

spaces

January 31, 2024

```
[ ]: import cv2 as cv
import matplotlib.pyplot as plt
```

```
[ ]: img = cv.imread('Images/cat.jpg') # default is BGR
cv.imshow('Cat', img)
```

GR to gray

```
[ ]: gray = cv.cvtColor(img, cv.COLOR_BGR2GRAY)
    """ cv.imshow('Gray', gray)
    """

    #BGR to HSV
    hsv = cv.cvtColor(img, cv.COLOR_BGR2HSV)
    """ cv.imshow('HSV', hsv)
    """

    #BGR to LAB
    lab = cv.cvtColor(img, cv.COLOR_BGR2LAB)
    """ cv.imshow('LAB', lab) """
```

GR to RGB

```
[ ]: rgb = cv.cvtColor(img, cv.COLOR_BGR2RGB)
    """cv.imshow('RGB', rgb)"""
```

```
[ ]: plt.imshow(rgb)
plt.show()
```

```
[ ]: cv.waitKey(0)
```