#Program to display negative of an image

import cv2

import numpy as np

img=cv2.imread('image1.jpg',1);

img1=cv2.cvtColor(img,cv2.COLOR\_BGR2HSV);

for i in range(0,img.shape[0]):

for j in range(0,img.shape[1]):

img1[i][j][2]=(((np.cbrt(2\*(img1[i][j][2]/255.0)-1)+1)/2)/2)\*255.0;

cv2.imshow('Original',img)

img2=cv2.cvtColor(img1,cv2.COLOR\_HSV2BGR);

cv2.imshow('Contrasted',img2)

k=cv2.waitKey(0) &0xFF;

if k==27:

cv2.destroyAllWindows();

print(img2.shape,img.shape);

