image to pencil sketch with python

importing libraries

```
import cv2
import matplotlib.pyplot as plt
from google.colab.patches import cv2_imshow
```

Reading the image

```
image = cv2.imread("images.jpg")
cv2_imshow(image)
```

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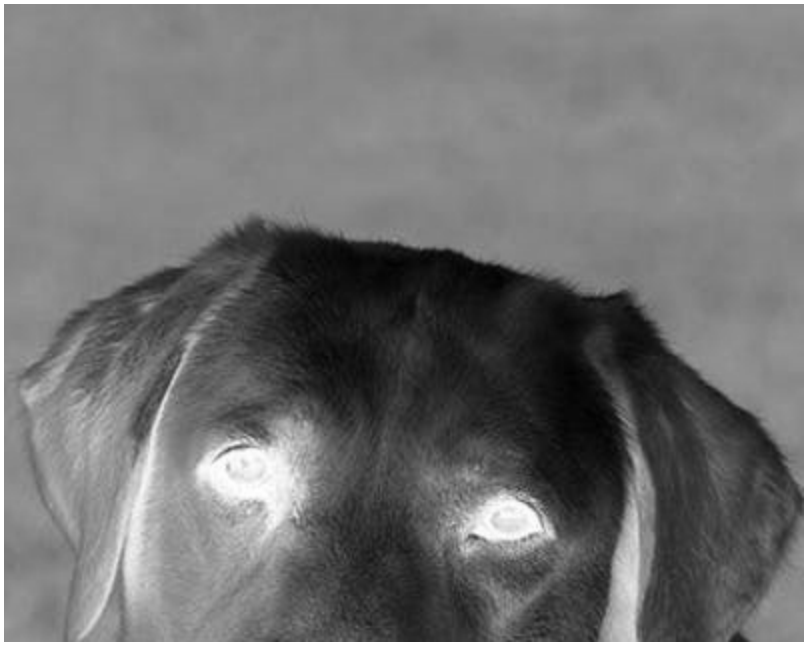
```
rbg = cv2.cvtColor(image, cv2.COLOR_BGR2RGB)
cv2_imshow(rbg)
```

convert image RGB format to grayscale image

```
gray_scale = cv2.cvtColor(rbg, cv2.COLOR_BGR2GRAY)
cv2_imshow(gray_scale)
```

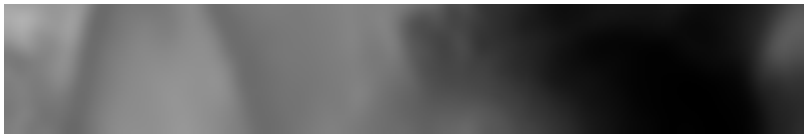
Negative image

```
inverted_gray_scale = 255 - gray_scale
cv2_imshow(inverted_gray_scale)
```



blurry image

```
blur_image = cv2.GaussianBlur(inverted_gray_scale,(25,25),0)
cv2_imshow(blur_image)
```



inverted blurry image

```
inverted_blur = 255-blur_image
cv2_imshow(inverted_blur)
```

pencil sketch

```
pencil_sketch = cv2.divide(gray_scale,inverted_blur, scale=255)
cv2_imshow(pencil_sketch)
```

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