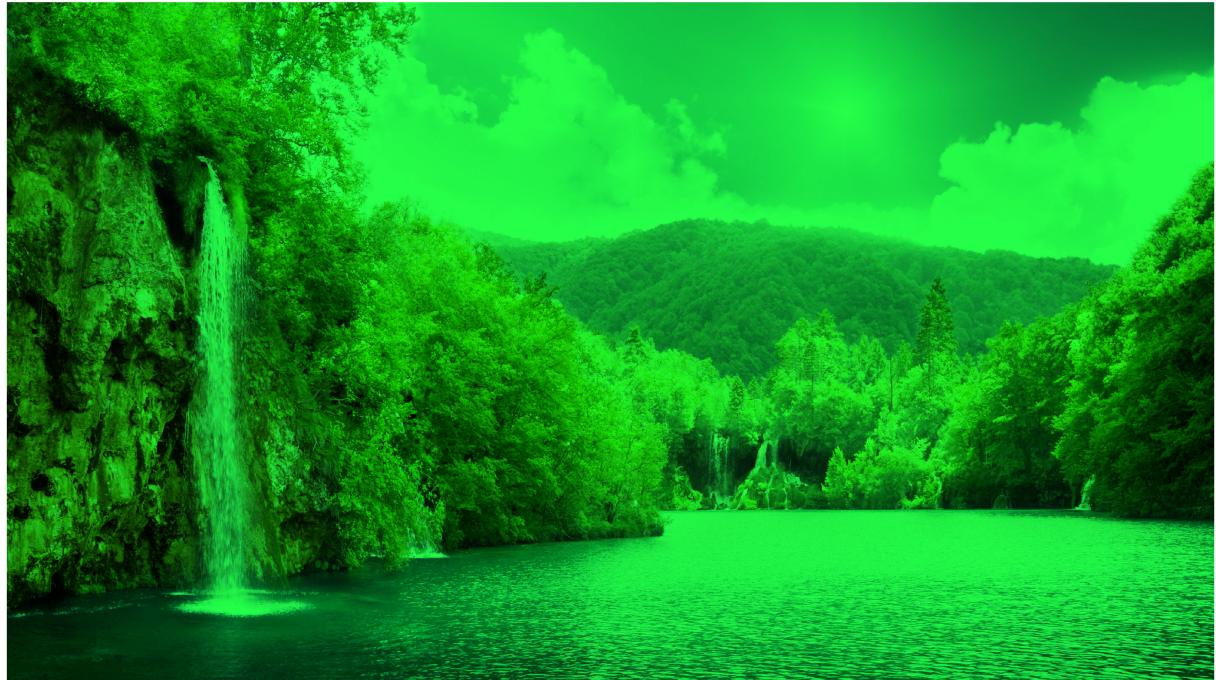


Atividade 1 2º Bimestre

```
x = imread("imagem_natureza.png");
vet = [0.1 0.7 0.2];
imshow(x);
```



```
y = equaliza_cor(x,vet);
imshow(y);
```



```
deslocamento = 0.2;
y = modif_ton(x,deslocamento);
imshow(y);
```



```
function y = equaliza_cor(img,rgb)
x = double(img)/255;
for i = 1 : 3
    x(:,:,i) = img(:,:,i)*rgb(i);
end
max_x = max(x(:));
y = x/max_x;
end

function y = modif_ton(x,d)
x_hsi = rgb2hsv(x);
x_hsi(:,:,1) = x_hsi(:,:,1)+d;
y = hsv2rgb(x_hsi);
end
```