IMGS-351
Project 1 report
Team #: 13
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Make/model of camera used to take images: Samsung Galaxy Note 4
Camera settings (if applicable): N/A

Image of ColorChecker chart and color patches from step 3).

Cropped/resized image of ColorChecker chart from step 4)

Cropped/resized image of color patches from step 4)

Matlab script from step 4)

```
% project1.m
% read colorchecker and patches image,
% resize, and save separate CC and patches images
% 9/7/18 kja

% read in original CC and patches image
img = imread('checker and patches.jpg');

% resize the CC image
checker = imresize(imcrop(img), [800 1125]);

% save the CC image as a jpeg
imwrite(checker, 'chart.jpg');

% resize the patches image
patches = imresize(imcrop(img), [300 225]);

% save the patches image as a jpeg
imwrite(patches, ‘samples.jpg');
```

Real/imaged ColorChecker charts in lightbooth from step 6)

Real/imaged color patches in lightbooth from step 6)

Table of visual color differences between real/imaged patches from step 6)

★ *Use terms of lightness (lighter/darker), hue (redder/greener/yellower/bluer or combinations more/less purple, orange, etc.) and saturation (more/less)*

patch #	patch name	imaged patch appearance
1	dark skin	darker hue
2	light skin	less saturated
3	blue sky	more saturated
4	foliage	more saturated
5	blue flower	bluer hue
6	bluish green	bluer and darker hue
7	orange	almost the same, slightly more saturated
8	purplish blue	slightly more saturated
9	moderate red	more saturated
10	purple	more saturated
11	yellow green	darker hue
12	orange yellow	darker hue
13	blue	lighter hue

14	green	slightly more saturated
15	red	more saturated
16	yellow	darker hue
17	magenta	darker hue
18	cyan	darker hue
19	white (.05)	darker hue
20	neutral 8	almost the same
21	neutral 6.5	darker hue
22	neutral 5	darker hue
23	neutral 3.5	darker hue
24	black	darker hue
	patch 28.1	darker hue, bluer shade
	patch 28.2	darker hue, bluer shade