!pip install imageio

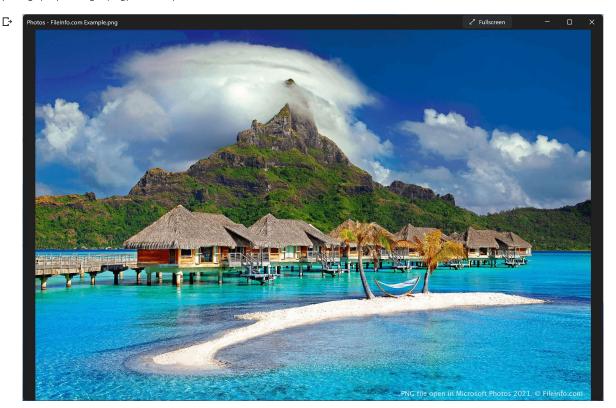
Looking in indexes: https://us-python.pkg.dev/colab-wheels/public/simple/ Requirement already satisfied: imageio in /usr/local/lib/python3.8/dist-packages (2.9.0)
Requirement already satisfied: pillow in /usr/local/lib/python3.8/dist-packages (from imageio) (8.4.0)

Requirement already satisfied: numpy in /usr/local/lib/python3.8/dist-packages (from imageio) (1.22.4)

%matplotlib inline import imageio import requests

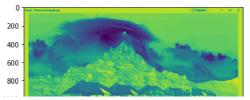
 $import\ {\tt matplotlib.pyplot}\ as\ {\tt plt}$ import IPython.display as dp

img = 'https://fileinfo.com/img/ss/xl/png_79.png' dp.Image(requests.get(img).content)



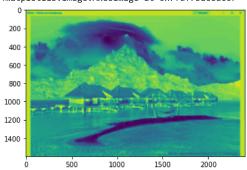
```
source_img = imageio.imread(img)
import numpy as np
def grayscaleing(rgb):
 return np.dot(rgb[...,:3],[0.299,0.587,0.114])
gryscl_img = grayscaleing(source_img)
inv_img = (255 - gryscl_img)
plt.imshow(inv_img)
```

<matplotlib.image.AxesImage at 0x7fdf85aee5e0>



import scipy.ndimage
blurred_img = scipy.ndimage.filters.gaussian_filter(inv_img, sigma=5)
plt.imshow(blurred_img)

<matplotlib.image.AxesImage at 0x7fdf7bacedc0>



def dodging(blur_img,gryscl_img):
 resultant_dodge=blur_img*255/(255-gryscl_img)
 resultant_dodge[resultant_dodge>255]=255
 resultant_dodge[gryscl_img==255]=255
 return resultant_dodge.astype('uint8')

target_img= dodging(blurred_img, gryscl_img)

%matplotlib inline
import matplotlib.pyplot as plt
plt.imshow(target_img, cmap='gray')

<matplotlib.image.AxesImage at 0x7fdf7ba3ad00>

