```
import matplotlib.image as mpimg
         from PIL import Image
In [57]: def chswap(image):
             width, height = image.size
             image_rgb = image.convert('RGB')
             r, g, b = image_rgb.split()
             # Red(out) = Blue(in)
             image_bgr = Image.merge('RGB', (b, g, r))
             # Green(out) = Red(in)
             image_grb = Image.merge('RGB', (g, r, b))
             # Blue(out) = Green(in)
             image_rbg = Image.merge('RGB', (r, b, g))
             # Blue(out) = Green(in)
             image_brg = Image.merge('RGB', (b, r, g))
             # Green(in) = Red(out)
             image_gbr = Image.merge('RGB', (g, b, r))
             fig = plt.figure(figsize=(12, 9))
             fig.add_subplot(2, 3, 1)
             plt.imshow(image)
             plt.title("Original_Image")
             fig.add_subplot(2, 3, 2)
             plt.imshow(image_bgr)
             plt.title("BGR_Image")
             fig.add_subplot(2, 3, 3)
             plt.imshow(image_grb)
             plt.title("GRB_Image")
             fig.add_subplot(2, 3, 4)
             plt.imshow(image_rbg)
             plt.title("RBG_Image")
             fig.add_subplot(2, 3, 5)
             plt.imshow(image_brg)
             plt.title("BRG_Image")
             fig.add_subplot(2, 3, 6)
             plt.imshow(image_gbr)
             plt.title("GBR_Image")
In [58]:
         colored_lena = Image.open("lena_colored.png")
         chswap(colored_lena)
```

In [7]: import matplotlib.pyplot as plt

