

Install in One Command:-

```
pip install tensorflow keras-cv matplotlib
```

Text-Image.py file code:-

```
import keras_cv

from tensorflow import keras

import matplotlib.pyplot as plt

# optional: mixed precision

# keras.mixed_precision.set_global_policy("mixed_float16")

model = keras_cv.models.StableDiffusion(img_width=512, img_height=512)

prompt = "Monkey riding a horse"

images = model.text_to_image(
    prompt,
    batch_size=1,
    num_steps=50
)

plt.imshow(images[0])

plt.axis("off")

plt.show()
```

```
TensorFlow.py ✕
1 import keras_cv
2 from tensorflow import keras
3 import matplotlib.pyplot as plt
4
5 # optional: mixed precision
6 # keras.mixed_precision.set_global_policy("mixed_float16")
7
8 model = keras_cv.models.StableDiffusion(img_width=512, img_height=512)
9
10 prompt = "Monkey riding a horse"
11
12 images = model.text_to_image(
13     prompt,
14     batch_size=1,
15     num_steps=50
16 )
17
18 plt.imshow(images[0])
19 plt.axis("off")
20 plt.show()
21
```