

# MIDJOURNEY: MAKING ART WITH AI

WITH YOUR TEACHER, JENN



\*Most images in this talk were created with Midjourney.  
The prompts used are shown on each slide.

*<link to uploaded Jenn headshot> woman in front of a blank  
chalkboard --niji 5 --style cute*



# AGENDA

What is Midjourney?  
Getting Started  
Prompting Basics  
Group Exercise  
Discussion: Responsible Use

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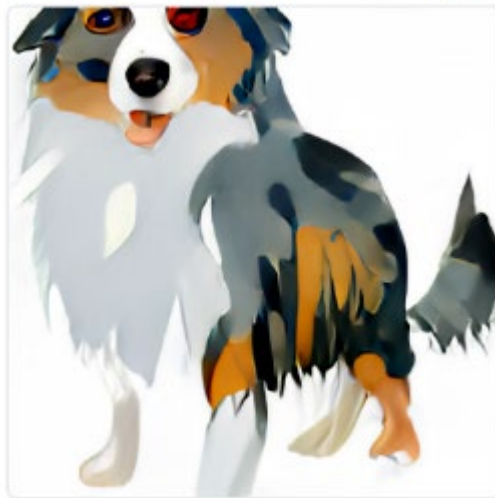
Midjourney.com  
NLP prompts -> images



Bing (DALL-E)

Midjourney

*a blue merle australian shepherd dog in cartoon style*



Crayon (DALL-E mini)

# LAION-5B: A NEW ERA OF OPEN LARGE-SCALE MULTI- MODAL DATASETS

by: Romain Beaumont, 31 Mar, 2022

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We present a dataset of 5,85 billion CLIP-filtered image-text pairs, 14x bigger than LAION-400M, previously the biggest openly accessible image-text dataset in the world - see also our [NeurIPS2022 paper](#)

*Authors: Christoph Schuhmann, Richard Vencu, Romain Beaumont, Theo Coombes, Cade Gordon, Aarush Katta, Robert Kaczmarczyk, Jenia Jitsev*



Breed Focus: The Australian Shepherd



cão pastor australiano



Adorable Australian Shepherd



Les chiens préférés des français 2018 : grand zoom...



A closeup of an Australian Shepherd.



Австралійська овчарка (Аусспі)



آشنایی با خصوصیات سگ های مرل چشم آبی



Pastore australiano tra le razze di cani più sane.



Фото Собаки Австралийская овчарка Бег



Preview Miniature Australian Shepherd

# Have I Been Trained?

🔍 Enter text or upload an image...



Search 5.8 billion images used to train popular AI art models

**Over 1 billion images opted out, and counting**

AI organizations, use our [API](#) to respect opt-outs in your models

haveibeen trained.com



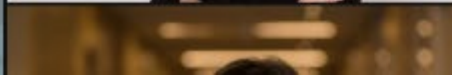
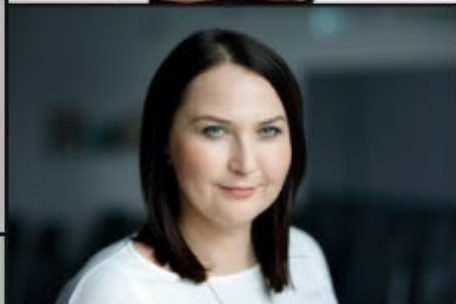


🔍 Enter text or upload an image...



The top result has 87% similarity with the searched image

**SIGN IN** to opt into or out of AI Art systems with Spawning.



## Appendix (LAION-5B: An open large-scale dataset for training next generation image-text models)

### A Datasheet for LAION-5B dataset

#### A.1 Motivation

Q1 For what purpose was the dataset created? Was there a specific task in mind? Was there a specific gap that needed to be filled? Please provide a description.

