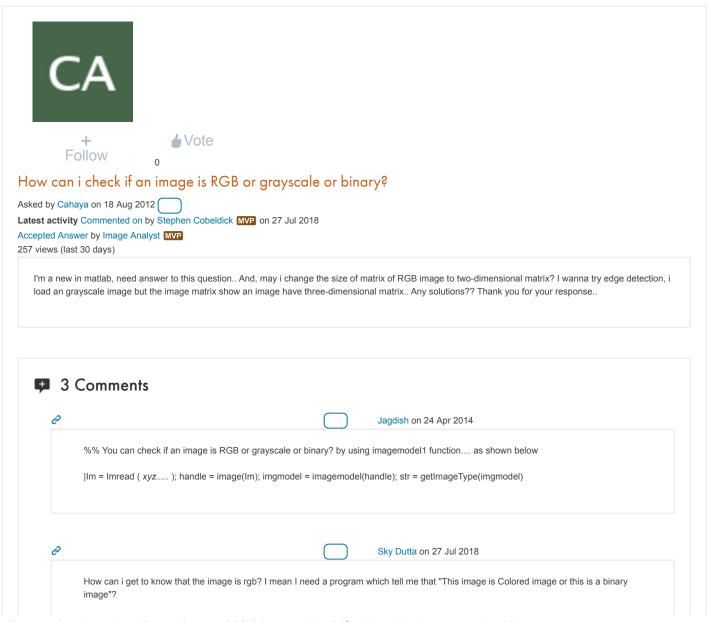
MathWorks

MATLAB AnswersTM



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MATLAB Answers

My image is RGB image but when I used size function it showed me grayscale image.

2 Answers

how can i check that my image is rgb

3 Answers

Sir i am getting error :function isgray has been removed. Please suggest me which version of matlab i should use.

2 Answers

Entire Website

MATLAB image display - truecolor and indexed images

Blogs

Image Type Conversion

Documentation

Image Types

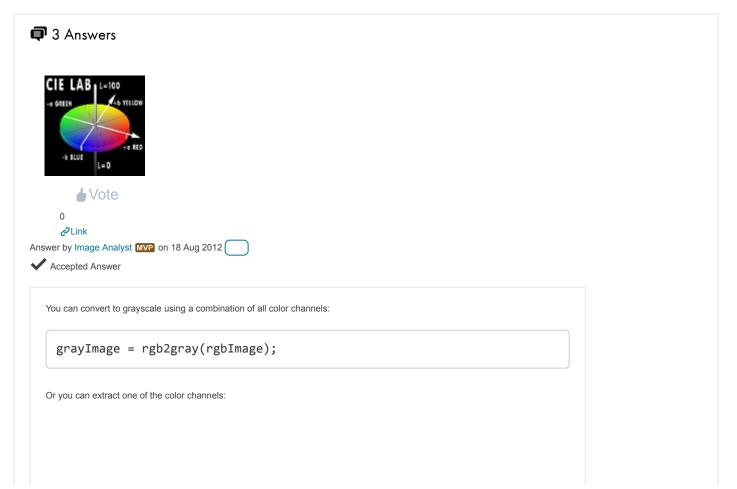
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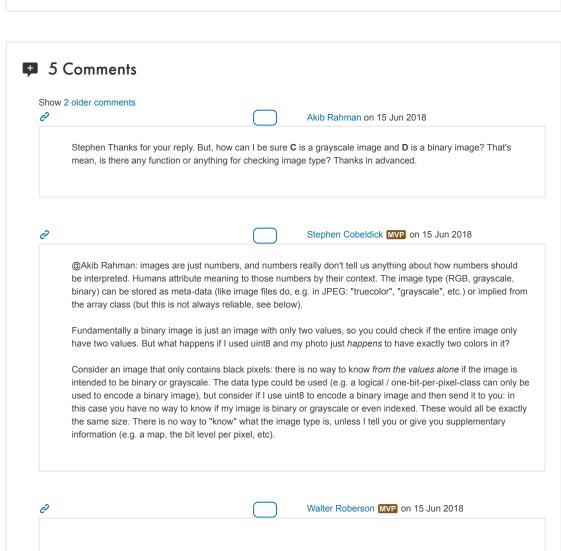




```
% Extract the individual red, green, and blue color channels.
redChannel = rgbImage(:, :, 1);
greenChannel = rgbImage(:, :, 2);
blueChannel = rgbImage(:, :, 3);

You can get the size (dimensions) like this:

[rows columns numberOfColorChannels] = size(yourImageArray);
```



```
ndims(A) ==2 && islogical(A) --> true if binary image
ndims(A) == 2 && length(unique(A(:))) == 1 --> true if grayscal
ndims(A) == 2 && length(unique(A(:))) == 2 --> true if grayscal
ndims(A) > 2 --> cannot be grayscale or indexed or binary
ndims(A) == 3 && size(A,3) == 3 && size(unique(A, 'rows'),1) ==
ndims(A) == 3 size(A,3) == 3 && size(unique(A, 'rows'),1) == 2
```

Here, bi-level refers to images that have two distinct colors. They might be binary images, but they might not be (for example, red letters on blue background). It is common to encode binary images as the values 0 and 1, but it is also common to encode binary images as the values 0 and 255.

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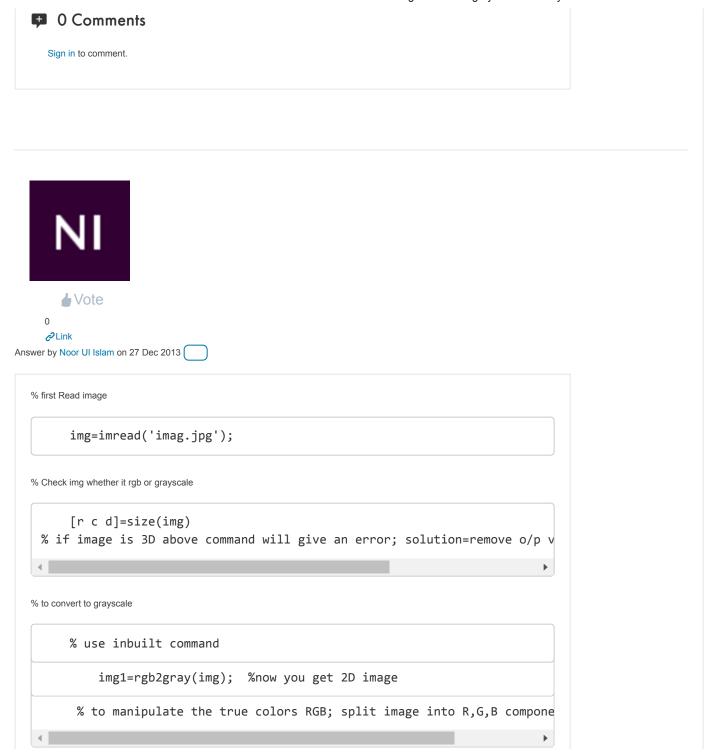


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Answer by Walter Roberson MVP on 18 Aug 2012

Use rgb2gray() to convert the image to grayscale.



```
R=img(:,:,1);
G=img(:,:,3);
%Note: each R,G and B component is 2D matrix... hope this is what u requ

O Comments

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```

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