

Image conversions

```
clear all
clc
a = imread('C:\Users\ASWATH\Desktop\github\bear1.jpg');
a=double(a);
[row col dim]=size(a);
red=a(:,:,1); %%this will give grey level scale image of the red plane
green=a(:,:,2); %%this will give grey level scale image of the green plane
blue=a(:,:,3); %%this will give grey level scale image of the blue plane
%%to display invidual color store them as 24-bit image
plane=zeros(row,col);
RED= cat(3,red,plane,plane); %%Concatenate arrays along specified dimension
GREEN= cat(3,plane,green,plane);
BLUE=cat(3,plane,plane,blue);
figure(1)
subplot(2,2,1)
imshow(uint8(a))
subplot(2,2,2)
imshow(uint8(red))
subplot(2,2,3)
imshow(uint8(blue))
subplot(2,2,4)
imshow (uint8(green))
```



```
figure(2)
subplot(2,2,1)
imshow(uint8(a))
subplot(2,2,2)
imshow(uint8(RED))
subplot(2,2,3)
imshow(uint8(GREEN))
subplot(2,2,4)
imshow(uint8(BLUE))
```