- LAION-5B was created as an open solution to training very large multimodal models such as CLIP or DALL-E. Before the curation of this dataset, the closest in size was YFCC with 100 million image/videos and associated metadata. OpenAI previously used a 15 million sample subset to train a publicly comparable CLIP model, but that pales in comparison to the private 400 million sample dataset they used to train the high-performant CLIP models. At the time of writing this, the ImageNet-1k zero-shot top-1 state-of-the-art, Google's BASIC, used a dataset of 6.6 billion image-text pairs. With the release of LAION-5B, researchers no longer have to be part of a few selected institutions to study these problems.

Q2 Who created the dataset (e.g., which team, research group) and on behalf of which entity (e.g., company, institution, organization)?

- This dataset is presented by LAION (Large-scale Artificial Intelligence Open Network), a non-profit research organization aiming to democratize access to large-scale open datasets and powerful machine learning models through the research and development of open-source resources. The communication and organization of this project took place on the open LAION discord server <sup>18</sup>.

Q3 Who funded the creation of the dataset? If there is an associated grant, please provide the name of the grantor and the grant name and number.

- This work was sponsored by Hugging Face and Stability AI.

Q4 Any other comments?

- No.

#### A.2 Composition

Q5 What do the instances that comprise the dataset represent (e.g., documents, photos, people, countries)? Are there multiple types of instances (e.g., movies, users, and ratings; people and interactions between them; nodes and edges)? Please provide a description.

- We provide 5.8 billion image-text pairs. Each pair consists of the following: an image file url; text caption; width; height; the caption's language; cosine similarity (CLIP ViT/B-32 for English and MCLIP for multiple and unknown languages); the probability of the image containing a watermark; the probability of a sample being NSFW. We made our models

For more on Datasheets for Datasets, see [arxiv.org/pdf/1803.09010.pdf](https://arxiv.org/pdf/1803.09010.pdf)

<sup>18</sup><https://discord.gg/xBPBXkFHD>



*vibrant california poppies*



--v 5.1

--v 5.1 --style raw



--v 5.1

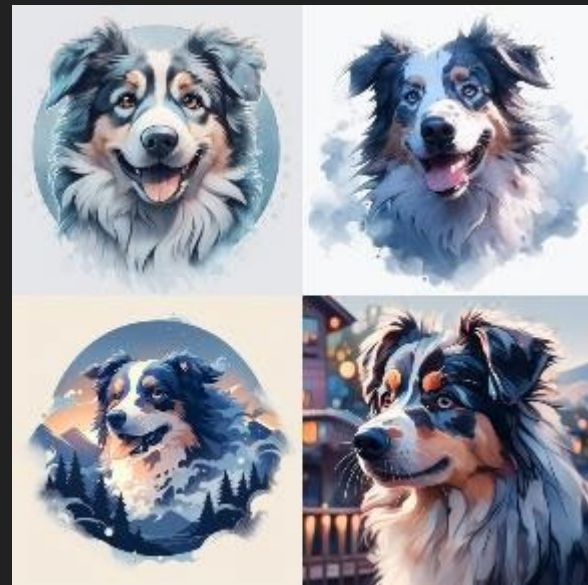
--niji 5



--niji 5 --style cute



--niji 5 --style expressive



--niji 5 --style scenic



*photography shot through an outdoor window of a coffee shop with neon sign lighting, window glares and reflections, depth of field, grandpa in a suit with a cup of coffee in his hands sitting at a table, portrait, kodak portra 800, 105 mm fl. 8 --ar 2:1--v 5 (Julie Wieland)*



*felted kittens in candyland (waxsyn)*



*chinese dragon, its body a burst of radiant hues, spirals through a dreamscape of psychedelic galaxies (Genghis Vagr)*



*charming hidden fantasy square, bohemian paradise, elevated walkways connecting buildings like tree branches (benswiss)*



# TAKING YOUR FIRST STEPS



*black and white photograph, first steps --ar 2:1*



js



Midjourney

Public

Home **BETA**

Search



Home



Channels &amp; Roles



INFO

announcements

recent-changes



status

rules

# getting-started



# micro-polls



SUPPORT

# trial-support



# member-support



NEWCOMER ROOMS 3

# newbies-129



NEWCOMER ROOMS 3

1 NEW MENTION

jenniferga...  
jennifergardy...

