**Create arbitrary image**

Using numpy:

Img = np.zeros((length, width, 3), np.uint8)

**Read image**

Img = cv.imread(‘filename’, flag)

Flag = …

* cv2.IMREAD\_COLOR : Loads a color image. Any transparency of image will be neglected. It is the default flag.
* cv2.IMREAD\_GRAYSCALE : Loads image in grayscale mode
* cv2.IMREAD\_UNCHANGED : Loads image as such including alpha channel

**Show image**

Cv2.imshow(‘title name’,Img)

**Save image**

cv2.imwrite('messigray.png',img)

**Convert color space**

outputImage = cv.cvtColor(inputImage, flag)

flag is the variable denoting transformation from one color space to another. Like: cv2.COLOR\_Lab2BRG;

**Install python contrib**

pip install opencv-contrib-python