



```
img=imread('marius.jpeg');
gray=rgb2gray(img);
[w,h,d]=size(img);

for y=1:h
    for x=1:w
        if gray(x, y) > 170
            img(x, y, 1) = 255;
            img(x, y, 2) = 255;
            img(x, y, 3) = 0;
        elseif gray(x, y) > 130
            img(x, y, 1) = 255;
            img(x, y, 2) = 0;
            img(x, y, 3) = 0;
        elseif gray(x, y) > 70
            img(x, y, 1) = 0;
            img(x, y, 2) = 0;
            img(x, y, 3) = 255;
        elseif gray(x, y) > 50
            c=40;
            img(x, y, 1) = c;
            img(x, y, 2) = c;
            img(x, y, 3) = c;
        else
            img(x, y, 1) = 0;
            img(x, y, 2) = 0;
            img(x, y, 3) = 0;
        end
    end
end

imshow(img);
```

