

OpenCv

Import Libraries

```
In [ ]: import numpy as np
import cv2 as cv
```

Reading and showing an Image

```
In [ ]: img = cv.imread("resources/image.jpg")

cv.imshow("Color Image", img)
cv.waitKey(0)
cv.destroyAllWindows()
```

Resizing the Image

```
In [ ]: img = cv.imread("resources/image.jpg")
img = cv.resize(img, (600, 400))
cv.imshow("Color Image", img)
cv.waitKey(0)
cv.destroyAllWindows()
```

Gray Conversion

```
In [ ]: from email.mime import image
import cv2 as cv
img = cv.imread("resources/image.jpg")
img = cv.resize(img, (800, 600))
```

```
img = cv.cvtColor(img, cv.COLOR_BGR2GRAY)
```

Loading [MathJax]/jax/output/CommonHTML/fonts/TeX/fontdata.js

```
cv.imshow("gray pic", gray)  
cv.waitKey(0)
```

Out[]: -1

In []: