

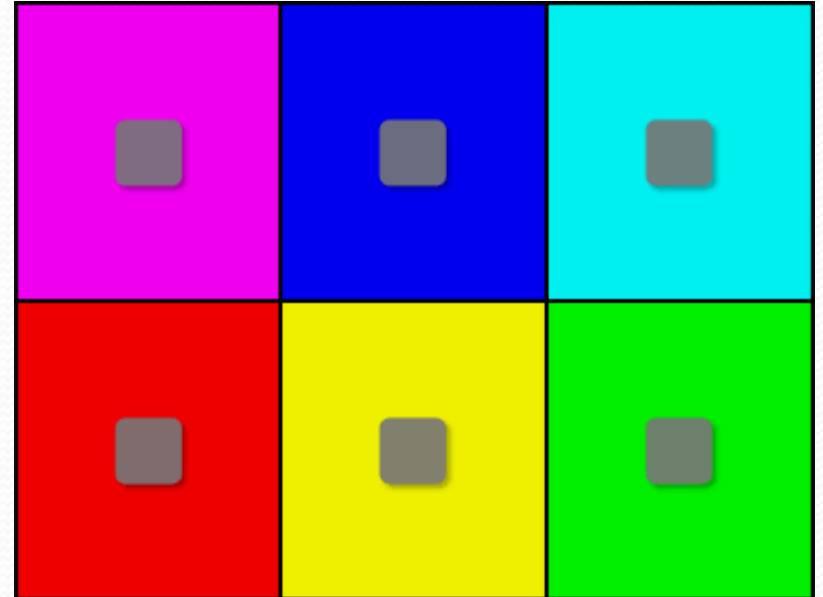
Spracovanie farebného obrazu

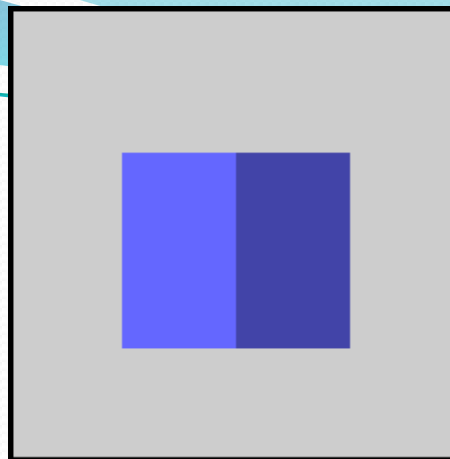
Color constancy

13.5.2014

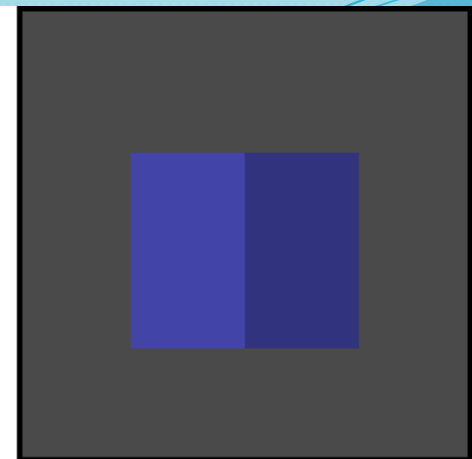
Color constancy

- is a Gestalt principle of perception that suggests that the context in which an object we are viewing appears in, influences the way we perceive the color of that object.

