

What we will cover

AI Image Generation tools

Midjourney Dalle

- Within Chat GPT 4
- Within Co Pilot

Leonardo
Canva Dreamlab
AI image editing tools in Canva

AI Video Generation tools

Runway – text to video tool
Pika
Sora
CapCut desktop – Video aid tools
Deep nostalgia - Turn an old photo into a video

What we will cover

AI tools to generate Avatars

Synthesia.io

AI Voice generation tools

11 labs - for AI voice overs

What are Large Learning Models? (LLMs)



Large Language Models are like super-smart computers that try to understand and talk like humans.

Super-Smart Computer Robots: Think of them as a computer program that's really good at using words, reading stories, and even writing like a person does.

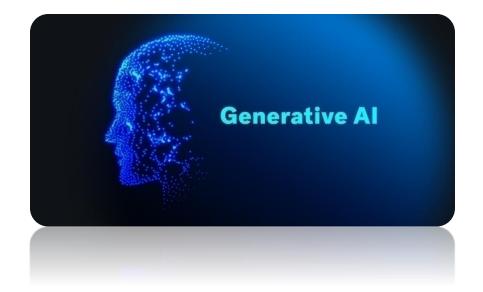
Built Like a Brain: Inside, they are built using something called neural networks. This is a fancy way of saying they're designed like a human brain, using connections called "artificial neurons."

Learning from Everything: They learn by consuming tons of stuff like books, websites, and even what people are saying online. The more they read, the smarter they get.

Image LLMs are fed billions of images. Video LLM are fed billions of videos

Practice Makes Perfect: Just like you might practice a sport to get better, these computer programs keep learning and practicing with more and more information. They keep getting better at understanding and using content the more they practice.

What is Generative AI?



Generative AI refers to a type of artificial intelligence that has the ability to **generate** new data that is similar to the data it was trained on.

It can create original content, such as images, text, audio, or even videos, without direct human input.

Generative AI uses advanced algorithms, typically based on deep learning models to understand patterns and relationships in the training data.

During the training process, the model learns to generate new data that resembles the examples it has seen. For example, if it was trained on a dataset of cat images, it could produce new images of cats that look similar to real cats.

One of the fascinating aspects of generative AI is its ability to create content that didn't exist before. It can be used in various creative applications, like generating artwork, music, or even writing stories.

Many of the tools in this course are both an LLM and generative AI



Chat GPT, Dalle, Midjourney and other tools we will cover falls under the category of both a large learning model and generative AI, combining its extensive language, image or videos understanding with the ability to generate content

Midjourney



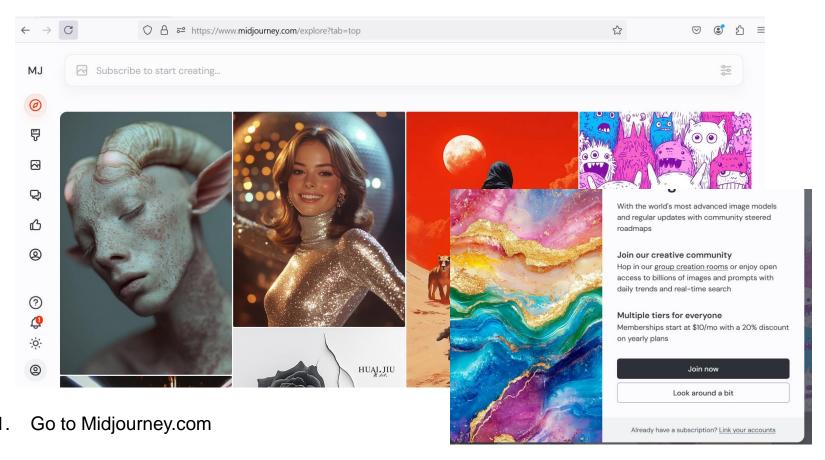
Midjourney is the best image generation tool but it is also the most un user friendly.

- 1.. It is not free to use. The cheapest plan is \$12 a month
- 2. It is complicated to use you need to have a discord account and create your images on a discord server.

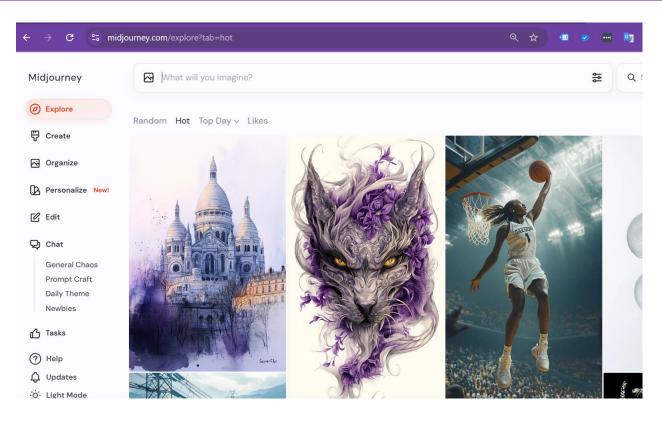
Midjourney



Faked images of Donal trump and the pope circulated widely on social media last year. These were created using Midjourney

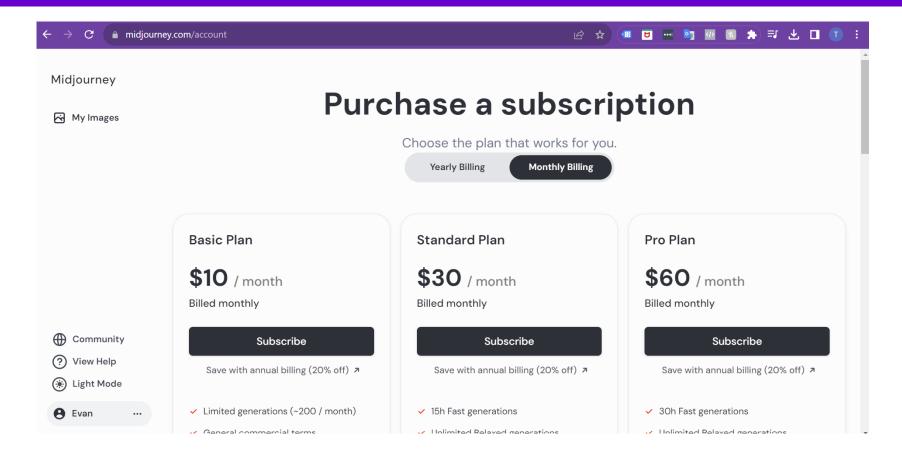


You cannot create images for free. You need to signup for a paid account

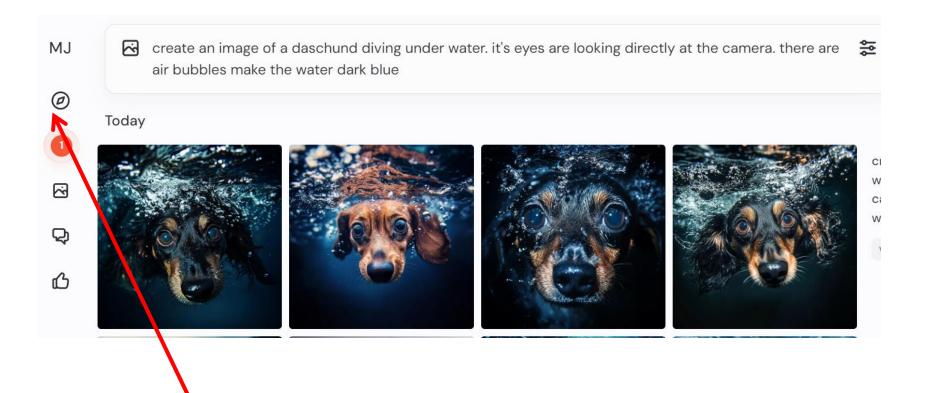


1. Go to Midjourney.com

You cannot create images for free. You need to signup for a paid account



6. You now have to choose a payment plan in order to use Midjourney



On the left hand men click create

Then type in your prompt ant it will generate 4 options for you

What Midjourney produced for an easy request





A Blue Ceramic Vase with Yellow Tulips

Create an image of a beautifully crafted blue ceramic vase, standing tall and elegant on a smooth, reflective surface. There are yellow tulips in the vase

What Midjourney produced for a difficult detailed request



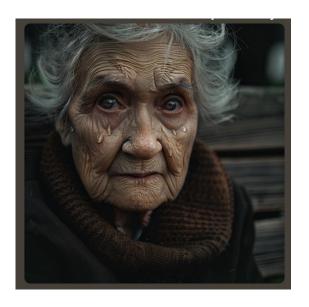


A Cheetah Running Through a Savannah

Envision a scene of a majestic cheetah in full sprint across the vast expanse of the African savannah

What Midjourney produced for a difficult detailed request

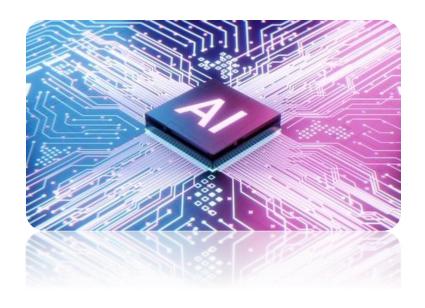




A sad old woman

Create a photo realistic image of an old woman aged around 80

How can text to image creation impact your digital marketing?



Currently when you are looking for stock images for your website, social media posts or as footage in your videos you would go to Pixabay.com or the image library in Canva

- As these tools become more common and powerful you can easily have image created that perfectly matches what you are trying to convey
- In 2024 image creation tools will be incorporated directly into Facebook and Instagram so as you are about to create a post you can customise your own images (Meta announced they are working in this

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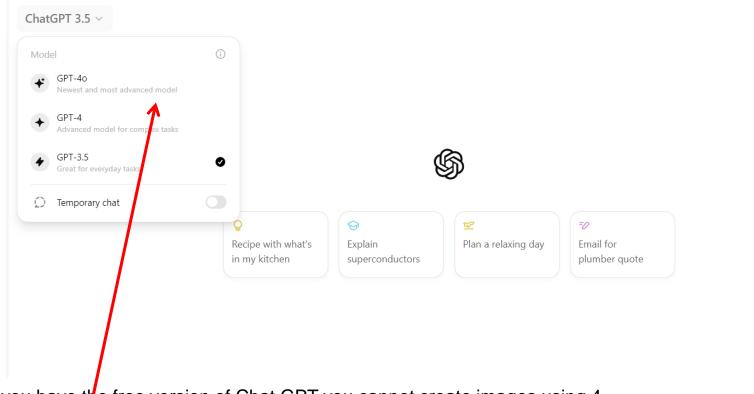


Dalle is the image generator from Open AI, the same company that created Chat GPT

Dalle 3 is the latest and best version.

