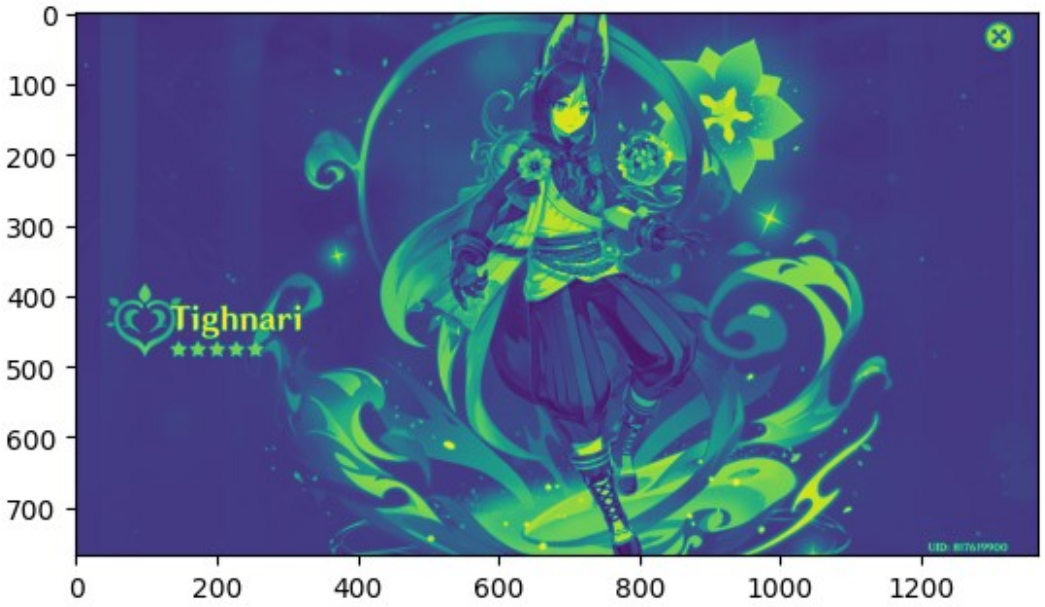
```
import cv2
import matplotlib.pyplot as plt

img = cv2.imread("tighnari.png")

image = cv2.imread('tighnari.png')
plt.imshow(cv2.cvtColor(image, cv2.COLOR_BGR2RGB))
plt.axis('off')
plt.show()
```


```
grayImage = cv2.cvtColor(image, cv2.COLOR_BGR2GRAY)
grayImage
```

```
array([[37, 37, 37, ..., 47, 47, 47],
       [36, 35, 35, ..., 45, 45, 45],
       [36, 36, 36, ..., 45, 45, 45],
       ...,
       [43, 43, 43, ..., 43, 43, 43],
       [44, 44, 43, ..., 43, 43, 43],
       [44, 44, 44, ..., 45, 45, 45]], dtype=uint8)
```

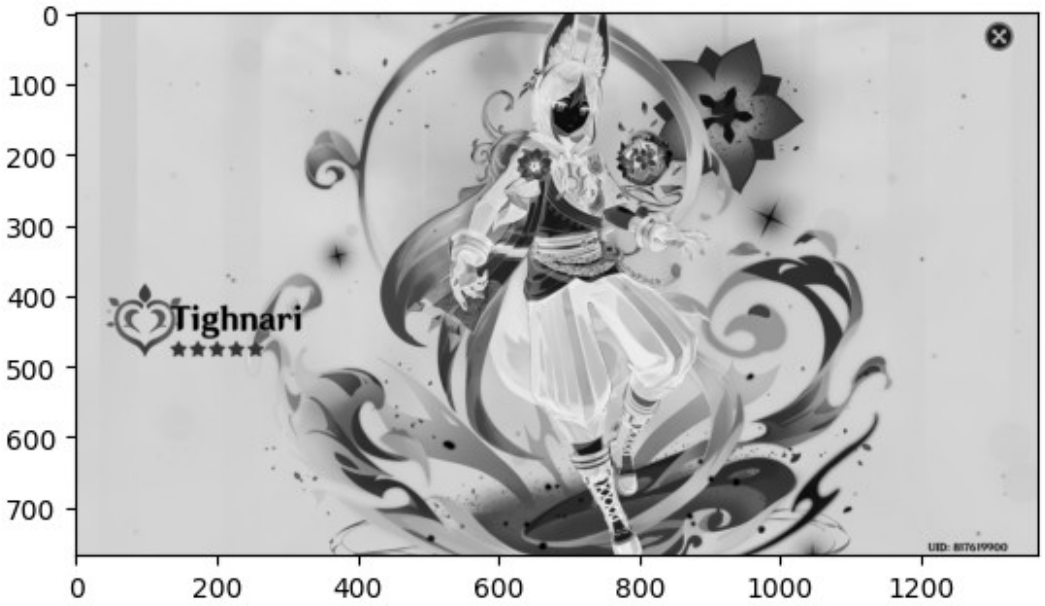
```
plt.imshow(grayImage)
```

```
<matplotlib.image.AxesImage at 0x7f83507d8b50>
```