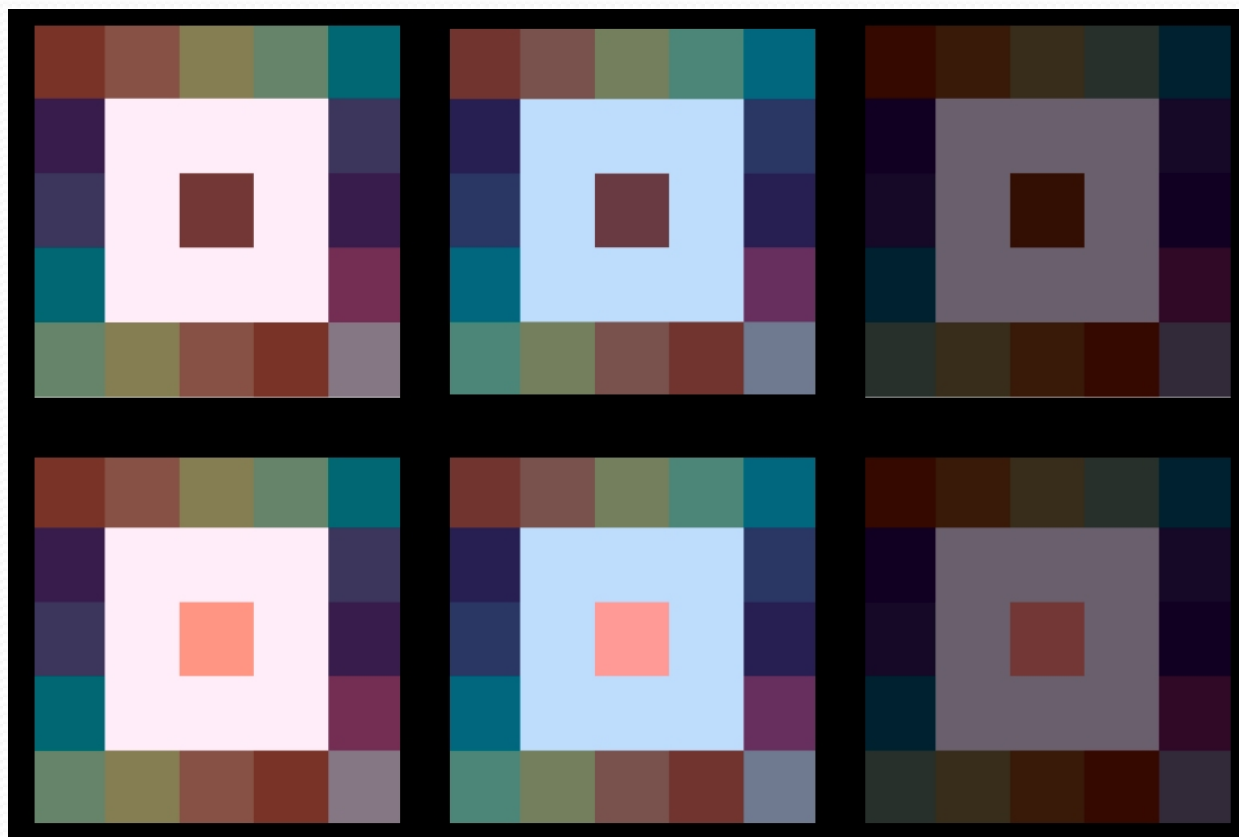




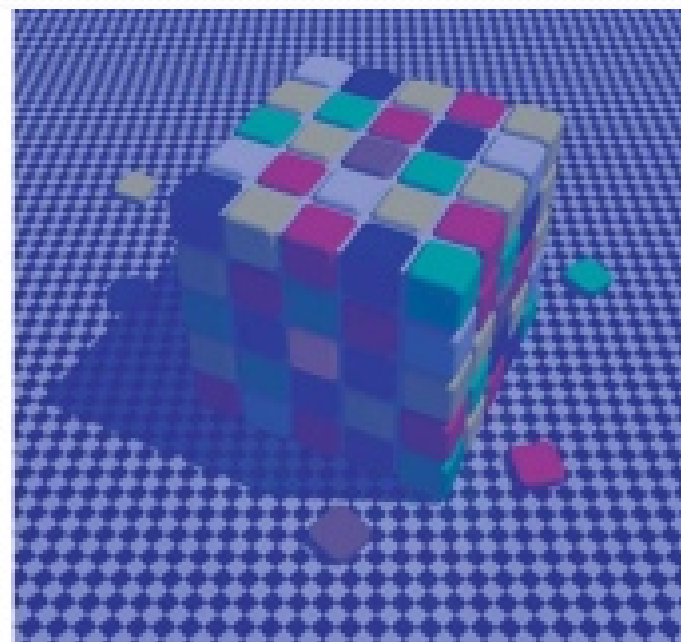
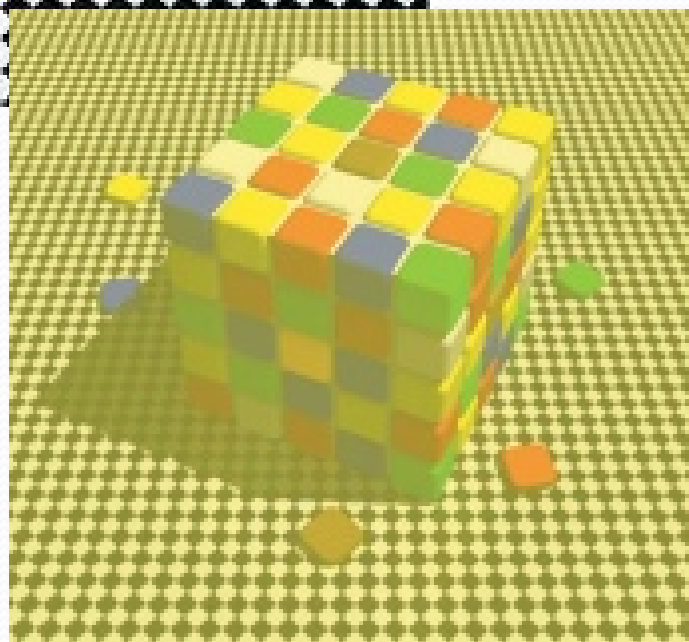
A.



B.







Optické klamy

- <https://i1.ytimg.com/vi/hvgOOKBvyQU/mqdefault.jpg>
- <https://www.youtube.com/watch?v=hvgOOKBvyQU>

Prehľad algoritmov

- An Overview of Color Constancy Algorithms
 - http://imaging.utk.edu/publications/papers/2006/jprro6_va.pdf

Úloha - White patch retinex

- Načítajte IR.jpg, IB.jpg

$$o_i(x, y) = \frac{c_i(x, y)}{L_{i, \max}}$$

- Upravte vstupný obrázok
 - C_i je vstupný obrázok
 - O_i je výsledný obrázok pre každý kanál vstupného obrázka
 - L_i je maximum pre každý kanál