

```
a = imread("C:\Users\ASWATH\Desktop\image processing course\ring_nebulla.jpg");
imshow(a), title("color image")
```

color image

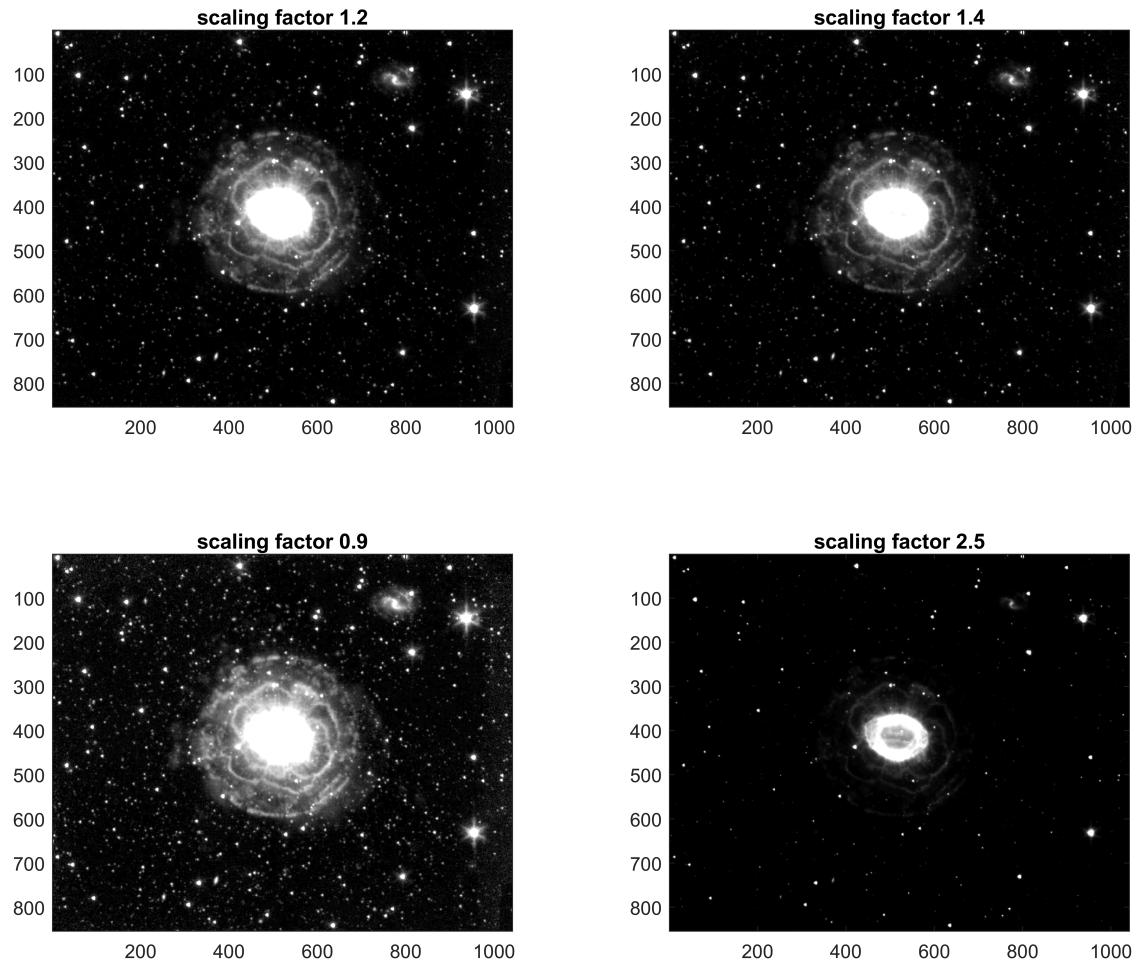


```
gray = rgb2gray(a);
gray_doub = im2double(gray);
imshow(gray), title("grayscale image")
```

grayscale image



```
out1 = 2*(gray_doub.^1.2);
out2 = 2*(gray_doub.^1.4);
out3 = 2*(gray_doub.^0.9);
out4 = 2*(gray_doub.^2.5);
subplot(2,2,1), subimage(out1), title("scaling factor 1.2")
subplot(2,2,2), subimage(out2), title("scaling factor 1.4")
subplot(2,2,3), subimage(out3), title("scaling factor 0.9")
subplot(2,2,4), subimage(out4), title("scaling factor 2.5")
```



%by using the power law transformation more features are mapped into this