridges in the world. Here are a few fun facts about this 1.7 mile long suspension bridge.

Did you know?

- It took 4 years to build. Construction started in 1933 and ended in 1937.
- It was the first suspension bridge to use steel cables.
- It was the longest suspension bridge in the world at the time.

CLIMATE CHANGE

PROJECTS OF PLANNERS, ENGINEERS, AND THE PEOPLE

Kilgus High School Annual Fundraiser

Car Wash

March 25th, 10 AM - 5 PM

Come along and support our students at their annual school car wash!

Science Fair

125 South Avenue, Dallas, Texas
Monday April 8th at 6:30 pm

Calling all young scientists! Showcase your scientific knowledge and creativity by participating in our annual science fair. Explore various exhibits, experiments, and hands-on activities.

Sponsored by the Perryville PTA

THE WORLD NEEDS TEACHERS LIKE YOU

SPARK HIGH SCHOOL DANCE CLUB!

EVERY MONDAY AT 4:00 PM

NANCE'S FIRST DAY OF SCHOOL

I am 7 years old
I am 50 inches tall
Favorite Toy: Doll
Favorite Color: Pink

After-school program

TUE-FRI 4 PM-7 PM
RED HILLS HIGH SCHOOL

Registration now open! \$50 per month

Parent-Teacher Conference

Revolution Middle School
307 Rose Ave., Nashville, TN
May 2nd from 6 pm - 8 pm



DELTA UNIVERSITY

STUDENT ID

Paige Schultz
ID # 4334543234

Teacher Schedule

Class	Monday	Tuesday	Wednesday	Thursday	Friday
Math					
Science					
History					
Art					
Music					
Physical Education					

CONGRATS ON OUR 100TH DAY OF SCHOOL!

ROXBOROUGH MIDDLE SCHOOL CHICKEN DINNER

OCTOBER 26TH AT 5 PM

MY BOOK REPORT

Book Title: _____
Author: _____
Number of pages: _____
Summary: _____
I liked it because: _____

Parent-Teacher Conference

Revolution Middle School
307 Rose Ave., Nashville, TN
May 2nd from 6 pm - 8 pm

School Supply Drive

Help create a successful learning environment and make sure all students have what they need to succeed!

MATH OLYMPICS

Brought to you by the Lincoln PTA

Lincoln Middle School
Thursday, October 12th at 6:30 pm

Test your math skills and compete against other students in our Math Olympics. Participate in challenging math puzzles, quizzes, and problem solving activities. Let's make math fun!

National Chinese Music School

Share your passion

NOTHING GETS HIM DOWN!

