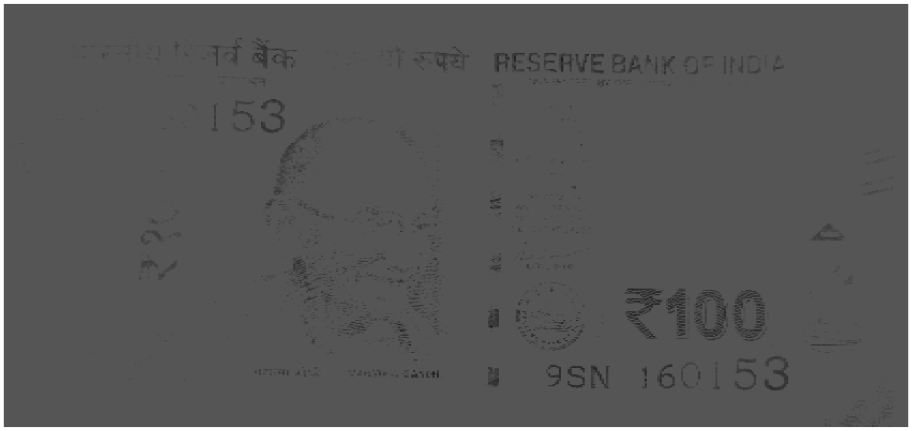
```
% Read the input image
colorImage =imread('100_note.jpeg');
imshow(colorImage )
```

rgb to grey

```
% Extract the red, green, and blue components
R = colorImage(:, :, 1); % Red channel
G = colorImage(:, :, 2); % Green channel
B = colorImage(:, :, 3); % Blue channel


 grayimg=(R+G+B)/3;
 grayimg = uint8(grayimg);
 imshow(grayimg);
```



Another way

```
% Compute the grayscale image using the standard formula
grayscaleImage = 0.2989 * R + 0.5870 * G + 0.1140 * B;

% Convert to uint8 for display (if needed)
grayscaleImage = uint8(grayscaleImage);



% Display the original and grayscale images
figure;
subplot(1, 2, 1);
imshow(colorImage);
title('Original Color Image');

subplot(1, 2, 2);
imshow(grayscaleImage);
title('Grayscale Image');
```

Original Color Image

Grayscale Image

another way