```python
import numpy as np
import cv2 as cv
import matplotlib.pyplot as plt

from google.colab import drive #Mount the google drive
drive.mount('/content/drive')
im1 = cv.imread('/content/drive/MyDrive/images/margot_golden_gray.jpg', cv.IMREAD_GRAYSCALE) #Load the image

assert im1 is not None #Check if the image is loaded

t = np.zeros(256,dtype = np.uint8)

t[0:230] = np.array([int(x*170/220) for x in range (230)])
t[230:256] = np.array([int(x*170/220 +40) for x in range(230,256)]) #Apply intensity transformation

im2 = t[im1]

fig, ax = plt.subplots(1,2,figsize = (10,10))
ax[0].imshow(im1, vmin = 0, vmax = 256, cmap='gray')
ax[0].set_title('Original')
ax[1].imshow(im2, vmin = 0, vmax = 256, cmap = 'gray')
ax[1].set_title('Intensity Transformed') #Plot the original and intensity transformed images
plt.show()
```

Mounted at /content/drive