## Midjourney

The official server for Midjourney, a text to image AI where your imagination is the only limit.

1,462,254 Online • 15,781,126 Members

## Active Now



# /imagine

Many recent mess...



# general-1

Many recent mess...



# general-20

Many recent mess...



# general-11

Many recent mess...

## Your Highlights

prompt-faqs · Featured by moderators



Two Subjects (Remix)



Tutorial



clarinet 05/15/2023 4:49 PM

**Advanced users can experiment with remix to get two distinct subjects using this five-step ...**[See more](#)



Midjourney

prompt-faqs



Search



# getting-started

# micro-polls



Search



New Post

js

SUPPORT

# trial-support

# member-support



NEWCOMER ROOMS 3

# newbies-129

NEWCOMER ROOMS 4

# newbies-159

# newbies-189

CHAT

# discussion

# prompt-chat

COMMUNITY FORUMS

prompt-faqs



SHOWCASE

# paintovers

1 NEW MENTION

jenniferga...  
jennifergardy...

Sort &amp; View

Article

Tutorial

Command

Challenge


Library

Other

All

Tutorial

## Control Camera

clarinet: Here are phrases to add to your prompt that MIGHT help change the camera zoom and angle. Use a  slider to help it



315



76

9h ago



Article

Tutorial

## Puppeteering (consistent characters)

clarinet: ? Q - Can I use the same character in different scenes? Puppets? Puppeteering?



114




11

19h ago

Tutorial

## Create Centaurs

clarinet: ? Q - How do I make a centaur, specifically? Woe, ye who enter here!  If you're working in --v 5

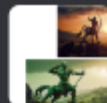


35



17

20h ago



Tutorial

## Fix Cropping Issues

clarinet: Things that might help fight cropping issues: • Say that the background is tall, wide, big, etc. • Say that the subject is small compared



29



14

20h ago



jennifergardy's server



# general



Search



TEXT CHANNELS



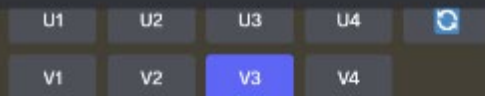
# general



VOICE CHANNELS




General

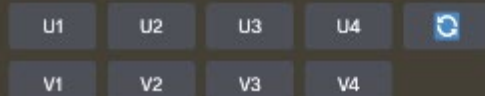


 **Midjourney Bot**  a calm, relaxing, zen oasis, watercolor style - [@jennifergardy](#) (Open on website for full quality) (fast) 



**Midjourney Bot**  Today at 2:35 PM

a calm, relaxing, zen oasis, watercolor style - Variations by [@jennifergardy](#) (Open on website for full quality) (fast)



# 5: Use the /imagine Command

## About Discord Commands

Interact with the Midjourney Bot on Discord using a [Command](#). Commands are used to create images, change default settings, monitor user info, and perform other helpful tasks.

The `/imagine` command generates a unique image from a short text description (known as a Prompt).

Respect the [Community Guidelines](#). Community guidelines apply wherever the Midjourney Bot is used.

## Using /imagine

1. Type `/imagine prompt:` or select the `/imagine` command from the slash commands pop-up.
2. Type a description of the image you want to create in the `prompt` field.
3. Send your message.

