

# **Stable Diffusion Prompts Generator with LLMs by Anthropic**

**LABLAB.AI WITH ANTHROPIC**

# SD Prompts Generator by Anthropic API:

```
import os
import anthropic

def request_anthropic_api(user_input, stable_diffusion_prompt_generator):
    client = anthropic.Client(os.environ['ANTHROPIC_API_KEY'])
    response = client.completion(
        prompt=f"{anthropic.HUMAN_PROMPT} {stable_diffusion_prompt_generator} {user_input} {anthropic.AI_PROMPT}",
        stop_sequences = [anthropic.HUMAN_PROMPT],
        model="claude-v1",
        temperature=0.9,
        max_tokens_to_sample=1000,
    )
    print(response)
    print('\n\n')
    print(response['completion'])

def main(user_input = "beautiful girl with magnificent scenery"):
    stable_diffusion_prompt_generator = """
    The following tips are used to guide the creation of images with the AI painting model. They include various details such as the appearance of characters, background, colors and lighting effects, as well as the theme and style of the image. The format of these tips usually includes weighted numeric brackets, which specify the importance or emphasis of certain details. For example, "(masterpiece:1.4)" indicates that the quality of the work is very important. Here are some examples:
    1. (8k, RAW photo, best quality, masterpiece:1.2),(realistic, photo-realistic:1.37), ultra-detailed, 1girl, cute, solo, beautiful detailed sky, detailed cafe, night, sitting, dating, (nose blush), (smile:1.1),(closed mouth), medium breasts, beautiful detailed eyes, (collared shirt:1.1), bowtie, pleated skirt, (short hair:1.2), floating hair, ((masterpiece)), ((best quality)),
    2. (masterpiece, finely detailed beautiful eyes: 1.2), ultra-detailed, illustration, 1 girl, blue hair black hair, japanese clothes, cherry blossoms, tori, street full of cherry blossoms, detailed background, realistic, volumetric light, sunbeam, light rays, sky, cloud,
    3. highres, highest quallity, illustration, cinematic light, ultra detailed, detailed face, (detailed eyes, best quality, hyper detailed, masterpiece, (detailed face), blue hairlwhite hair, purple eyes, highest details, luminous eyes, medium breats, black halo, white clothes, backlighting, (midriff:1.4), light rays, (high contrast), (colorful)

    Following the previous tips, write a tip describing the following elements:
    """

    request_anthropic_api(user_input, stable_diffusion_prompt_generator)

main("2 boys with basketball in school")
```

# SD Prompts results:

PROBLEMS    OUTPUT    TERMINAL    SQL CONSOLE    DEBUG CONSOLE

Here is a tip describing the requested elements:

(masterpiece:1.2), illustration, 2boys, basketball, realistic, detailed school interior, gymnasium, (detailed faces:1.3), young boys, (detailed high school uniforms:1.1), sneakers, voluminous and textured hair, dramatic lighting, spotlights, beams of light, detailed reflections, glass backboard, (action poses:1.4), jumping, shooting, celebrating