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# Step 1: Upload an image file from your computer
from google.colab import files
uploaded = files.upload() # This opens a file picker in Colab

# Step 2: Read and convert the image to grayscale using PIL
from PIL import Image
import io
import matplotlib.pyplot as plt

# Get the uploaded filename
filename = next(iter(uploaded))

# Open the image
image = Image.open(io.BytesIO(uploaded[filename]))

# Convert to grayscale
gray_image = image.convert("L")

# Step 3: Display the grayscale image
plt.imshow(gray_image, cmap='gray')
plt.axis('off')
plt.title("Grayscale Image")
plt.show()

# Step 4: Save the grayscale image (optional)
gray_image.save("grayscale_image.png")
```



Grayscale Image