`prompt` The prompt to imagine



`/imagine`

`prompt`

vibrant California poppies



Midjourney Bot ✓ BOT Today at 2:49 PM

a cartoon style blue merle australian shepherd catching a frisbee - @jennifergardy (fast)



U1

U2

U3

U4

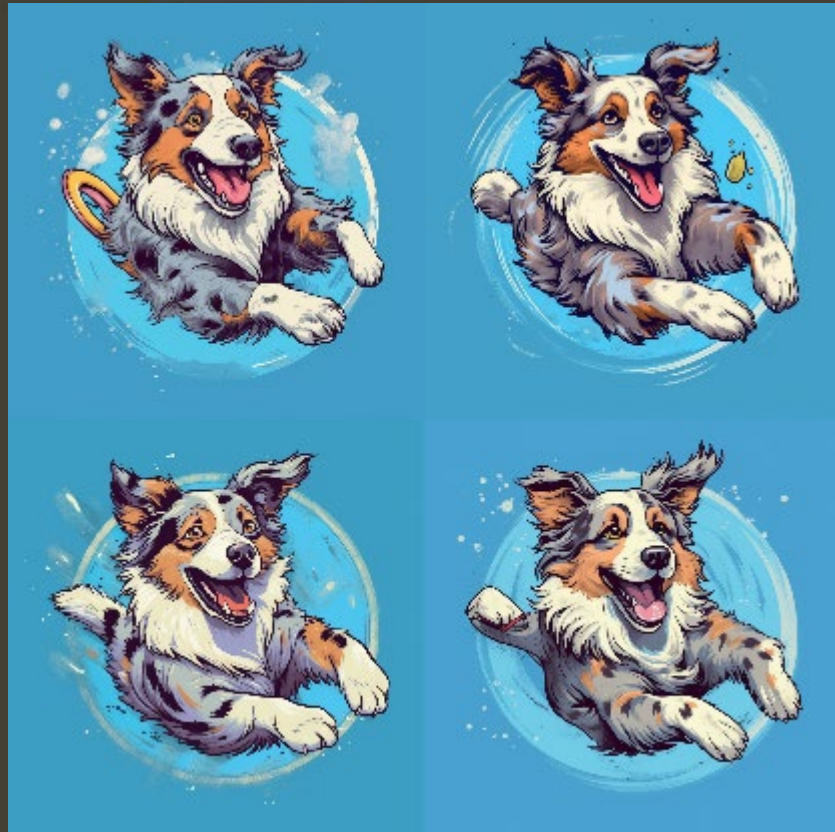


V1

V2

V3

V4



Live demo!

Our first

image!

/imagine prompt description of what to imagine

/imagine prompt URL1 URL 2 what to imagine --parameter1 value --parameter2 value



- Single words work, but descriptive text is better:
  - Subject: person, animal, character, location, object, etc.
  - Medium: photo, painting, illustration, sculpture, doodle, tapestry, etc.
  - Environment: indoors, outdoors, on the moon, in Narnia, underwater, the Emerald City, etc.
  - Lighting: soft, ambient, overcast, neon, studio lights, etc
  - Color: vibrant, muted, bright, monochromatic, colorful, black and white, pastel, etc.
  - Mood: Sedate, calm, raucous, energetic, etc.
  - Composition: Portrait, headshot, closeup, birds-eye view, etc.
- Word choice matters - try 'enormous' instead of 'big'
- Specify quantity - 'three cats' instead of 'cats'
- Use collective nouns - 'flock of birds' instead of 'birds'

**Block Print**



**Folk Art**



**Cyanotype**



**Graffiti**



**Paint-by-Numbers**



**Risograph**



**Ukiyo-e**



**Pencil Sketch**



**Watercolor**



**Pixel Art**



**Blacklight Painting**



**Cross Stitch**



**Life Drawing**



**Continuous Line**



**Loose Gestural**



**Blind Contour**



**Value Study**



**Charcoal Sketch**



1700s



1800s



1900s



1910s



1920s



1930s



1940s



1950s



1960s



1970s



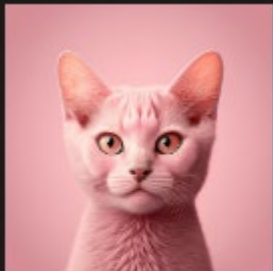
1980s



1990s



**Millennial Pink**



**Acid Green**



**Desaturated**



**Canary Yellow**



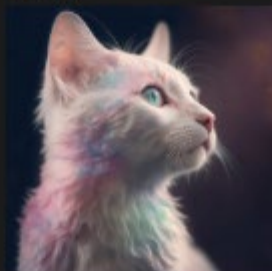
**Peach**



**Two Toned**



**Pastel**



**Mauve**



**Ebony**



**Neutral**



**Day Glo**



**Green Tinted**



- --ar or --aspect: aspect ratio (default: 1:1)
- --chaos <0-100>: increase for more weirdness (default: 0)
- --no <something>: do not include the something
- --tile: create repeating tile

