



## Given:

```
Pixel color value: RGB(r, g, b) where 0 \le r, g, b \le 255
```

## Mapping:

```
if (r - 50 < r' < r + 50)
and (g - 50 < g' < g + 50)
and (b - 50 < b' < b + 50)
then RGB -> (255, 255, 255) white
else RGB -> (0, 0, 0) black
```