

```
I_orig = imread("cat_driving.jpg");  
I = rgb2gray(I_orig);  
disp("Chosen Image:")
```

Chosen Image:

```
imshow(I)  
title("Original")
```

Original



```
disp('Question 5:')
```

Question 5:

```
%we want to reduce the image to 32 grayscale levels so we divide the  
%original amount whihc is 255 grayscale levels  
quantized_img = imresize(imresize(I, 1/sqrt(255/32)), size(I));  
  
imshow(quantized_img)  
title('Quantized')
```

Quantized