There are a variety of ways you can use Dalle, some are paid and some are free

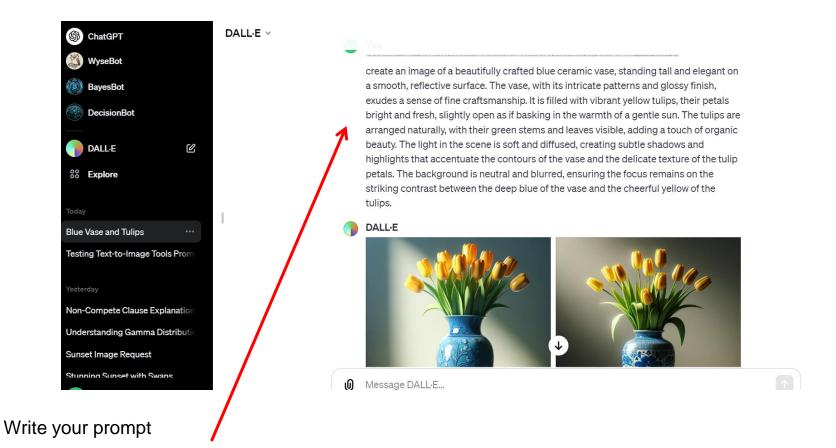
Dalle within Chat GPT 4 and 40



If you have the free version of Chat GPT you cannot create images using 4

However, you can get a limited number of image creations / hour using chat GPT 4o

Dalle within Chat GPT 4 and 40



It will then give you image options.

What Dalle within Chat GPT produced for an easy request



A Blue Ceramic Vase with Yellow Tulips

When I simply asked for an image with a blue ceramic vase with yellow tulips this is what was produced.

What Dalle within Chat GPT produced for an easy request





A Blue Ceramic Vase with Yellow Tulips

Create a photo realistic image of a beautifully crafted blue ceramic vase, standing tall and elegant on a smooth, reflective surface.

What Dalle within Chat GPT produced for a difficult detailed request





A Cheetah Running Through a Savannah

Create a photo realistic image of a majestic cheetah in full sprint across the vast expanse of the African savannah. habitat

I think these more complicated images are good but not as photo realistic as Midjourney

What Dalle within Chat GPT4 produced for a difficult detailed request



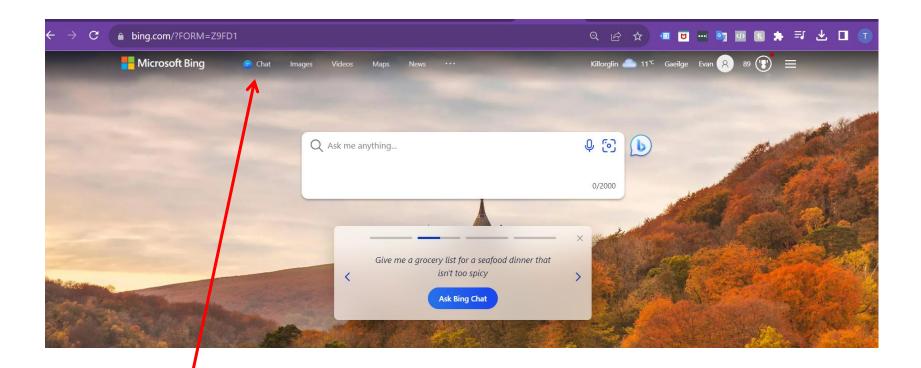


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I think these more complicated images are ok but not as photo realistic as Midjourney

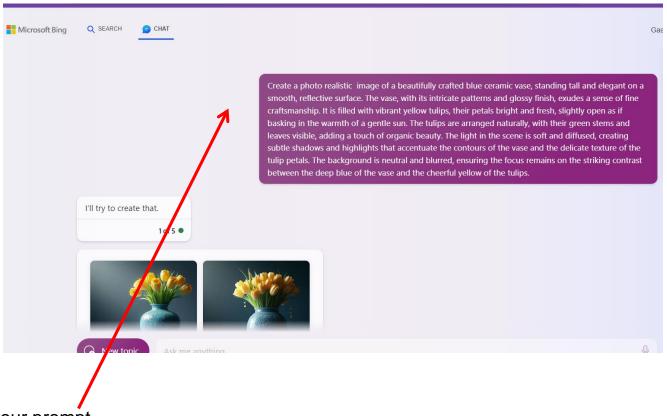
Dalle within Co Pilot



To use Dalle with n Bing AI chat go to Bing.com Then click on CoPilot

Then type in your image prompt

Dalle within CoPilot



Type your prompt It will generate 4 images within 60 seconds Click on one and you can then download it

What Dalle within CoPilot produced for an easy request

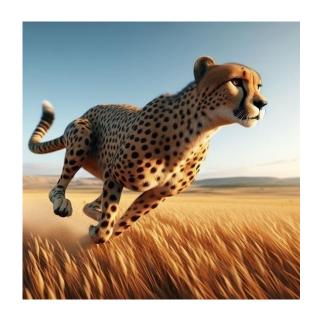




A Blue Ceramic Vase with Yellow Tulips

Create a photo realistic image of a beautifully crafted blue ceramic vase, standing tall and elegant on a smooth, reflective surface. The vase, with its intricate patterns and glossy finish, exudes a sense of fine craftsmanship. It is filled with vibrant yellow tulips, their petals bright and fresh, slightly open as if basking in the warmth of a gentle sun. The tulips are arranged naturally, with their green stems and leaves visible, adding a touch of organic beauty. The light in the scene is soft and diffused, creating subtle shadows and highlights that accentuate the contours of the vase and the delicate texture of the tulip petals. The background is neutral and blurred, ensuring the focus remains on the striking contrast between the deep blue of the vase and the cheerful yellow of the tulips.

What Dalle within CoPilot produced for a difficult detailed request





A Cheetah Running Through a Savannah

Create a photo realistic image of a majestic cheetah in full sprint across the vast expanse of the African savannah. The cheetah, marked by its distinctive black spots on golden fur, exhibits a powerful and graceful form as it races across the terrain. Its muscles are visibly defined, capturing the essence of speed and agility. The savannah around it is a blend of golden grasses and sparse greenery, stretching out to a horizon under a clear blue sky. The sun is high, casting dynamic shadows that accentuate the cheetah's rapid movement. Dust is kicked up under its swift paws, adding a sense of motion and intensity to the scene. This image encapsulates the raw power and elegance of one of nature's fastest animals in its natural habitat

What Dalle within CoPilot produced for a difficult detailed request





A sad old woman

Create a photo realistic image of an old woman aged around 80. Her eyes, a deep shade of hazel, are filled with tears, reflecting a sense of sadness and vulnerability. Her expression is one of sorrow, with her eyebrows slightly furrowed and her small mouth downturned. She is sitting on a wooden bench in a quiet park, surrounded by greenery, adding to the sombre mood of the scene. The lighting is soft, casting a gentle illumination on her face, highlighting the tears on her cheeks and the emotional depth in her eyes

I think these images are very similar to the Dalle images within Chat GPT

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Leonardo

Canva Dreamlab AI image editing tools in Canva

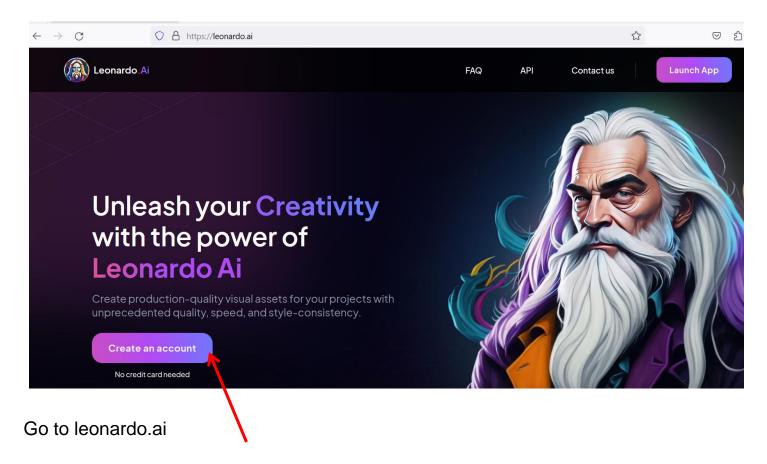
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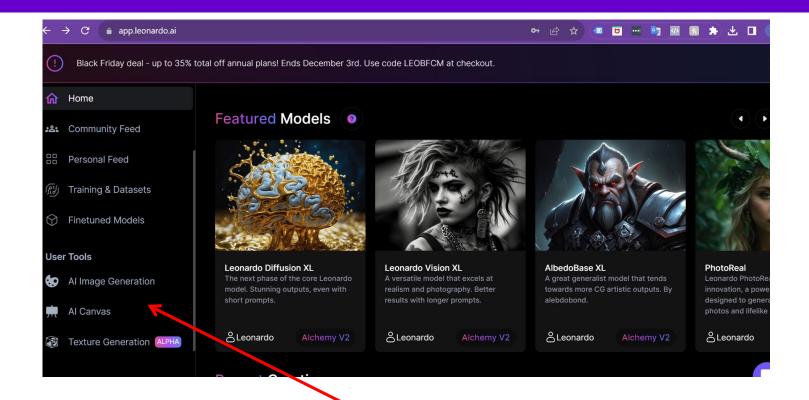


Leonardo is an Al image generation that ...

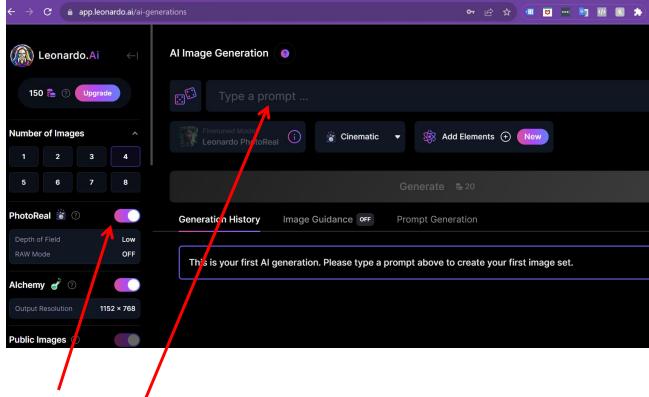
- 1. Is easier to use than Midjourney
- 2. Produces images that are excellent
- 3. You can create 6-8 free images per day using their best image creation model (alchemy) for a limited period.
- 4. They make it easy to create different styles of images because they offer different image generation models



Click create an account and register for a free account



When you login click on AI image generation on the left hand menu



Switch on the option for Photo real to get realistic images
Type you prompt into this box

Note – you get 150 credits each day. An image uses 20 credits so you can create around 7 free images a day.

