

Quiz 1: Introduction to Digital Image Processing

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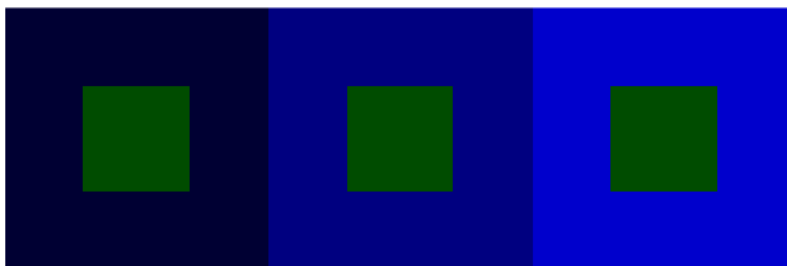
14 de octubre de 2016

1. Eye illusions

- a. Write a Matlab function to generate an image with different contrast as shown in figure



The function should receive as input a vector $a = [a_1, a_2, a_3, b]$ where a_i represents the background of the 3 squares, and b is the gray intensity of the foreground. Then, create a colormap to show background in blue scales, and foreground in red scales.



b. Write a Matlab function to generate the eye illusion shown in next figure