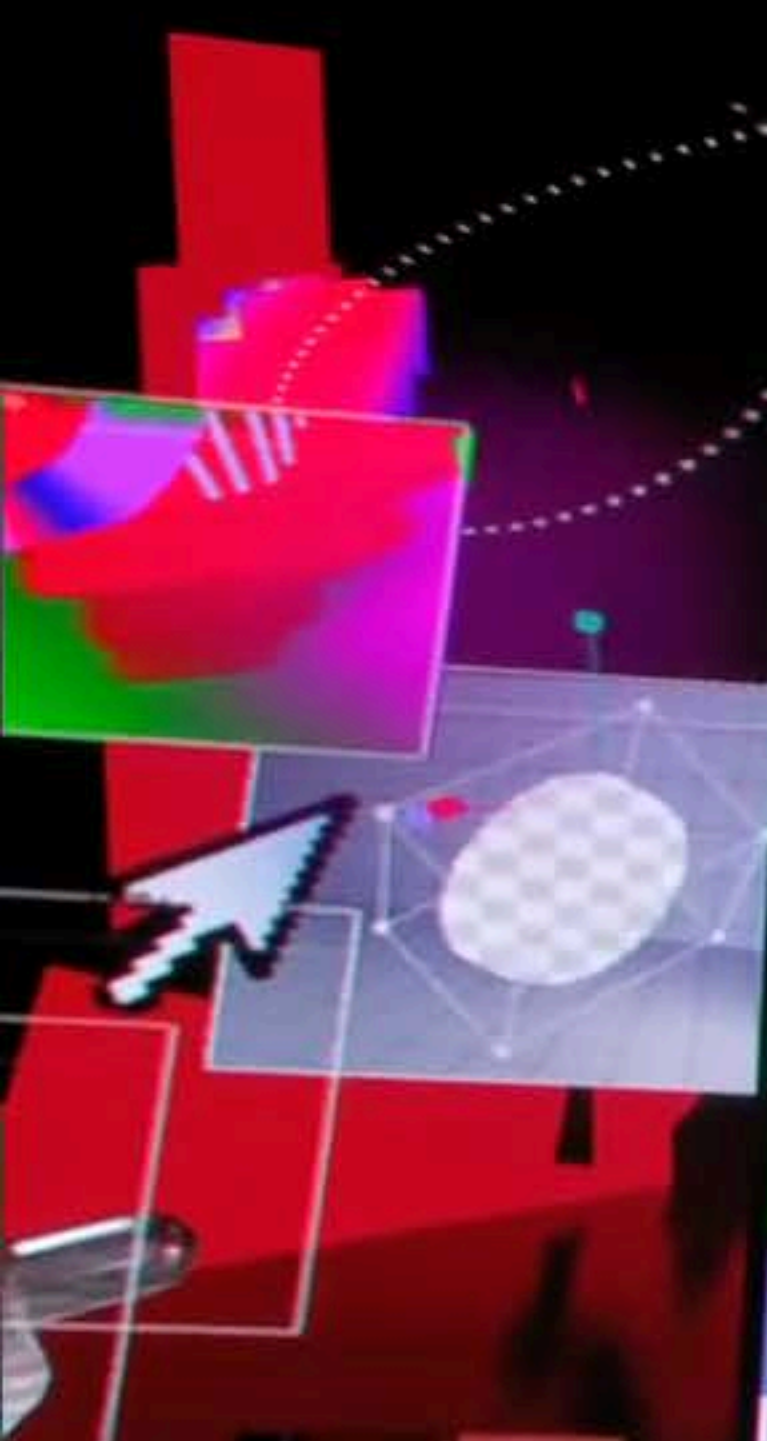
POSITIVE MIKE

AT DUKE'S ELEMENTARY SCHOOL
OCTOBER 19TH - 16TH

TICKETS AVAILABLE AT OTSDB

DELTA UNIVERSITY

DELTA UNIVERSITY



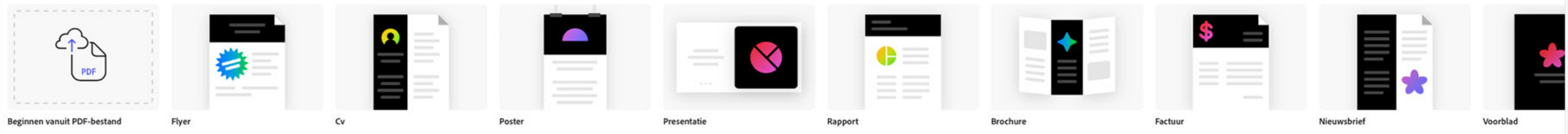
- + Start
- Jouw spullen
- Ontdekken
- Plannen



- Voor jou
- Social media
- Video
- Foto
- Document**
- Marketing
- Generatieve AI

Populair Zakelijk Onderwijs Persoonlijk

Aangepast formaat



Snelle acties voor documenten

Alle weergeven

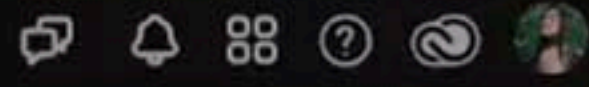


Aanbevolen documentsjablonen

Flyer Menu Verdergaan Brochure Factuur Nieuwsbrief

Alles weergeven





Give it a try, share your feedback, and together we'll make it better.



birthday party invitation for Emma the cat, cats in astronaut suits floating in space, bright colors, with cat puns

Generate

Kick-start your design, with templates made just for you



Generate more results

Recent



View all



dynamic high energy dragon

Firefly Image 2 Model



a cute kawaii tiger

Firefly Vector Model



a dance party post

Firefly Design Model



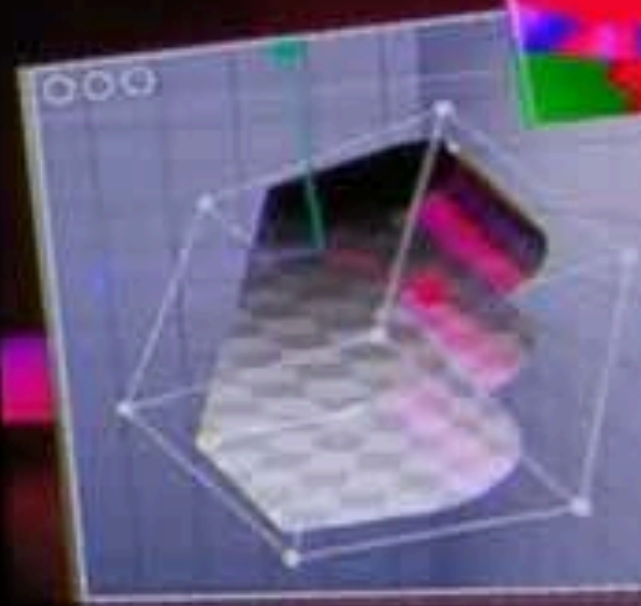
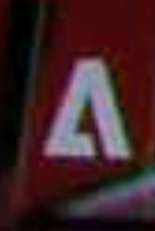
Firefly Audio Model