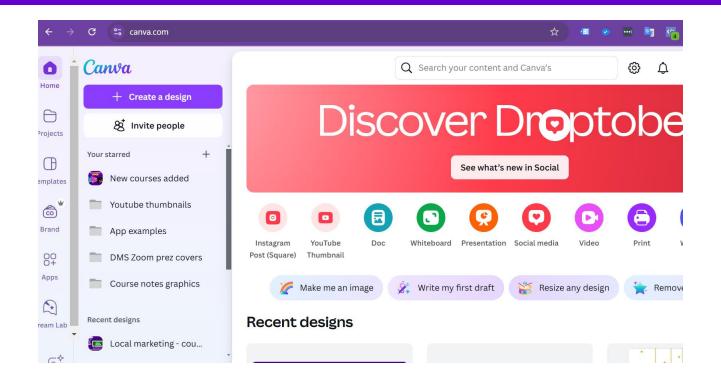
What Leonaro.ai produced





The quality of these images is excellent and is comparable to Midjourney

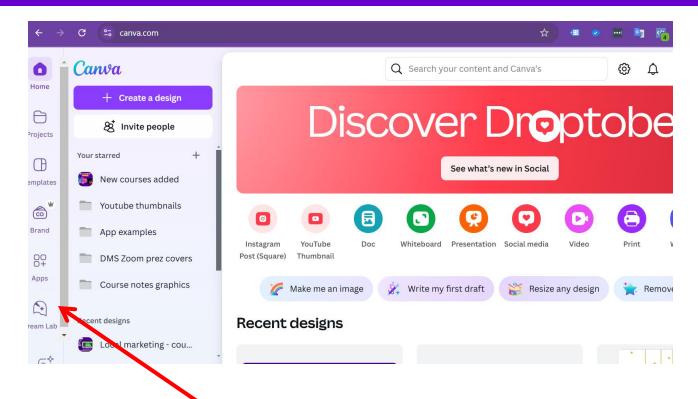
Dreamlab in Canva



This Canva's excellent. called Lab is new text to image Αl tool Dream and it is

There was previously a text to image app in Canva but it wasn't very good. However, they recently purchased Leonardo.ai which is one of the best text to image tools and this is now powering Dreamlab.

Free Canva users can use this tool 20 times in total but paid users can use it 500 times a month.

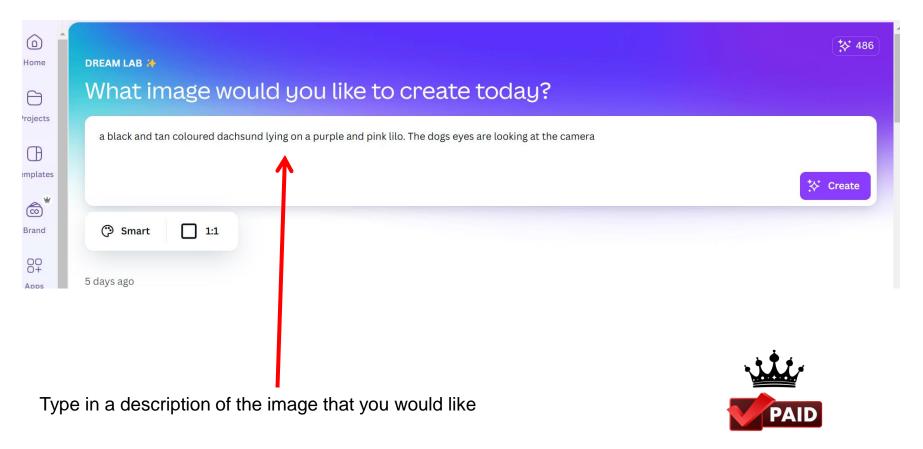


On the home screen left hand menu click on Dreamlab

If you have the free version of Canva and you don't yet see the option, click on this link and you should then have it https://www.canva.com/dream-lab

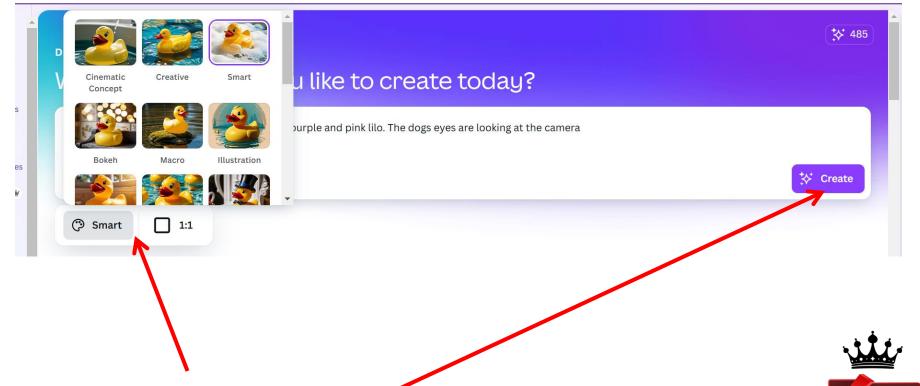


This is a Pro feature
However, free accounts can
use it 20 times for free



This is a Pro feature

However, free accounts can use it 20 times for free



Note – if you click on style you can choose which type of style you want your image to be in

You can also choose the shape – square, portrait or landscape

Then click create

This is a Pro feature

However, free accounts can use it 20 times for free

just now

↑ a black and tan coloured dachsund lying on a purple and pink lilo. The dogs eyes are looking at the camera





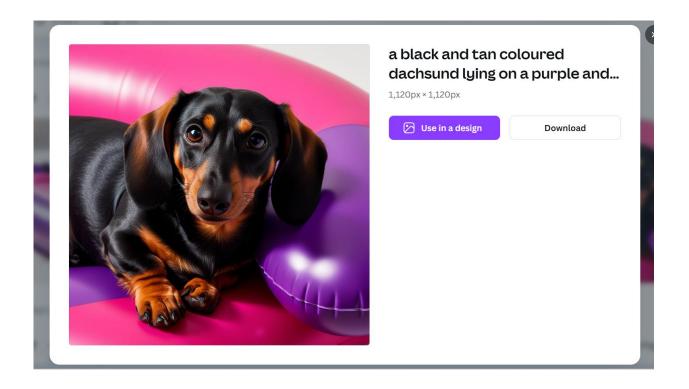






Dreamlab will create 4 images for you

Click on the one you like



You can then either download the image or open it in a design – where you can then add text, graphics, your logo etc. Just like you can with any other image

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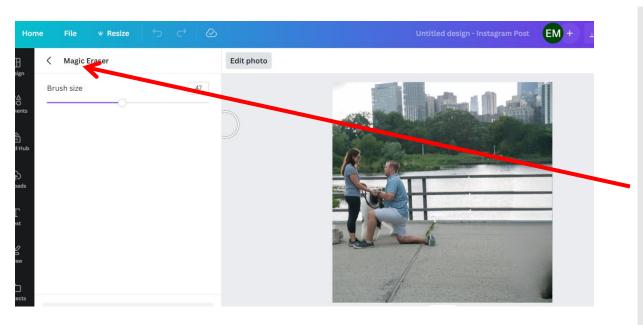
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Canva Magic eraser: Highlight people or objects in an image and it will erase it



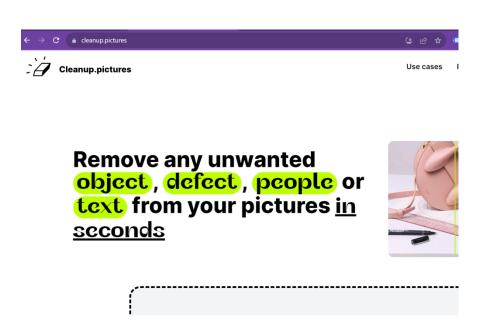
It will now be erased

If you are not happy with the results click reset erasings

Try a larger or smaller brush – depending on how big or small the object is

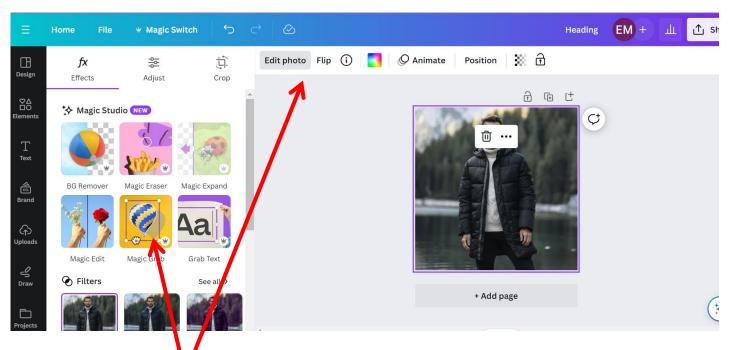
Then click on the arrow to progress

Magic eraser: Highlight people or objects in an image and it will erase it



A free alternative to this eraser tool is the website Cleanup.pictures Click this link to view my demo

Magic grab - isolate and move anything within an image

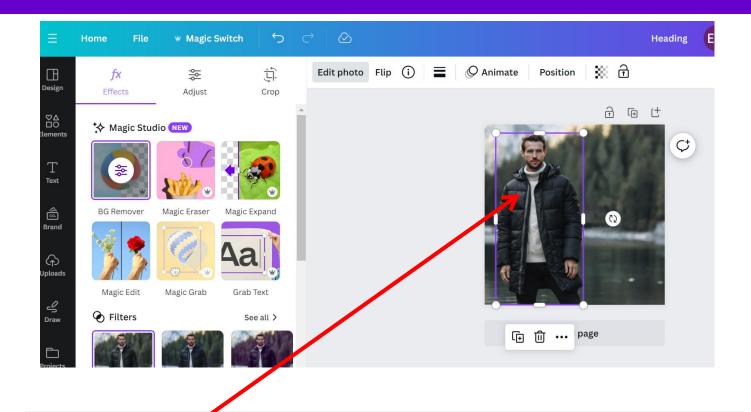


Add your image to your design Click on your image Click edit photo Then click on Magic Grab



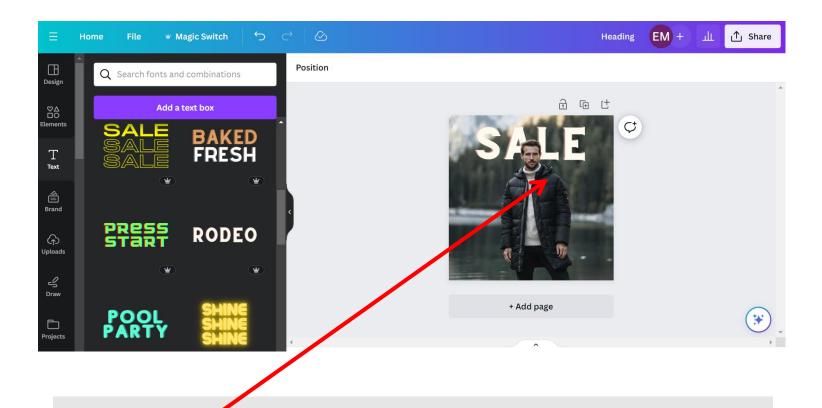
This is a Pro feature
It cannot be used by Free
accounts

