Reading, Manipulating and Saving Grayscale Image using OpenCV.

Same thing ##, but with openCV.

pip install opencv-contrib-python

Grayscale Images in OpenCV that's a notification for open cv to read img as grayscale

```
import cv2
img = cv2.imread('path', cv2.IMREAD_GRAYSCALE)
```

Date :

type (img) → numpy.ndarray

img.dtype → dtype('uint8')

img.shape → (949, 728)

img[23, 100] = 200 → We dont need to make a copy of img as we did in matplotlib, (read only) opencv made a copy itself without any copy command.

← on modifiable matrix

cv2.imshow('Gray', img)

* We have to weight for a key bcoz if you don't do that, the img will instantaneously get displayed and will vanish out and it will be unnoticeable that the img was displayed or not.

cv2.waitKey(0)

cv2.destroyAllWindows()

img[500:700, 500:600] = 255 → pure white

↳ modifying img

cv2.imwrite(r'path\img_name.jpg', img)

↳ no need to set any cmap flag