Firefly Video Model



Firefly 3D Model





Co

#ProjectFastFill

Adobe

Times New Roman

TRAJAN

Cooper Sans

PAPYRUS

Adobe Clean

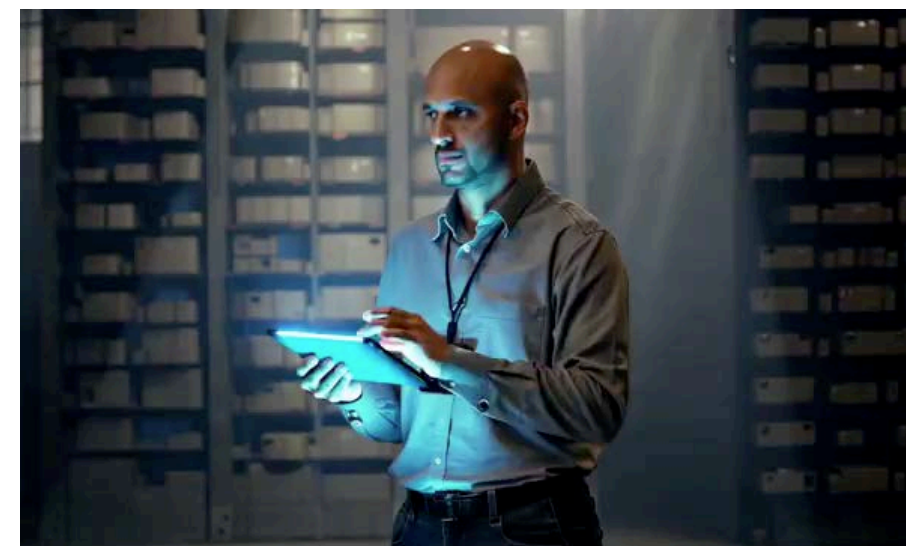
Cooper Black

Sneak Peek: Gen AI in Video

Kom op, Adobe !

Midjourney + Runway

Runway video-to-video



<https://x.com/minchoi>





<https://www.youtube.com/watch?v=rRoEYNSxKas>

Afronding

Vragen, verwonderingen ?

Kort door de bocht: alle nieuws

De buit:

- Massa's voor Photoshop
- Flink wat voor Illustrator
- Beloftes in InDesign (*EN*)
- Beetje voor Lightroom
- Ook wat voor Premiere
- ***Adobe Express*** en ***Firefly***



De **impact** van *Generative AI* zal enorm zijn !



Generative AI features in...

Adobe Photoshop

- Iets uit selectie-gebied verwijderen
- Iets binnen selectie-gebied toevoegen
- Zachte selectie (met *QuickMask*, *Brush*)
- Afbeelding (canvas, crop) uitbreiden
- *Contextuele Taakbalk* (voor prompt)
- Nieuw soort *Laag* en *Eigenschappen*

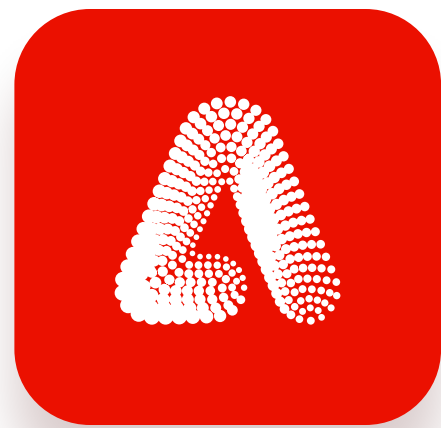


Generative AI features in...

Adobe Illustrator

- Een geselecteerd object vullen met een onderwerp, omgeving, icoon of patroon.
- Geselecteerde objecten opnieuw kleuren
- *Mockup & Retype* (commando & paneel)
 - *Contextuele Taakbalk*
 - *Eigenschappen* in paneel
 - Patronen in *Stalen*-paneel

Generative AI als website-tool



Adobe Firefly

De 'bron' van huidige en nieuwe features

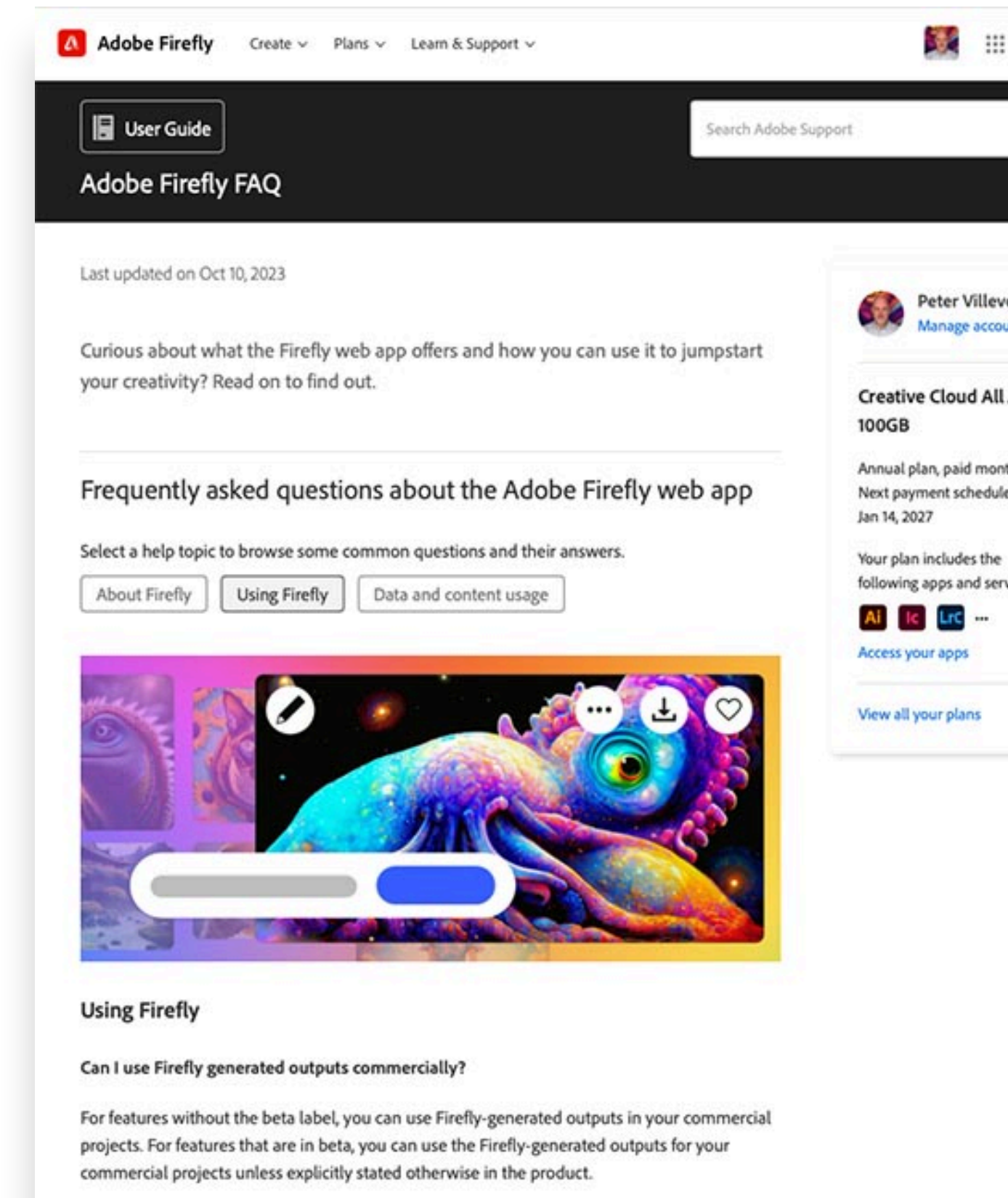
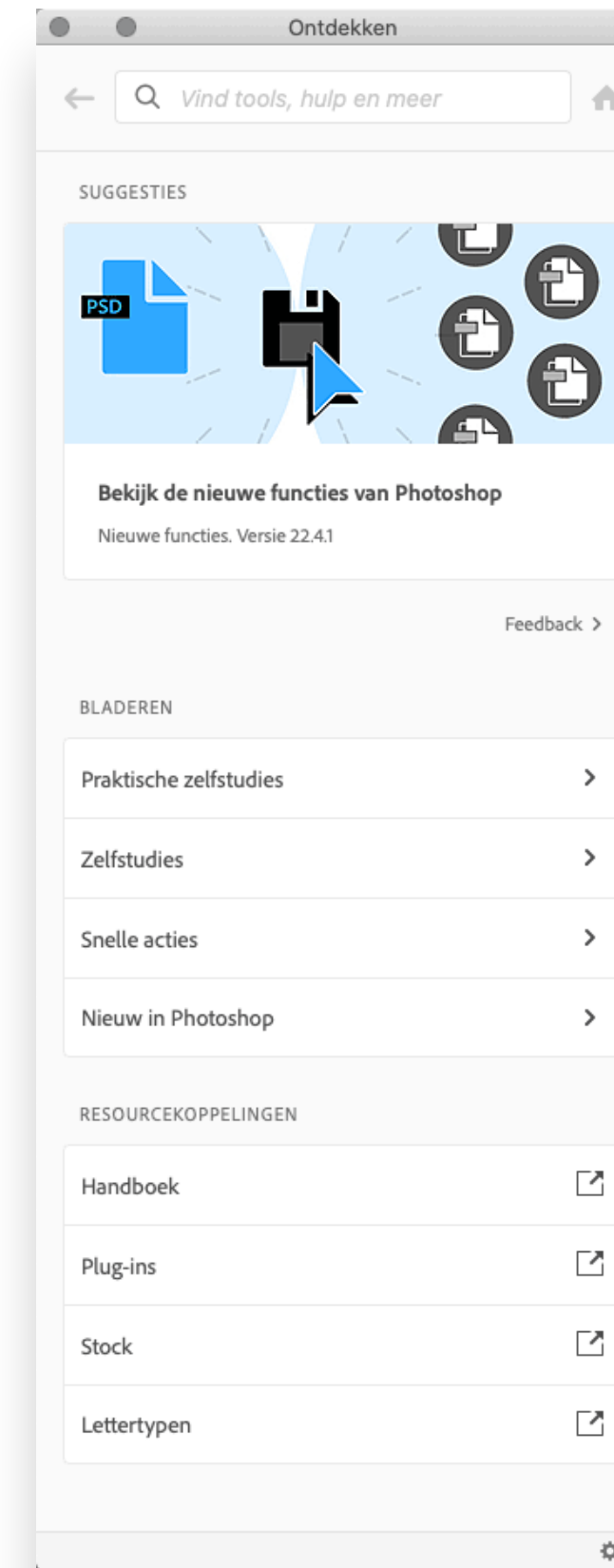
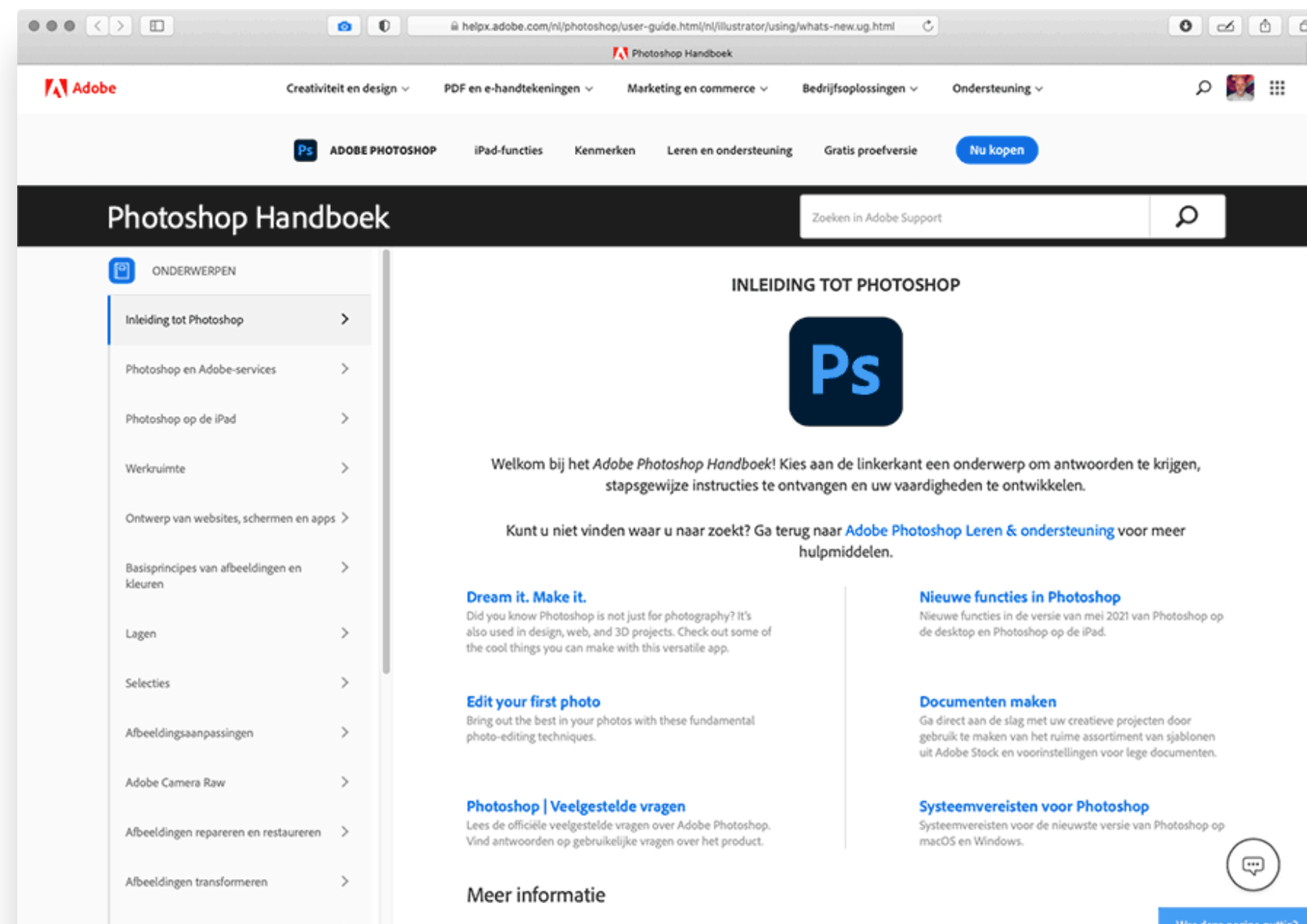