Magic grab — isolate and move anything within an image



It then identifies the main element in the image You can then move that element left or right or make it bigger or smaller— ideal if you want to add text beside a person

Magic grab — isolate and move anything within an image

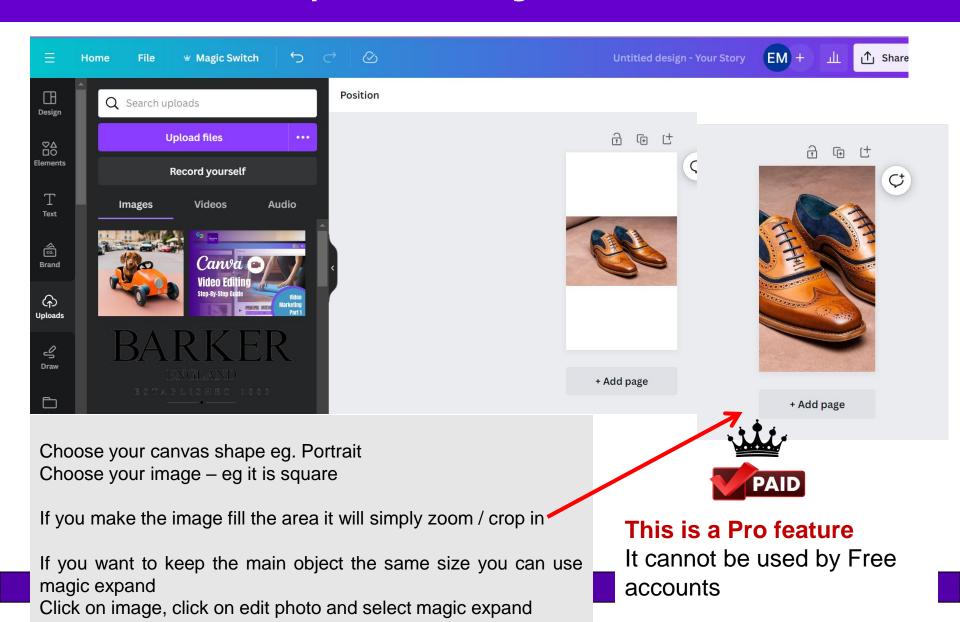


It also means that you can easily place text behind the person or object which is an eye catching effect

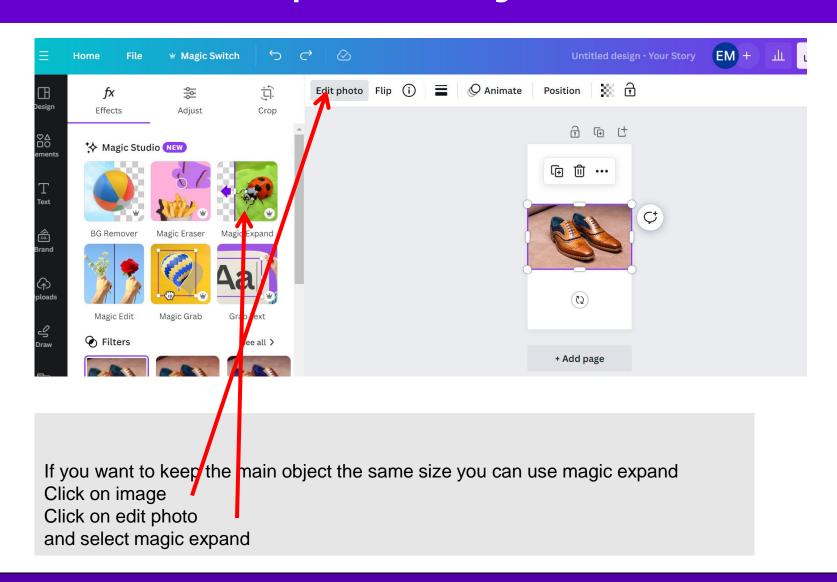
- Add text
- Right click on the text and select layer send backward

Or click on the option for "Position" above the image and then drag the text under the person or object in the list of elements

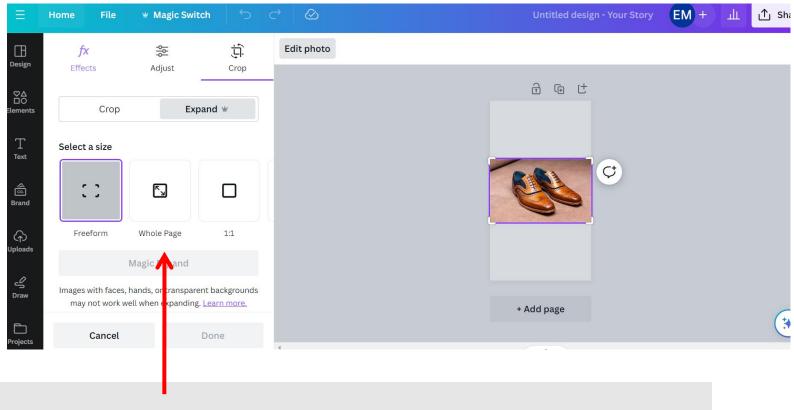
Ask Canva to recreate parts of an image to make it wider or taller



Ask Canva to recreate parts of an image to make it wider or taller

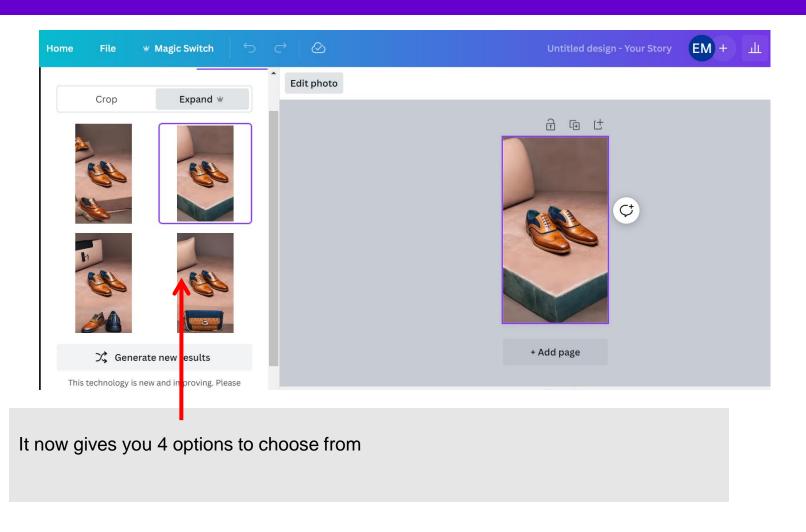


Ask Canva to recreate parts of an image to make it wider or taller

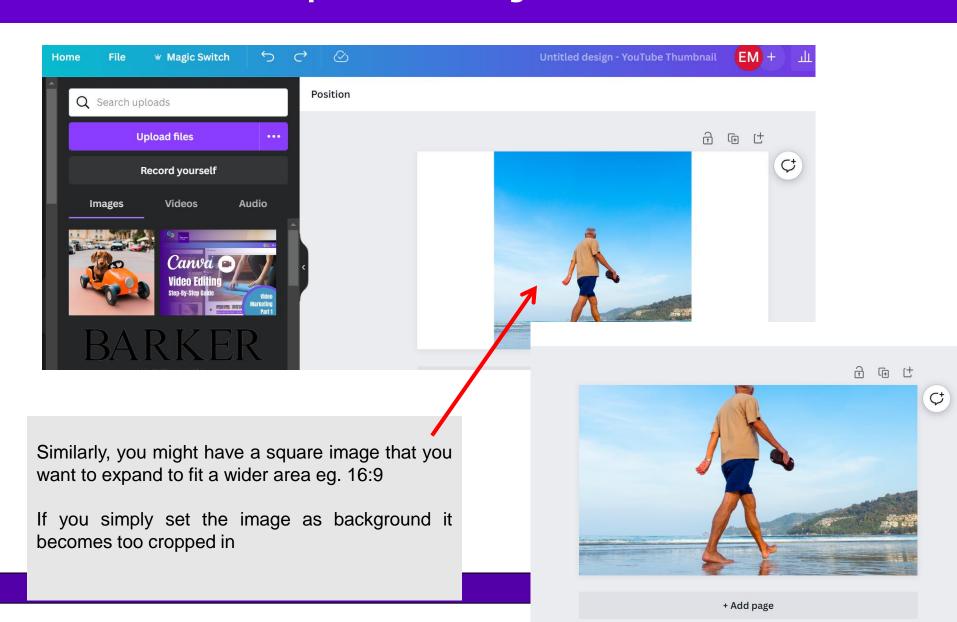


You can now choose whether you want the image to expand to fill the area in page or a different size.

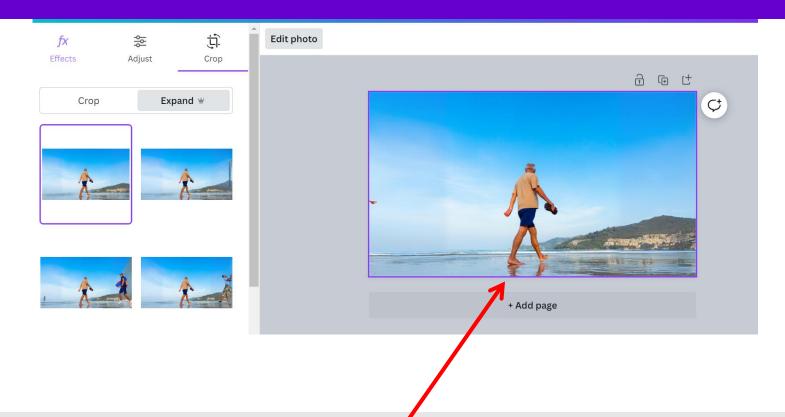
Ask Canva to recreate parts of an image to make it wider or taller



Ask Canva to recreate parts of an image to make it wider or taller

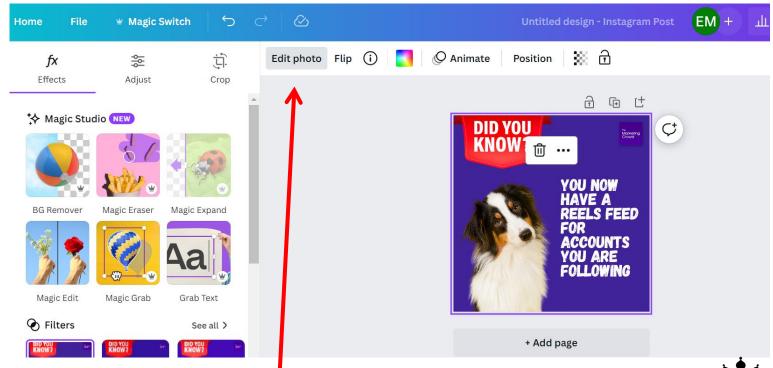


Ask Canva to recreate parts of an image to make it wider or taller



Using magic expand it egg is now a landscape image with everything in proportion

Grab text — isolate and manipulate any text that is in an image



Perhaps you have an image that was designed for you in the past and you now want to reuse it and change some of the text. Normally you cannot edit / change text in an image unless you have the original design file

