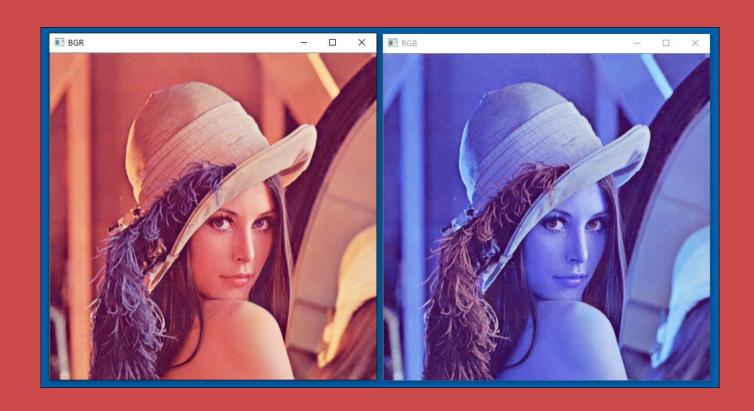
• 将图像由一种类型转换为另外一种类型

彩色转灰度



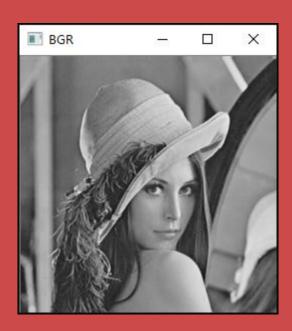


BGR转RGB



灰度转BGR





· OpenCV提供了200多种不同类型之间的转换。

cv2.COLOR_BGR2GRAY

cv2.COLOR_BGR2RGB

cv2.COLOR_GRAY2BGR

彩色变灰度



彩色灰度

import cv2

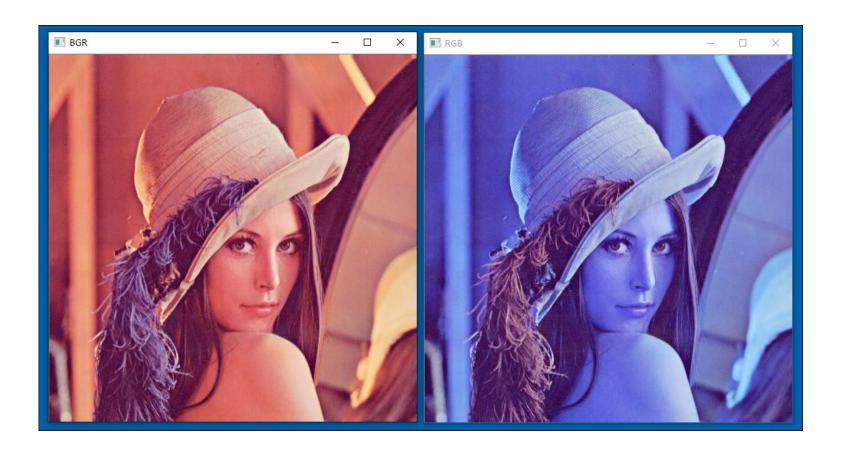
a=cv2.imread("image\\lenacolor.png")

b=cv2.cvtColor(a, cv2.COLOR_BGR2GRAY)

cv2.imshow("lenaColor",a)

cv2.imshow("lenaGray",b)

cv2.waitKey()



B G R R G B

import cv2

a=cv2.imread("image\\lenacolor.png")

b=cv2.cvtColor(a, cv2.COLOR_BGR2RGB)

cv2.imshow("lenaColor",a)

cv2.imshow("lenaGray",b)

cv2.waitKey()

import cv2

a=cv2.imread("image\\lena256.bmp",cv2.IMREAD_UNCHANGED)

b=cv2.cvtColor(a,cv2.COLOR_GRAY2BGR)

cv2.imshow("GRAY",a)

cv2.imshow("BGR",b)

cv2.waitKey()





G R A Y B G R

```
import cv2
```

a=cv2.imread("image\\lena256.bmp",cv2.IMREAD_UNCHANGED)

b=cv2.cvtColor(a,cv2.COLOR_GRAY2BGR)

print(a.shape)

print(b.shape)

```
(256, 256)
(256, 256, 3)
```

```
import cv2
```

a=cv2.imread("image\lena256.bmp",cv2.IMREAD_UNCHANGED)

b=cv2.cvtColor(a,cv2.COLOR_GRAY2BGR)

bb,bg,br=cv2.split(b)

cv2.imshow("bb",bb)

cv2.imshow("bg",bg)

cv2.imshow("br",br)

cv2.waitKey()







B通道 R通道

OpenCV+Python图像处理

图像处理利器 ———