Adobe Express

De 'hakkenbar' met veel AI-aanhakingen

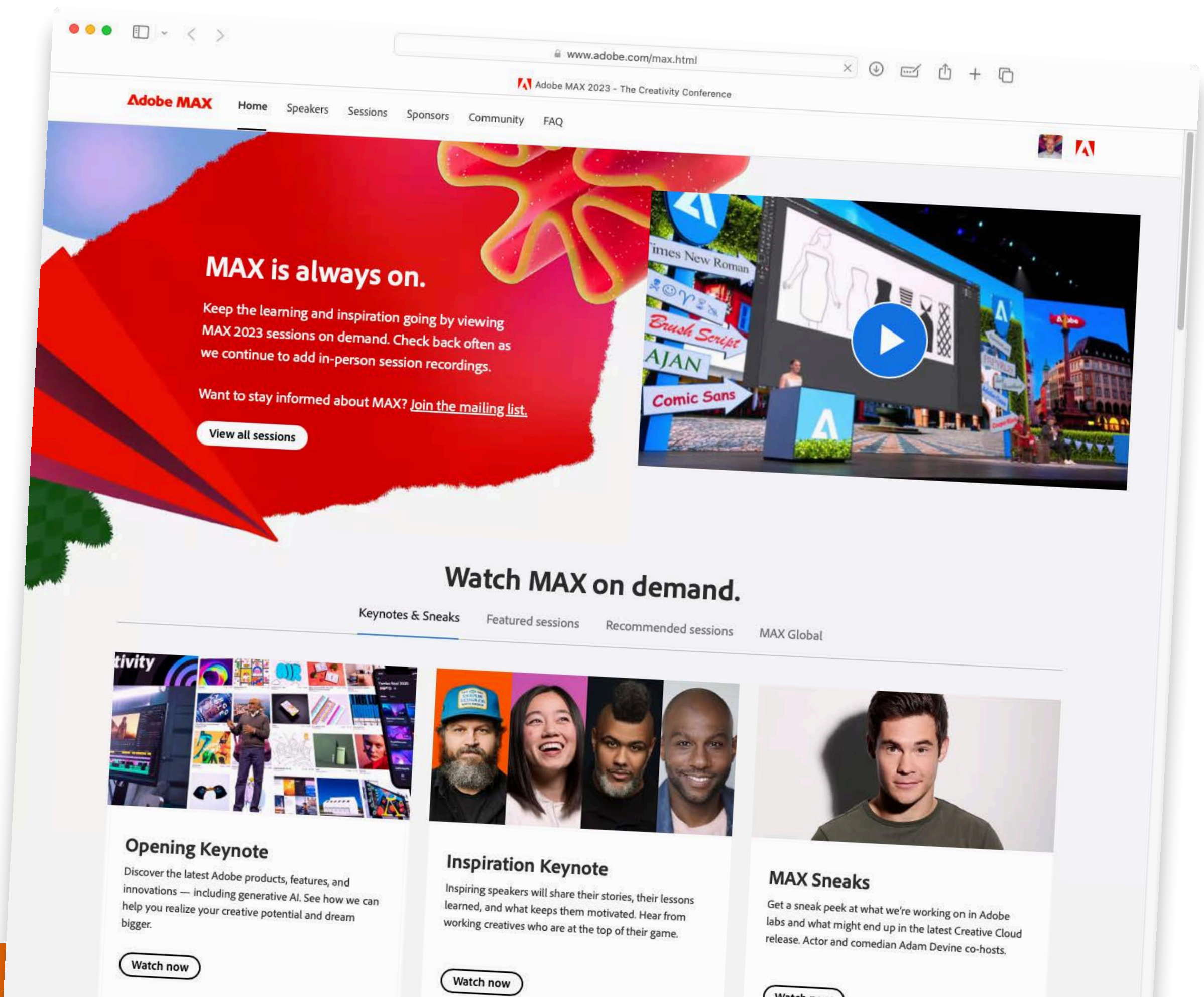
Meer informatie...

