~: Contents / strings
~: Anything unchanged
~: Many options

Images

- You can import cv using ~~cv~~ import cv2.cv as cv → cv2.cv is removed

⊙ imread("name.jpg", CV.IMREAD_COLOR → Default (1)
" " " -GRAYSCALE → (0)
" " " -UNCHANGED → (-1)

⊙ imshow("windowname", image variable)

⊙ ~~cv2.W~~ waitkey(x), x in miliseconds. x=0 for ~~a~~ waiting indefinitely for a key stroke. If x miliseconds have passed, the program continues. There is a chance you will need to use waitkey(x) & 0xFF if you are using 64-bit os.

⊙ destroyAllWindows() or destroyWindow("windowname")

⊙ ~~Create a window and~~

⊙ Create a window and load an image to it later:
namedWindow("windowname", CV2.WINDOW_AUTOSIZE → Default
, CV2.WINDOW_NORMAL

⊙ ~~CV2.imWrite~~

⊙ imwrite("image name", image variable)

All images in python library are array like

"Two ways to import libraries"

⊙ from matplotlib import pyplot as ~~#~~ plt
or: import matplotlib.pyplot as plt

"Pixel Ordering"

OpenCV follows BGR order while matplotlib follows RGB order

"Two ways to convert" (Between BGR and RGB).

```
img = cv2.imread("...")
b, g, r = cv2.split(img)
img2 = cv2.merge([r, g, b])
plt.subplot(121); ~~plt~~ plt.imshow(img)
plt.subplot(122); plt.imshow(img2)
plt.show()
```

or:

```
img2 = img[:, :, ::-1]
```