

Basics of Image Processing 14 Jan 2026

Nenavath Dhanush Rathod Input: Image Output: Image

Contents

- [Defaults](#)
- [Image Read](#)
- [GrayScale](#)
- [Red components](#)
- [Black and White](#)
- [Histogram Equalisation](#)

Defaults

```
clc;  
clear all;  
close all;
```

Image Read

```
I = imread("everest.JPEG");  
imshow(I);  
figure;
```



GrayScale

```
Ig = rgb2gray(I);  
imshow(Ig);
```



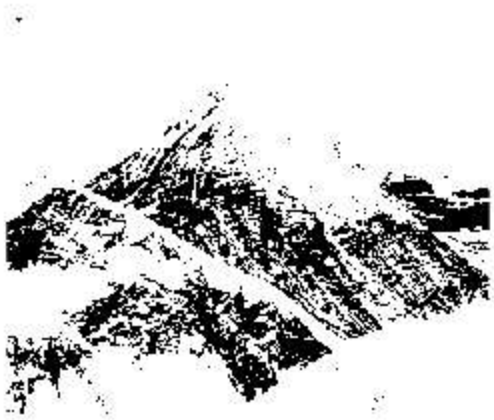
Red components

```
Ired = I;  
Ired(:,:,2) = 0;  
Ired(:,:,3) = 0;  
figure;  
imshow(Ired);
```



Black and White

```
Ibw = Ig > 80;  
figure;  
imshow(Ibw);
```



Histogram Equalisation

```
Ieq = histeq(Ig);  
figure;  
imshow(Ieq);
```

