

MATLAB image conversions

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Course Code: Image Processing and Analysis

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Task

```
f=imread('lena_color.png');
subplot(1,3,1)
imshow(f)
title('original RGB image')

%rgb2ind
[g,map]=rgb2ind(f,64)
subplot(1,3,2)
imshow(g)
imagesc(g)
colormap(map)
title('RGB to Indexed')

%ind2rgb
a=ind2rgb(g,map)
subplot(1,3,3)
imshow(a)
title('Indexed to RGB')
```