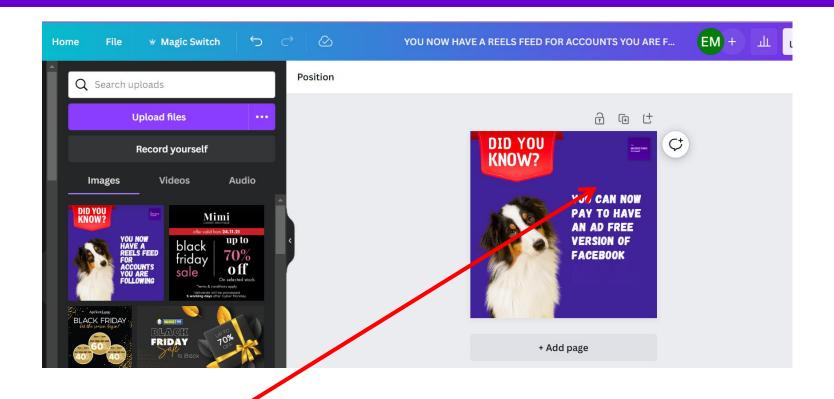
Now with Canva Grab text you can. Click on your image, then click edit photo and then Grab text



This is a Pro feature

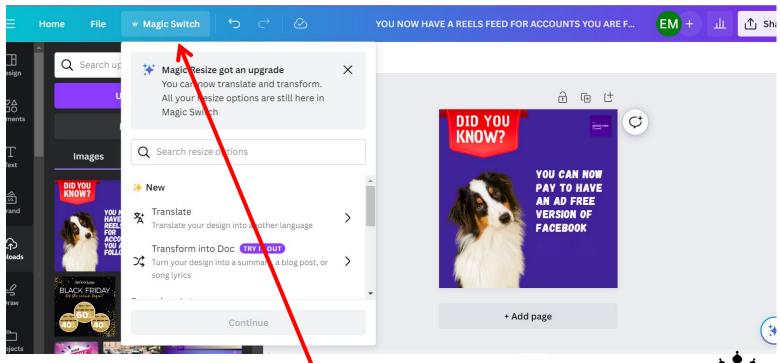
It cannot be used by Free accounts

Grab text – isolate and manipulate any text that is in an image



You can now edit the text boxes, change font, colour etc.

Magic switch – an upgrade to the resize feature for Pro users



- After you create a design you might want a version of it in a different size eg. You want a portrait version for Stories.
- The resize tool has been rebranded as "magic switch" and it has new features such as translate.
- To convert to a story simply choose the option for social media and then story



This is a Pro feature

It cannot be used by Free accounts

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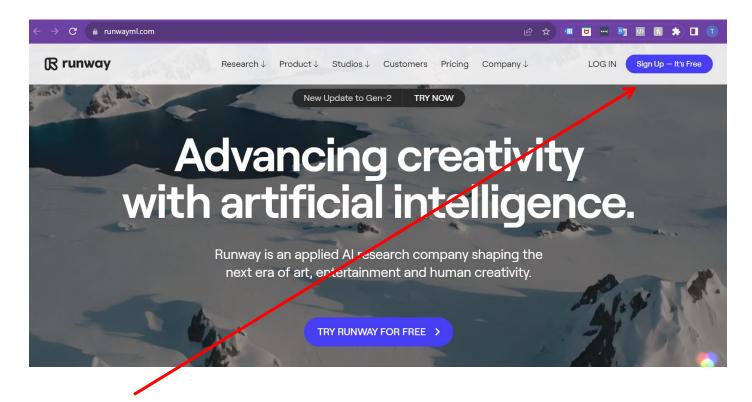
Currently when you are looking for stock videos you would go to Pixabay.com or the video library in Canva

- 1. As these tools become more common and powerful you can easily have short footage videos created that perfectly match what you are trying to convey. You can then overlay these footage videos onto your main video.
- In 2025 video creation tools are very likely to be incorporated directly into TikTok and Reels and so as you are about to create a video you can customise your own videos

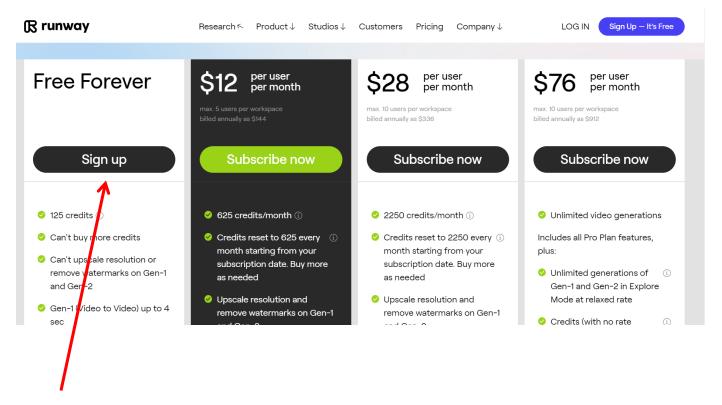


Runway is the leading AI video creation tool and I would definitely use this rather than Canva

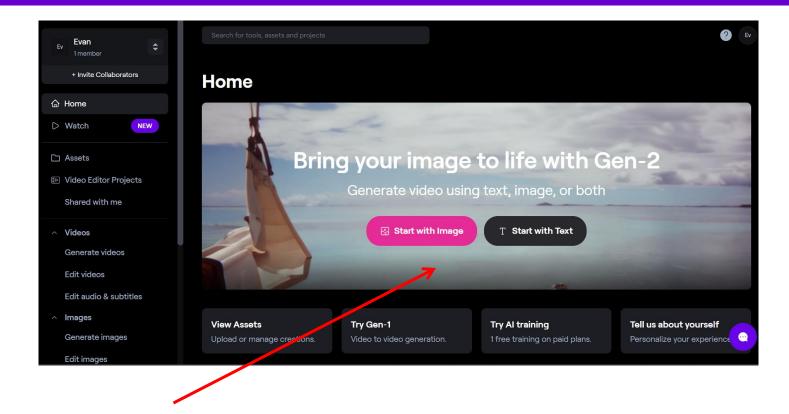
You receive free credits to try making videos using Runway



Go to runwayml.com or search for Runway ML in Google Sign up for a free account and you will be able to test their tools for free Then login

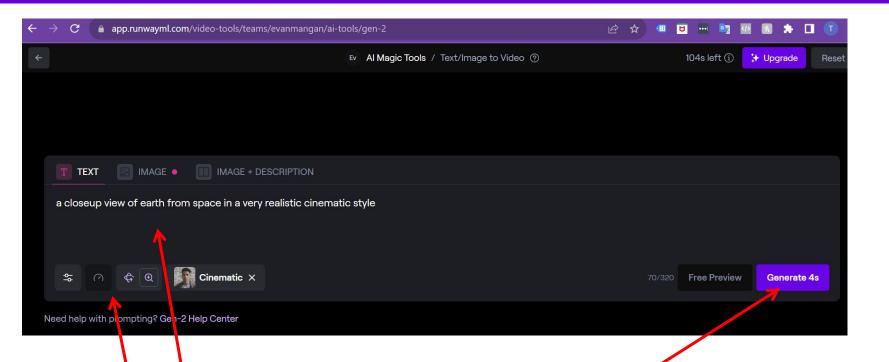


With the free account you receive 125 credits This gives you approx 6 four second videos



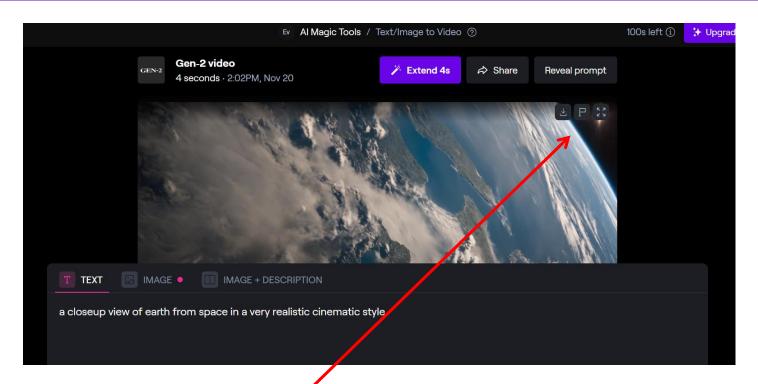
You can create a video based on an image or based on a text prompt

Note – you have 125 free credits. Each second of a video uses 5 credits



Write a detailed prompt. Start with what you want to see and then add detail about style eg. Cinematic or 3 d cartoon

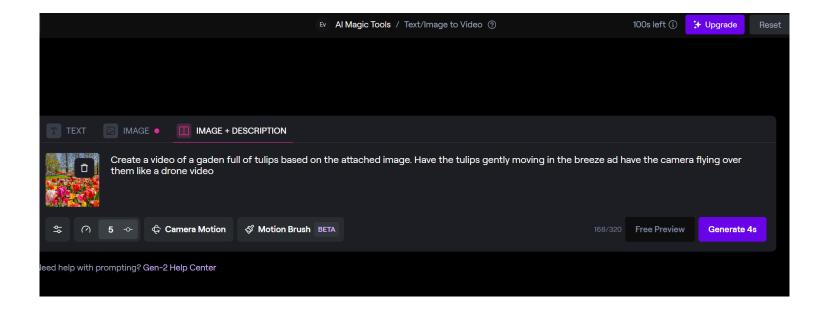
You can choose to have the camera pan or zoom in your video. You can also specify the style from a drop down. Also try free preview and it might show you a free image before generating the video (depending on how busy the servers are)



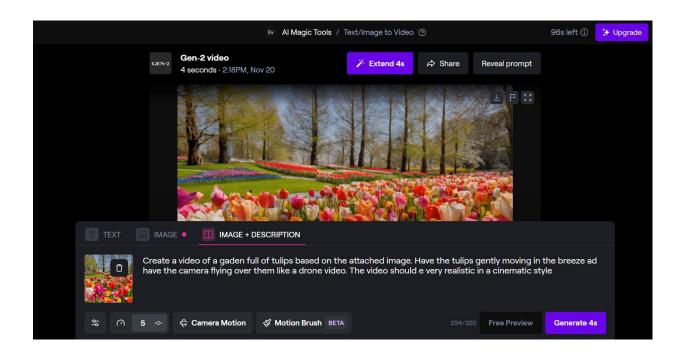
It creates a 4 second video within a minute or two