- Op *Adobe Help* pagina's en in de programma's zelf



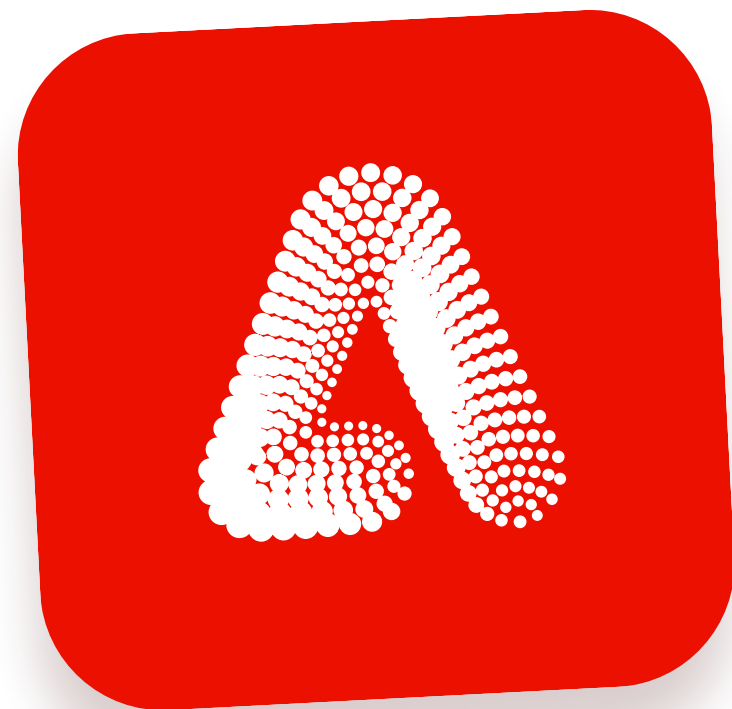
Adobe MAX Online !

- De Keynote(s)
- De SneakPeeks
- Vrijwel alle sessies
-  envato tutorials:
- Adobe Photoshop
- Adobe Illustrator
- Adobe InDesign

