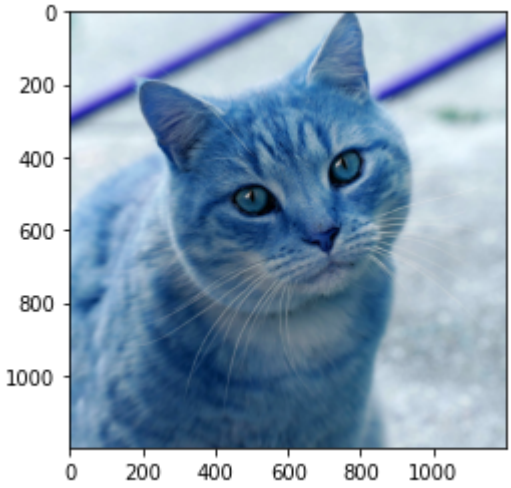
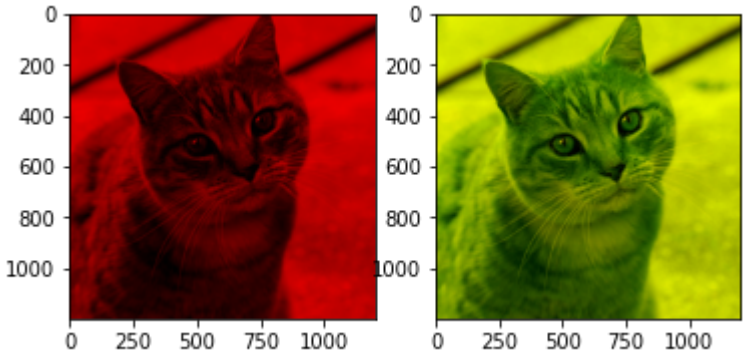
In [31]:
```
import cv2
import matplotlib.pyplot as plt
from skimage.color import rgb2gray
```

In [25]:
```
img = cv2.imread("cat.jpg")
plt.imshow(img)
```

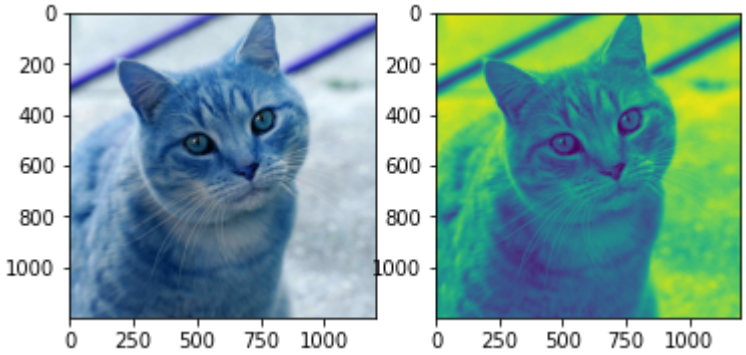
Out[25]:
```
<matplotlib.image.AxesImage at 0x7fd09d711bd0>
```



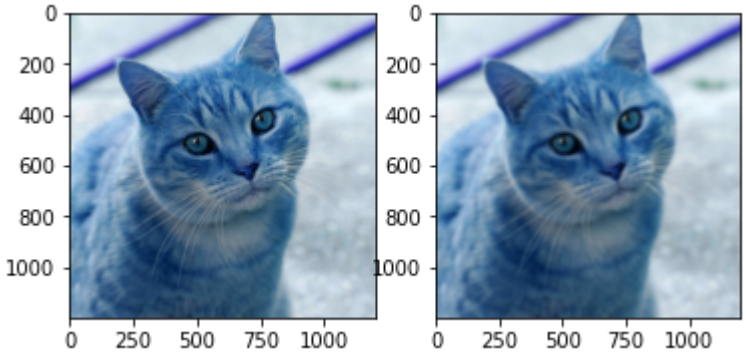
In [41]:
```
red, yellow = img.copy(), img.copy()
red[:, :, (1,2)] = 0
yellow[:, :, 2] = 0
f = plt.figure()
f.add_subplot(1,2, 1)
plt.imshow(red)
f.add_subplot(1,2, 2)
plt.imshow(yellow)
plt.show(block=True)
```



In [26]:
```
f = plt.figure()
f.add_subplot(1,2, 1)
plt.imshow(img)
f.add_subplot(1,2, 2)
plt.imshow(rgb2gray(img))
plt.show(block=True)
```

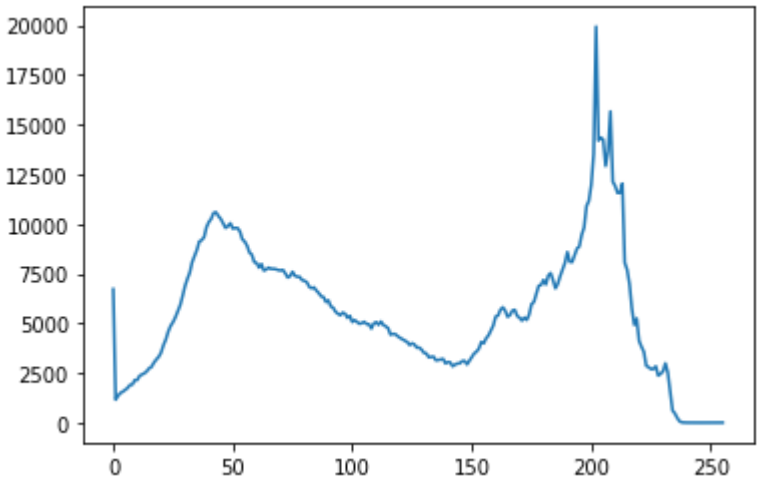


In [38]:
```
gimg = cv2.GaussianBlur(img,(105,105),cv2.BORDER_DEFAULT)
f = plt.figure()
f.add_subplot(1,2, 1)
plt.imshow(img)
f.add_subplot(1,2, 2)
plt.imshow(gimg)
plt.show(block=True)
```



In [40]:
```
histg = cv2.calcHist([img],[0],None,[256],[0,256])
plt.plot(histg)
```

Out[40]:
```
[<matplotlib.lines.Line2D at 0x7fd08beafd50>]
```



In [ ]:

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