

---

```
%{  
GRAY TO RGB  
%}  
  
function [rgbImages] = grayToRgb(grayImages)  
    % normalize the gray images from 255 -> 1, if necessary  
    if (max(grayImages(:)) > 1 && max(grayImages(:)) <= 255)  
        grayImages = grayImages / 255;  
    end  
  
    grayImagesSize = size(grayImages);  
    numGrayImages = grayImagesSize(3);  
    for i = 1:numGrayImages  
        rgbImages(:, :, :, i) = cat(3, grayImages(:, :, i),  
        grayImages(:, :, i), grayImages(:, :, i));  
    end  
end
```

*Published with MATLAB® R2017a*