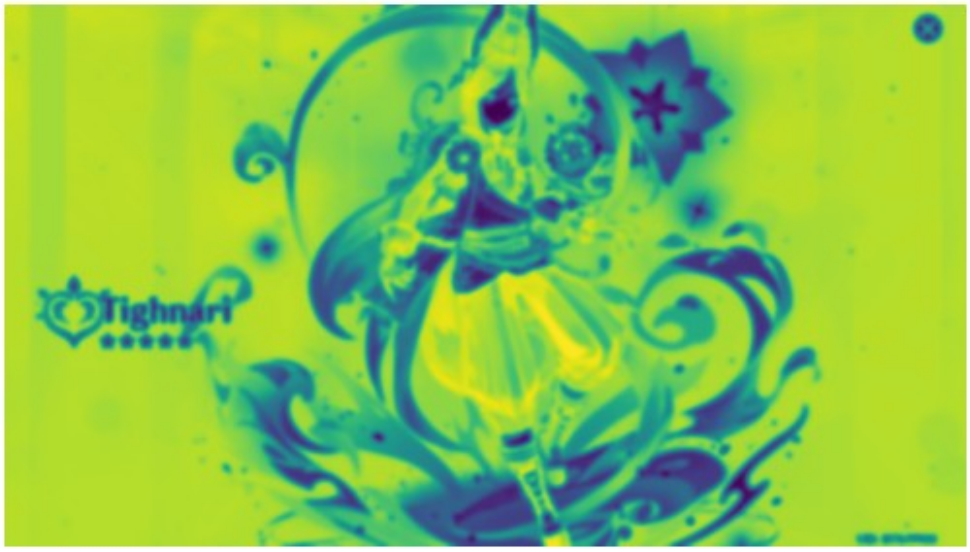

```
invertedImage = 255 - grayImage
plt.imshow(cv2.cvtColor(invertedImage, cv2.COLOR_BGR2RGB))
```

```
<matplotlib.image.AxesImage at 0x7f835070b9a0>
```



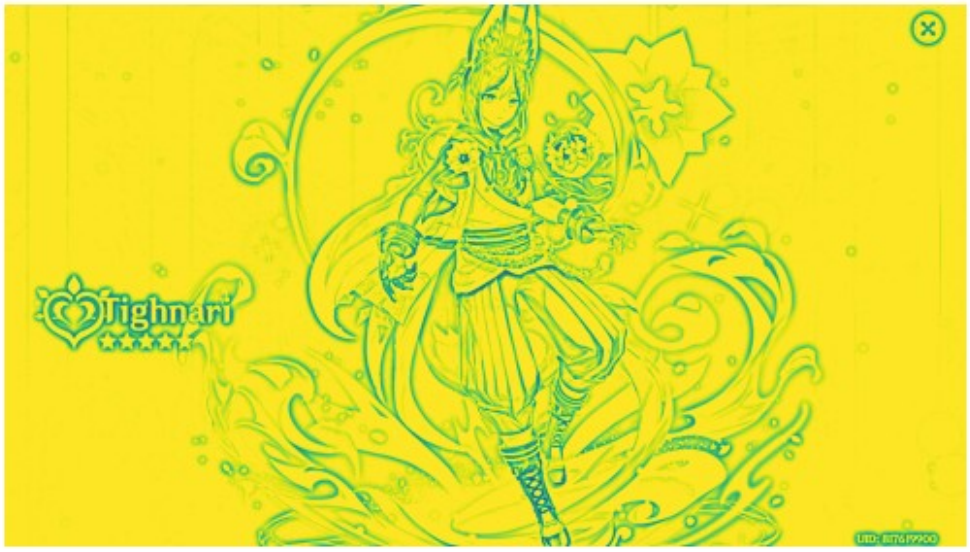

```
blurred = cv2.GaussianBlur(invertedImage, (21,21), 0)
plt.imshow(blurred)
plt.axis('off')
```

```
(-0.5, 1365.5, 767.5, -0.5)
```




```
invertedBlur = 255 - blurred
pencil_sketch = cv2.divide(grayImage, invertedBlur, scale=256.0)
plt.axis('off')
plt.imshow(pencil_sketch)
```

```
<matplotlib.image.AxesImage at 0x7f8344075fc0>
```




```
invertedBlur = 255 - blurred
pencil_sketch = cv2.divide(grayImage, invertedBlur, scale=256.0)
plt.imshow(cv2.cvtColor(pencil_sketch, cv2.COLOR_BGR2RGB))
plt.axis('off')
plt.show()
```

Done