You can expand to view the video full screen

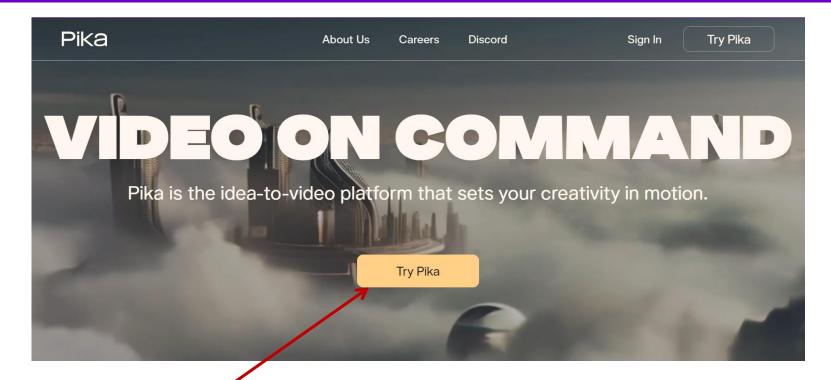
You can download your video



You can also create a video based on an image and text prompt Select the option for create video based on image Attach the image Add your detailed text prompt



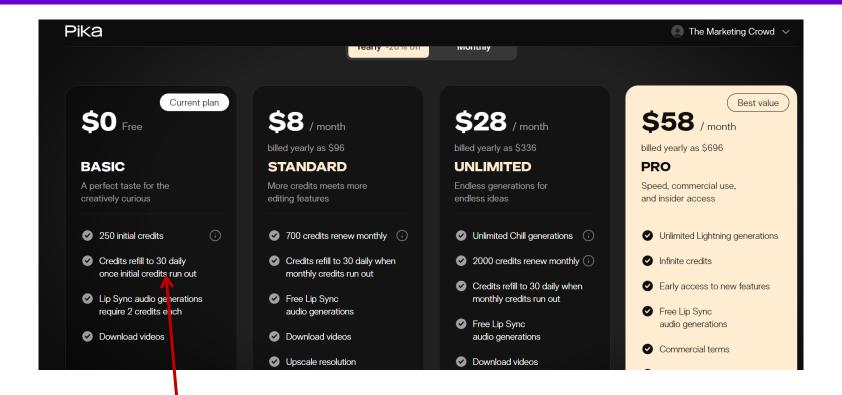
Your video will be created and you can download it.



Go to https://pika.art/hop

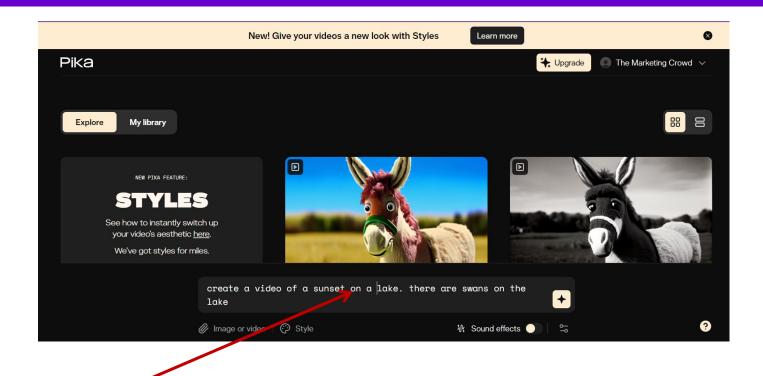
Sign up for a free account

Pika



You can use the free plan

Pika



Type in your prompt and hit enter

Sora – from Open AI



Currently not available in Ireland but will be part of the Plus plan when it rolls out int he coming months.

You can see examples of what it creates here https://openai.com/sora

The pace at which AI tools are improving is very fast





This is the difference between an image created using Dalle 2 and Dalle 3 – the difference was just a few months

Video, Voice and Avatar creation will improve hugely over the next 12 months

The pace at which AI tools are improving is very fast





Al videos were VERY basic 12 months ago

Sora videos now look very high quality

CapCut Video editor



Almost 1 billion users use CapCut on mobile and desktop

It is made by Bytedance - the same company that owns TikTok so there is a lot of integration with TikTok

You can use the editor for free and there won't be a watermark on your video

However, they have lots of Pro features and to use those you would need to buy a license

A license is similar to Canva and tends to be between €9 or €11 a month (it can change depending on offers)

There are 2 desktop versions



CapCut offers two distinct versions: an online editor accessible via web browsers and desktop software that can be downloaded for Windows and Mac.

1. Desktop software

If you have ever used Filmora or Final cut pro, this is the equivalent. You install the software on your device and then you do all of the editing on your PC, Laptop or Mac.

2. Online editor in a web browser

If you have used Canva for editing videos, this is similar but a lot more powerful. However, it is similar in that all the editing is done in the browser. You upload your files to the CapCut server and edit them online

There are 2 desktop versions – Downloadable desktop software



CapCut downloadable software

Performance: Generally offers better performance for handling larger longer videos eg. 30 mins to 2 hours. Plus it is better at more complex edits (many videos with overlays, text, effects) due to the power of local hardware compared editing up in cloud. Also, it is not dependant on good broadband.

Offline Editing: Unlike the online version, users can edit offline, which is important for those with unstable internet connections

Advanced Features: The desktop version includes more sophisticated editing capabilities, such as multilayer editing and advanced audio tools

There are 2 desktop versions – Online editor



CapCut Online Web Editor

Accessibility: The online version is browser-based, allowing users to edit videos from any device with internet access without needing to download software.

Pick up where you left off on another device – if you start editing on one device you can continue on another – because it is all saved on the cloud (like Canva)

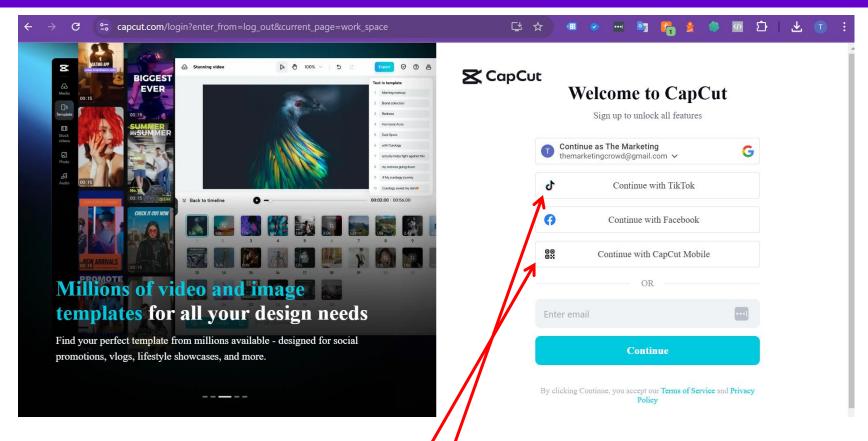
Cloud Storage: Projects are automatically saved in CapCut's secure cloud, providing easy access and collaboration without consuming local storage space

Collaboration Features: The online platform supports teamwork by enabling multiple users to work on a project simultaneously, eliminating the need for file exchanges

Features: There might be less features than the software version but in my opinion it has everything most business people need to make marketing videos

Plus there are some excellent useful features in the web version

How to get started

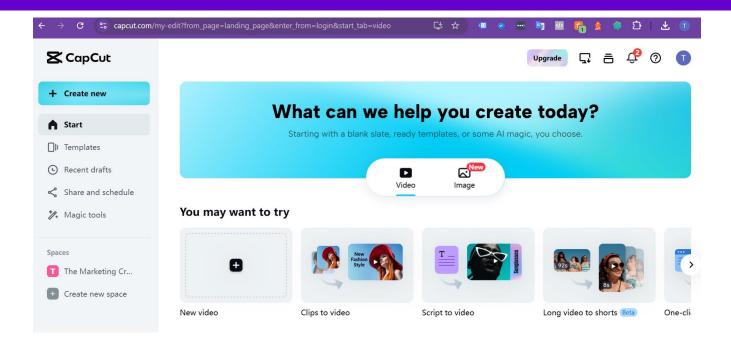


Go to capcut.com on your browser.

You should then create an account.

- 1. Got a CapCut account on mobile? Select this option and follow instructions.
- 2. Got a TikTok account? You can login using that
- 3. Or create an account by logging in with your Gmail

How to get started – Home screen



This is your Home screen.

Create New – Click this to start editing a new video

Start – This is the equivalent of Home

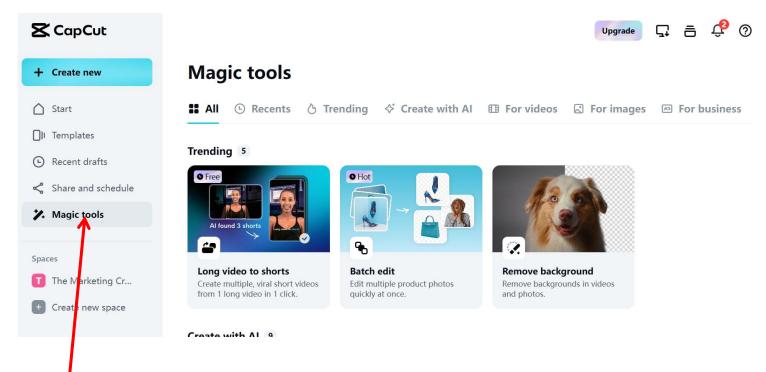
Templates – browse though their templates and simply add your images / videos

Recent drafts – all your previous video projects live here. You can go back and continue editing them

Share / schedule – people (collaborators) can share video projects with you

Magic tools – they have LOTS of Al tools. They all live here

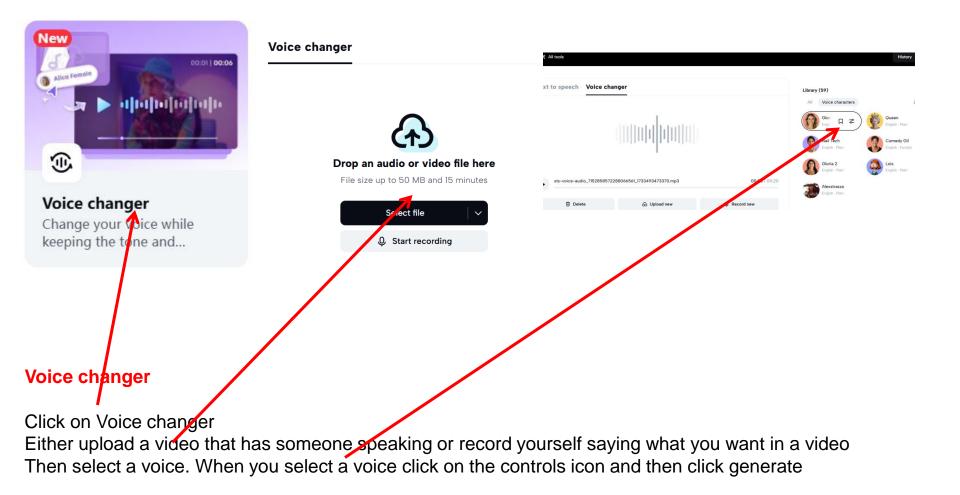
Spaces – You are given 5gb of storage for free. Your videos take up this storage. If you exceed this you would need to delete files or upgrade for 100gb of storage in the Pro plan



