Advanced Software Technology
Exercise 02
Experiments Results

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1 RESULTS

Starting with two images having the same colors I increased or decreased the color of one image step by step until I was able to notice a difference. I used the colors (127,127,127), (0,0,0), (255,0,0), (0,255,0), (0,0,255), (255,255,0), (255,0,255), (0,255,255) and (255,255,255).

The color that took the highest difference in values was (0,255,255). This took me a difference of 25 in blue or a difference of 24 in the red channel.

One thing I noticed is that I notice differences faster when changing the green color channel. This is in accords to what I learned during psychology class: The human eye is more sensitive to the color green.

Sometimes this difference was rather big (distance of 12 for color (0,255,255), sometimes the difference was rather small (distance of 1 or 2 for color (0,0,0)).