*a flock of multicolored birds in the style of salvador dali*



*--chaos 0*



*--chaos 100*



*--tile*





# Group Exercise

*a conference audience watching a speaker give a presentation,  
in a cartoon style, muted colors*



Go to [menti.com](https://menti.com) and use the code **6625 9733**

# What might you use MJ for in your own work?

## Content



### Question title

What might you use MJ for in your own wor

### Subheading

Appears in the presentation prior to showing the answers and in participants devices.

Subheading

### Extras

Let participants submit multiple times 



[Remove question](#)

JG

Account



Content



Design



Settings



Got feedback?

Go to [menti.com](https://menti.com) and use the code **6625 9733**

**Write a prompt to create an image reflecting your chosen use case**

## Content



### Question title

Write a prompt to create an image reflecti

### Subheading

Appears in the presentation prior to showing the answers and in participants devices.

Subheading

### Extras

Let participants submit multiple times 



[Remove question](#)

JG

Account



Content



Design



Settings



Got feedback?

Go to [menti.com](https://menti.com) and use the code **6625 9733**

# What are some of the ways MJ could be used in global health and development?

## Content



### Question title

What are some of the ways MJ could be u:

### Subheading

Appears in the presentation prior to showing the answers and in participants devices.

Subheading

### Extras

Let participants submit multiple times 



[Remove question](#)

JG

Account



Content



Design



Settings



Got feedback?

Go to [menti.com](https://menti.com) and use the code **6625 9733**

**Write a prompt to create an image reflecting your chosen use case**

## Content



### Question title

Write a prompt to create an image reflecti

### Subheading

Appears in the presentation prior to showing the answers and in participants devices.

Subheading

### Extras

Let participants submit multiple times 



[Remove question](#)

JG

Account



Content



Design



Settings



Got feedback?

# PAI's Responsible Practices for Synthetic Media

A Framework for Collective Action

FEBRUARY 27, 2023



[syntheticmedia.partnershiponai.org](https://syntheticmedia.partnershiponai.org)



## CEPIC

Centre of the Picture Industry

AI Ethical Guidelines  
for Responsible Re-Use and Production  
of VISUAL CONTENT

[cepic.org](https://cepic.org)

<b>Principle</b>	<b>Dataset Creation</b>	<b>Media Creation</b>
<b>Lawfulness</b>	Respect for copyright, IP, data privacy legislation	Avoid deception and harm
<b>Transparency</b>	Maintain records of all source images & provenance	Informed consent, disclosure, human-in-the-loop, risks/liabilities of synthetic media
<b>Necessity</b>	Only what is necessary & sufficient for the project, time-bound	Only within the scope of the project
<b>Accuracy</b>	Accurate labeling, bias mitigation	Use unbiased dataset containing diverse subjects in various contexts,
<b>Security</b>	Ensure security of collected data; allow for entries to be removed	Cannot reverse-engineer underlying images

The entire value chain should be accountable, from using existing data to train the algorithm to its publication.

**No more window switching**  
Our PowerPoint add-in lets you create, edit and present your Menti. All inside of PowerPoint.



Let's get started and set-up your Menti

Choose type



Multiple Choice



Word Cloud



Open Ended



Scales



Ranking

Quiz competition



Select Answer



Type Answer



Leaderboard

**Do you miss the old add-in?**

We are continuously adding more question types to our new PowerPoint add-in. You can still use the old add-in if you prefer.

[Switch to the old add-in](#)

JG

Account



Got feedback?