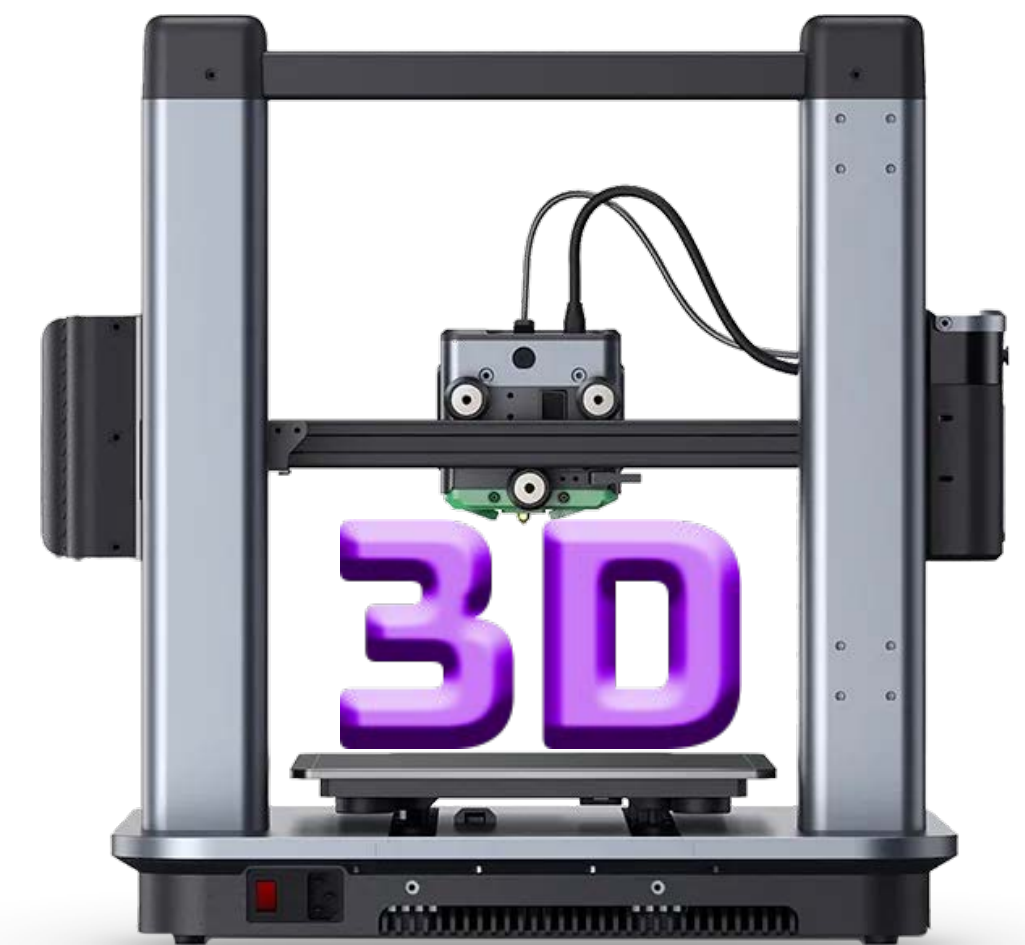
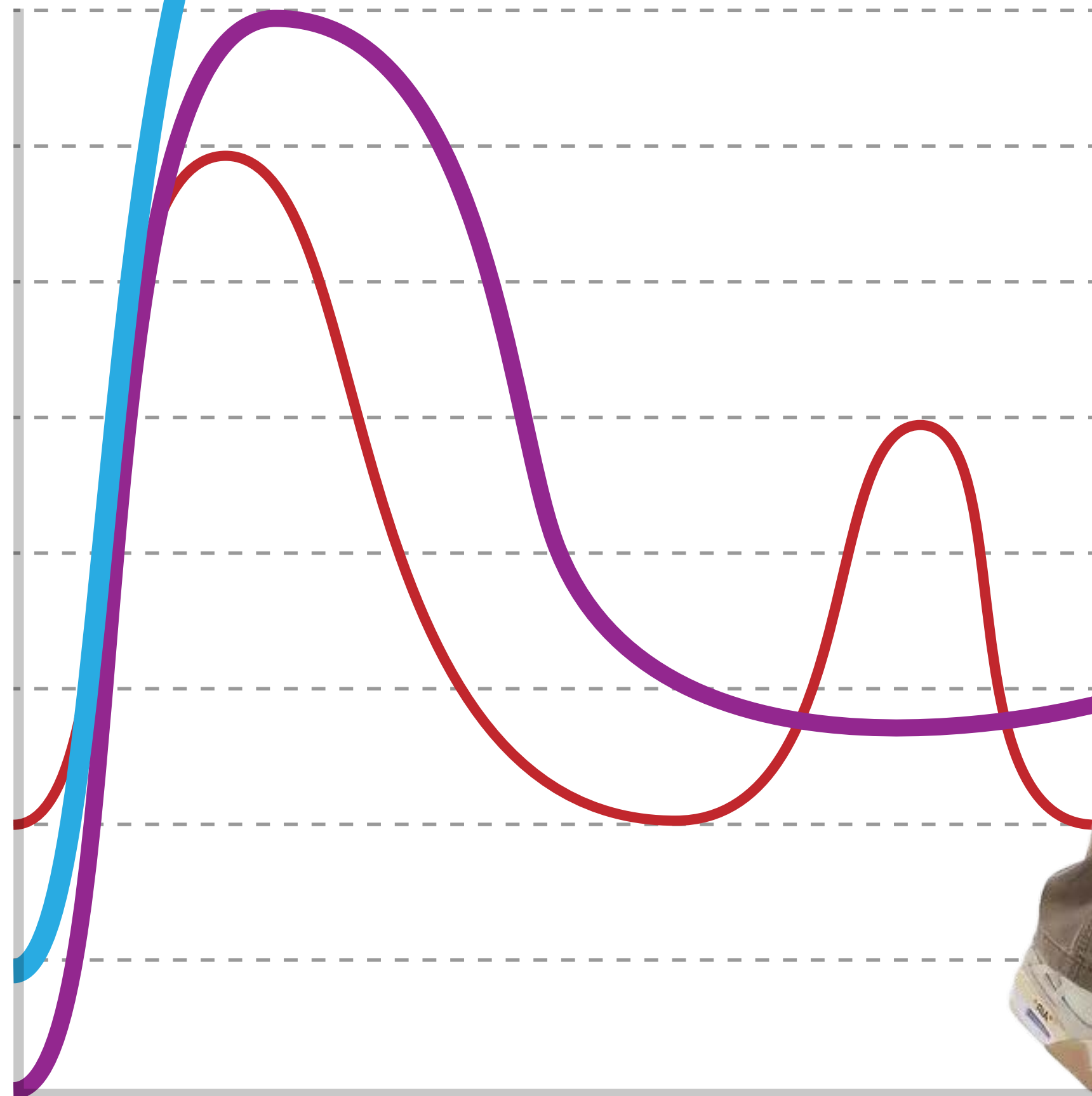


Nieuwe fase in digitalisering ?

- Ruim 30 jaar geleden ontstond het **web: informatie**, voor iedereen, altijd en overal.
- *Generative AI* zorgt voor de volgende stap: **CREATIE**, voor iedereen, altijd en overal !



Hip, Hype, Hoop?



Dank voor je aandacht