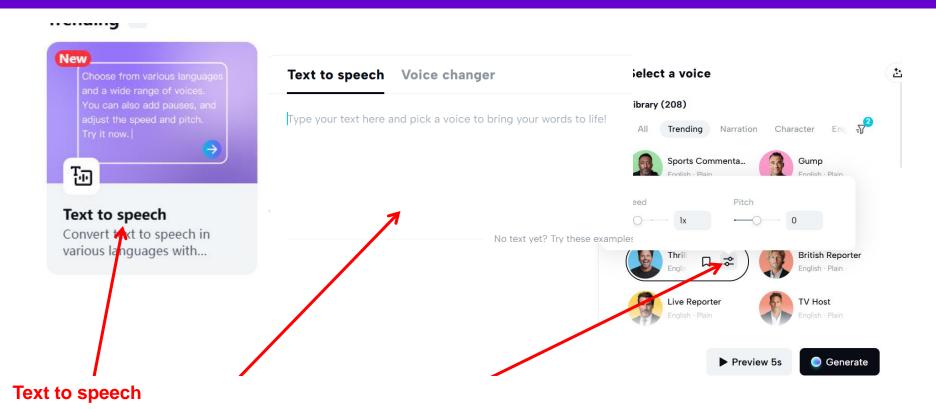
The Al tooks are in the Magic tools section

Go to capout.com
Then click on magic tools

You can now browse though their AI tools for video editing and image editing



You can then download this as an audio file. You could then import this audio file into a video project and use is as a voiceover on your video and match the video clips or images to it.

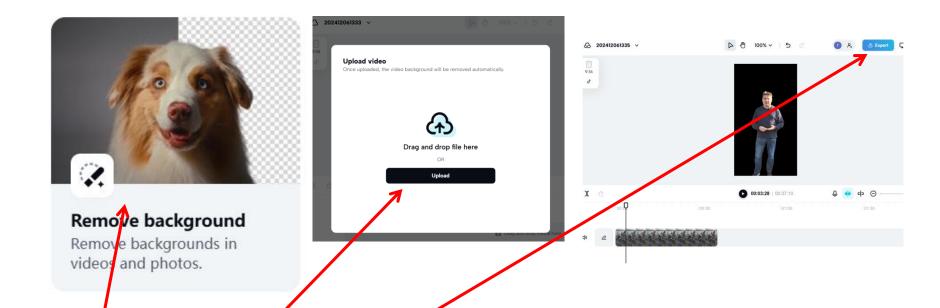


Click on text to speech

Paste in or type what you want said

Then select a voice. When you select a voice click on the controls icon and then click generate

You can then download this as an audio file. You could then import this audio file into a video project and use it as a voiceover on your video and match the video clips or images to it.



Remove the background from a video

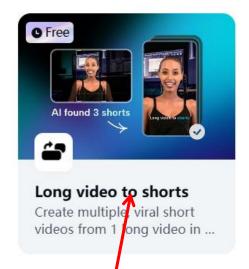
Click on Remove background

Upload your video

Your video will now have the background removed

You can edit out parts you do not want

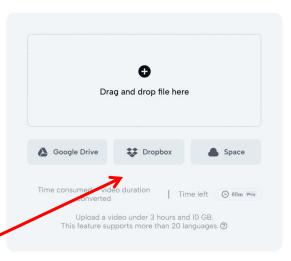
Click export to save this final video that doesn't' have a background. You can then use this in future videos



1 long, multiple shorts: Viral videos in a snap.

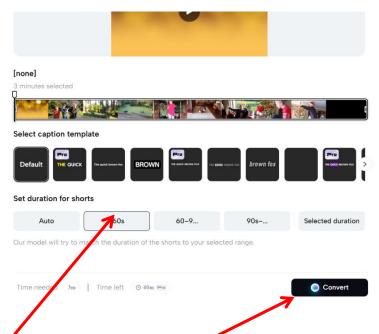
You can convert 60 minutes of long videos to shorts for free every month. **Join Pro** to get 240 extra minutes per month.





Long videos to shorts – the Ai will scan your long video, identify the best bits and turn it into multiple short videos that you can share on social media

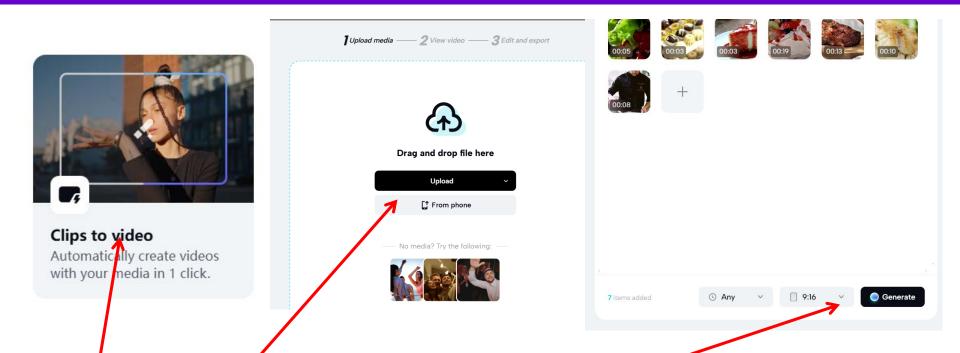
- Click Long video to shorte
- 2. Upload your video



You can then choose what length you want the videos to be You can also choose whether you want captions and if so what type

Then click generate

It will then show you the videos and you can download them



Clips to video - the Ai will edit your videos or images with eye catching effects

Click on Clips to video Upload your clips / images Then choose your video shape eg. 9:16 Click generate

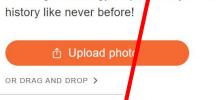
If you like the video click export

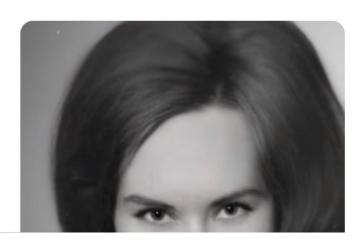
Deep Nostalgia - Turn an old photo into a video





Animate the faces in your family photos with amazing technology. Experience your family history like never before!





Do a Google search for "Deep Nostalgia My Heritage" and click on the result Create a free account Upload an image of a person The Al will then bring the photo to life.

What we will cover

AI tools to generate Avatars

Synthesia.io

AI Voice generation tools

11 labs - for AI voice overs

How can AI video avatars impact your digital marketing?



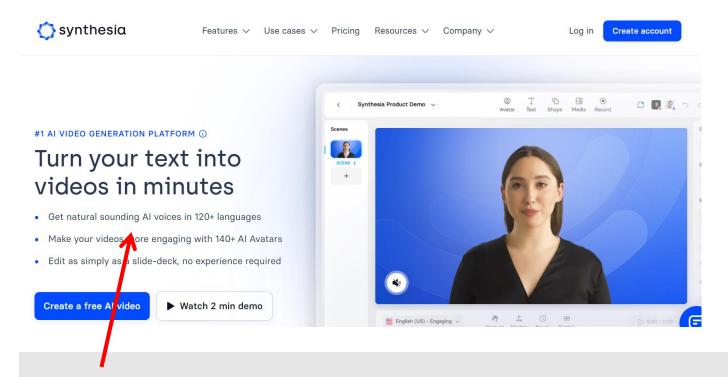
Perhaps you want to make ...

- Educational / training videos
- Customer service videos explaining how your product works.
- Website videos that explain how your product works

Currently if you want a person speaking in your video you need have all of the equipment and then shoot the video, including lots of takes

With an AI video Avatar you can choose the person that you would like to speak in your video and provide the text. That AI person will then speak it in the video – no need for recording equipment etc.

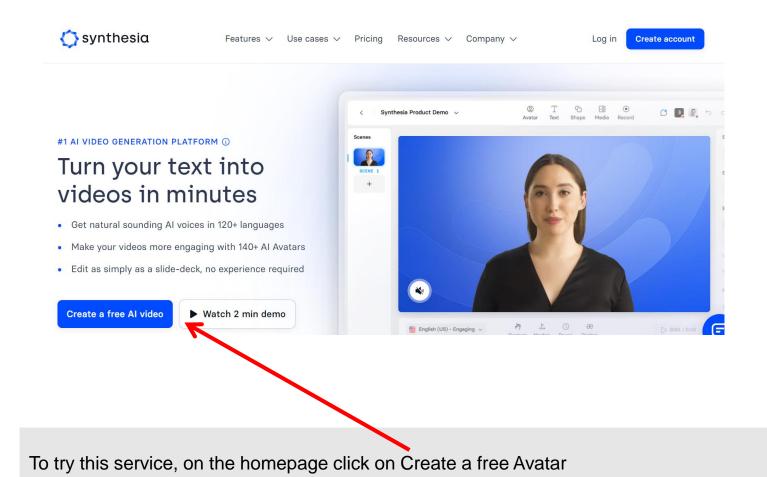
The person can also speak it in any language you want.

