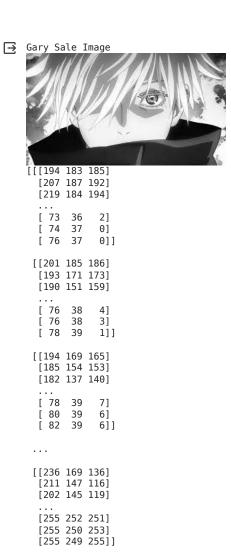
import cv2
print("Orginal image")
image = cv2.imread("/content/download.jpeg")
from google.colab.patches import cv2_imshow
cv2_imshow(image)



print("Gary Sale Image")
image1 = cv2.imread("/content/download.jpeg", 0)
cv2_imshow(image1)
cv2.imwrite("/content/download_gray.jpg", image1)
print(image)



[[236 169 136]
[211 147 116]
[202 145 119]
...
[255 252 251]
[255 250 253]
[255 249 255]]

[[188 119 86]
[174 110 79]
[177 120 94]
...
[255 252 251]
[255 250 253]
[255 249 255]]

[[181 112 79]
[190 125 94]
[212 155 129]
...
[255 252 251]
[255 252 251]
[255 252 253]
[255 252 253]
[255 252 253]
[255 252 253]

image = cv2.imread("/content/download.jpeg")
from google.colab.patches import cv2_imshow
cv2_imshow(image)
from numpy import asarray
data = asarray(image)
print(data)

```
[[[194 183 185]
  [207 187 192]
  [219 184 194]
  [ 73 36
              2]
  [ 74 37
              0]
  76 37
              0]]
 [[201 185 186]
  [193 171 173]
  [190 151 159]
 ...
[ 76 38
 [ 76 38
[ 78 39
              3]
              1]]
 [[194 169 165]
  [185 154 153]
  [182 137 140]
 ...
[ 78 39
  [ 80 39
              6]
  [ 82 39
              6]]
 . . .
[[236 169 136]
  [211 147 116]
  [202 145 119]
  [255 252 251]
  [255 250 253]
  [255 249 255]]
 [[188 119 86]
 [174 110 79]
[177 120 94]
 [255 252 251]
[255 250 253]
[255 249 255]]
```

Image Rotation

[[181 112 79] [190 125 94] [212 155 129]

[255 252 251] [255 250 253]

```
import cv2
import imutils
image = cv2.imread("/content/download.jpeg")
from google.colab.patches import cv2_imshow
cv2_imshow(image)
print("Rotated Image")
print("90 degree angle rotation")
R1=imutils.rotate(image,90)
cv2_imshow(R1)
```



RGB to CMY Conversion

```
import cv2
print("Original Image")
image = cv2.imread("/content/download.jpeg")
from google.colab.patches import cv2_imshow
cv2_imshow(image)
print("\n\nRGB Image")
R,G,B = cv2.split(image)
print("R Complacent")
cv2_imshow(R)
print("G Complacent")
cv2_imshow(G)
print("B Complacent")
cv2_imshow(B)
C = 1-R
M = 1-G
Y = 1-B
print("\n\n\nCMY image")
print("C Complacent")
cv2_imshow(C)
print("M Complacent")
cv2_imshow(M)
print("Y Complacent")
cv2_imshow(Y)
```