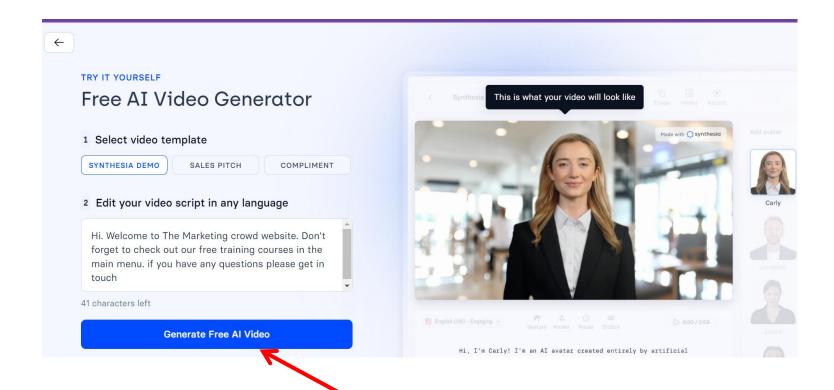


Would you like someone speaking in your video but you don't want to hire someone or even shoot the video? You can have an Al person (avatar) say what you want in a video

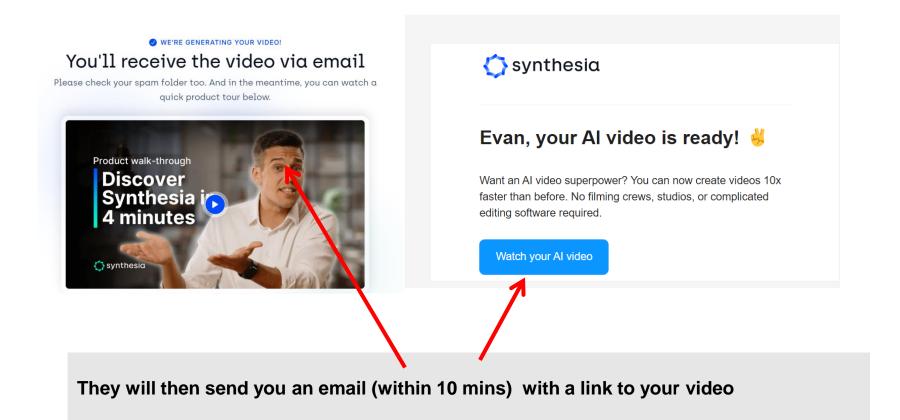
Search for Synthesia.io or click on this link https://www.synthesia.io/

Signup for a free account and then sign in





Type in the text that you would like the Avatar to speak Click generate free AI video It will then ask you to filling your name and email address

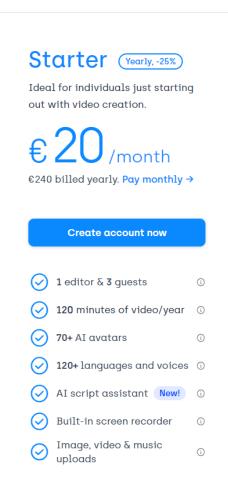






Click this link to view the sample video https://share.synthesia.io/914b6cd6-d476-4a5c-9cf1-03005f338818

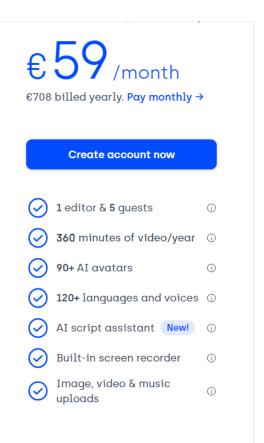
Click this link to view the sample video https://share.synthesia.io/5141d1e1-a4bc-4238-95d2-ac6acb1eb403



They have 140 avatars to choose from They have over 120 voices and accents

So, if you wanted to use an Avatar in your marketing videos, for \$20 a month you can have 2 hours of video a year

For \$59 / mth you get 6 hours of video







What is a custom avatar?

A custom avatar is a realistic digital version of yourself. Designed in the same style as our stock avatars, they capture your unique likeness. With custom avatars, you can create personalized videos in 120+ languages.

Synthesia also provides the technology to create a Custom Avatar based on your self

https://www.synthesia.io/features/custom-avatar

See an example in this YouTube video

https://youtu.be/9YrYF0wpisg?si=zbS5MtQCL1wwW37c&t=244

GET STARTED

Which custom avatar is right for you?

Webcam Al Avatar	Studio Al Avatar
A cost effective solution	Professional-quality avatar
Record from your laptop	Upload studio recordings
720p max. resolution	1080p max. resolution
Chest up framing	Choice of framing
1 free avatar in Starter plan (annual)	Paid add-on feature
Ready in 5 business days	Ready in 10 business days

- 1. You can create an Avatar of yourself by providing some footage using your web cam
- You get one Avatar of yourself with the Starter plan (\$20 a month)
- However, you cannot add your own cloned voice to this an Ai voice will be used.
- 2. You can provide a professional studio quality video (you need to provide this)
- Only available on the enterprise plan. Estimated at €1000
- You can add your cloned voice to this

What we will cover

AI tools to generate Avatars Synthesia.io

AI Voice generation tools

11 labs - for AI voice overs

How can AI voices impact your digital marketing?



I think AI Voice creation will lag behind image and video generation but you will start hearing more about it.

1. If you want a professional voiceover for a video

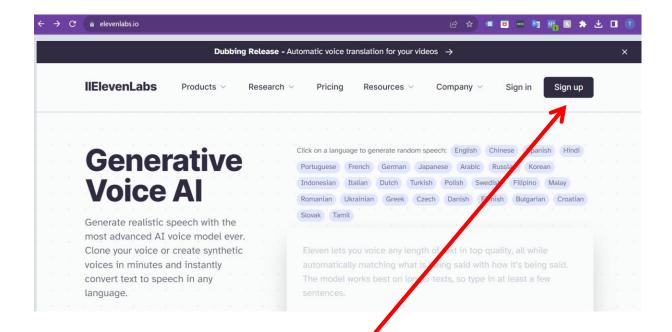
Currently you would either record your own voice and add it as a voiceover in a video or your would commission a voice over artist.

With either of these you would need to re record it in a foreign language if you wanted to

With AI voices you can simply choose a voice that you like, type what you want and it will say it. You can add it to your video

And if you want that voice saying it in a different language it will translate it and say it in any language you want. .

Eleven Labs – Create AI voiceovers



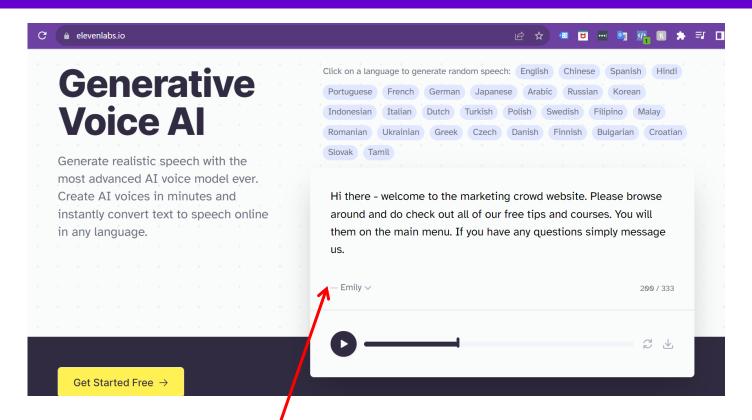
Do you want to generate a professional voiceover for a video?

Or would you like to clone your own voice?

Search for Elevenlabs.io or click on this link https://elevenlabs.io/

Signup for a free account and then sign in

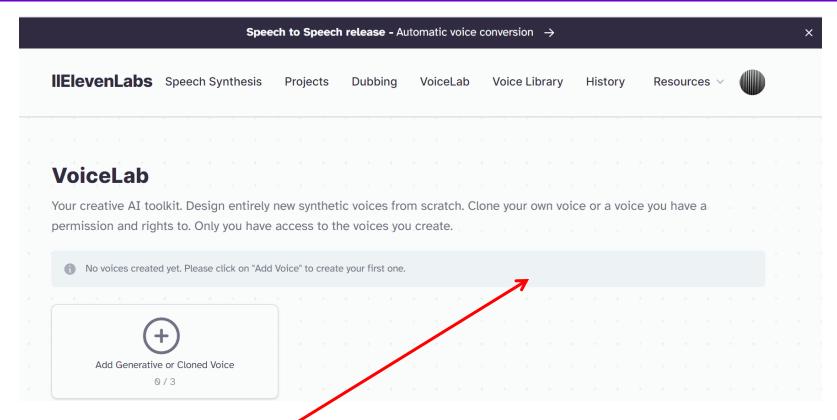
Eleven Labs – Create an AI voiceover



On the homepage you can get a feel for what their AI voices could do for you in terms of a voiceover

- Choose your language
- Type what you would like said
- 3. Then choose a voice from the dropdown and click play.

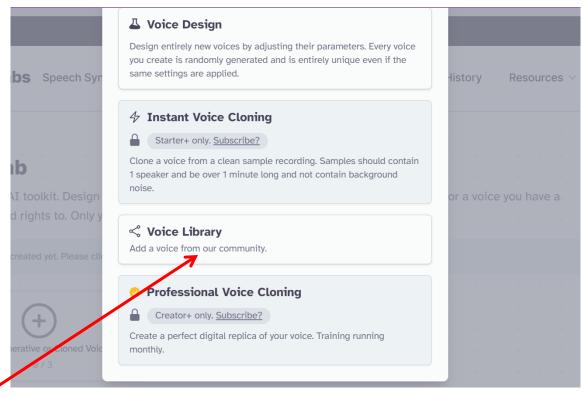
Eleven Labs – Create AI voiceovers



To create a free voiceover When you are logged in click on Voice Lab Click on the +

(note – your free plan allows you to create a voiceover using 10,000 characters per month)

Eleven Labs – Create AI voiceovers

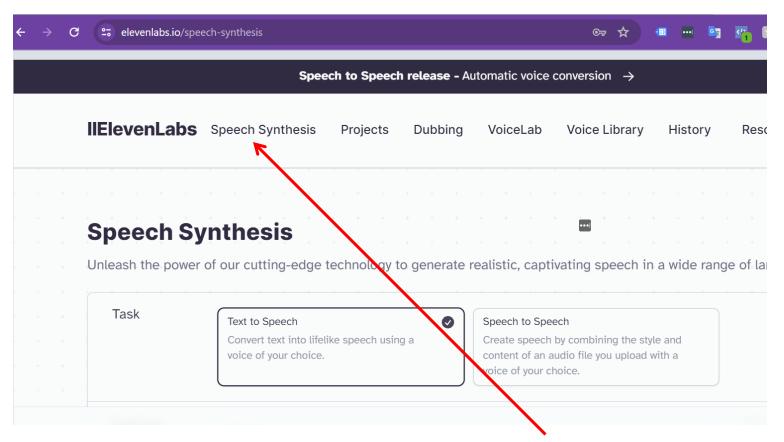


If you are on the free plan you can browse the voice library and create a voice over based on their Al voices

However, you cannot clone your voice using the free plan.

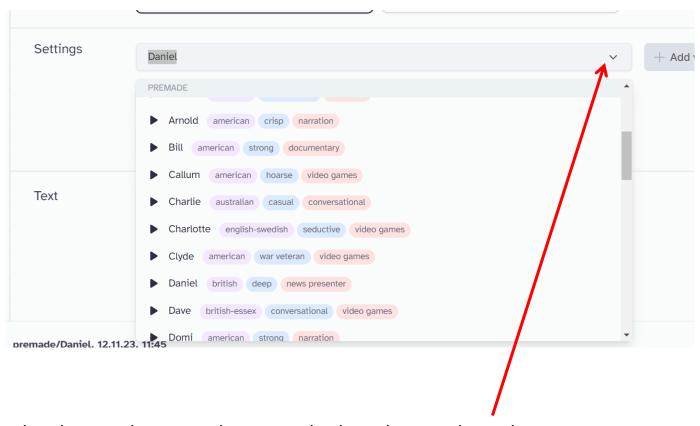
The Starter + plan is \$5 a month and you can clone your voice and use it for 40,000 character a month

Eleven Labs — How to create an AI voice over



In order to create a Voiceover, login to your account and click Speech Synthesis

Eleven Labs — How to create an AI voice over



Click the dropdown and you can choose a voice based on gender and country

Eleven Labs — How to create an AI voice over

