

미시세계와 거시세계

4. 빛의 마술

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환상적인 빛의 마술



투명인간의 시력은?



투명 전투기 (Stealth Fighter)?



Lockheed Sea Shadow



Lockheed Sea Shadow



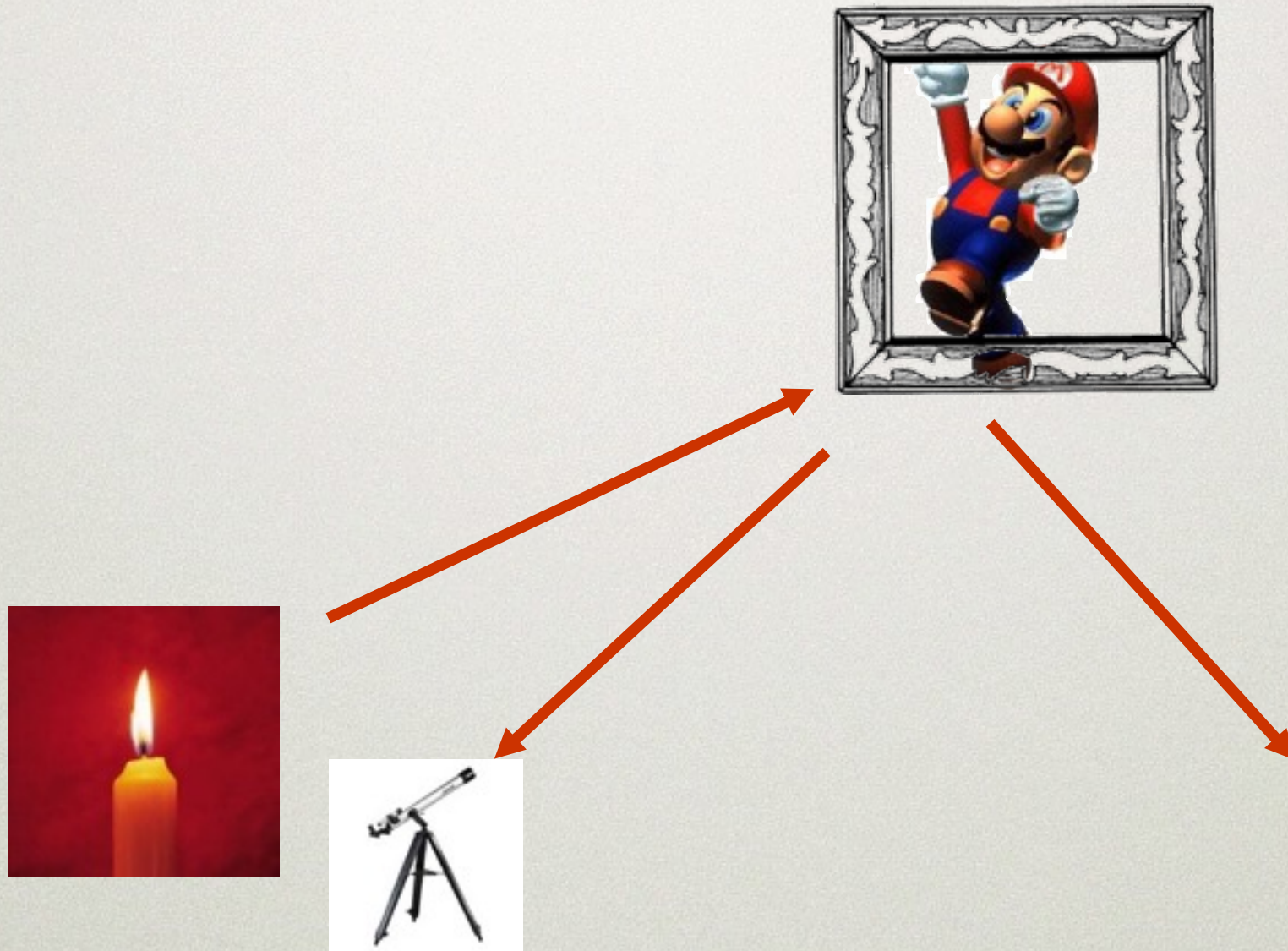
Magic and Illusion



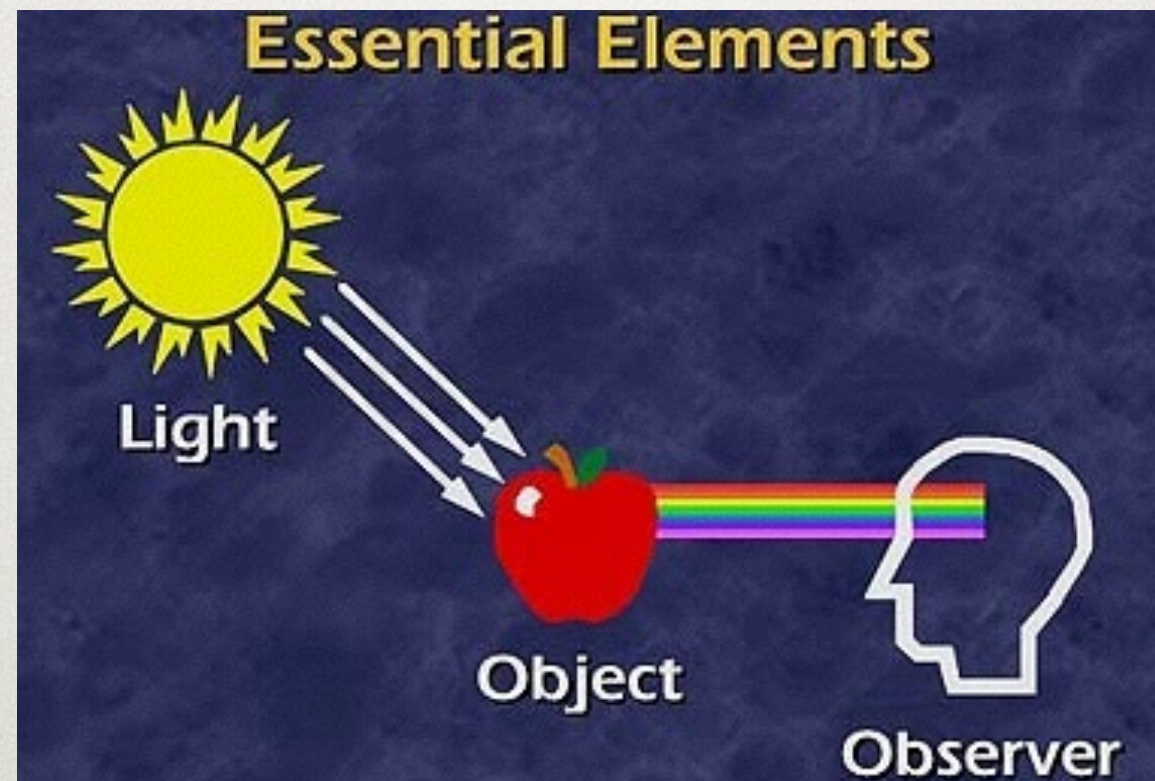
[Vanishing the statue of liberty: trick behind the scene?](#)



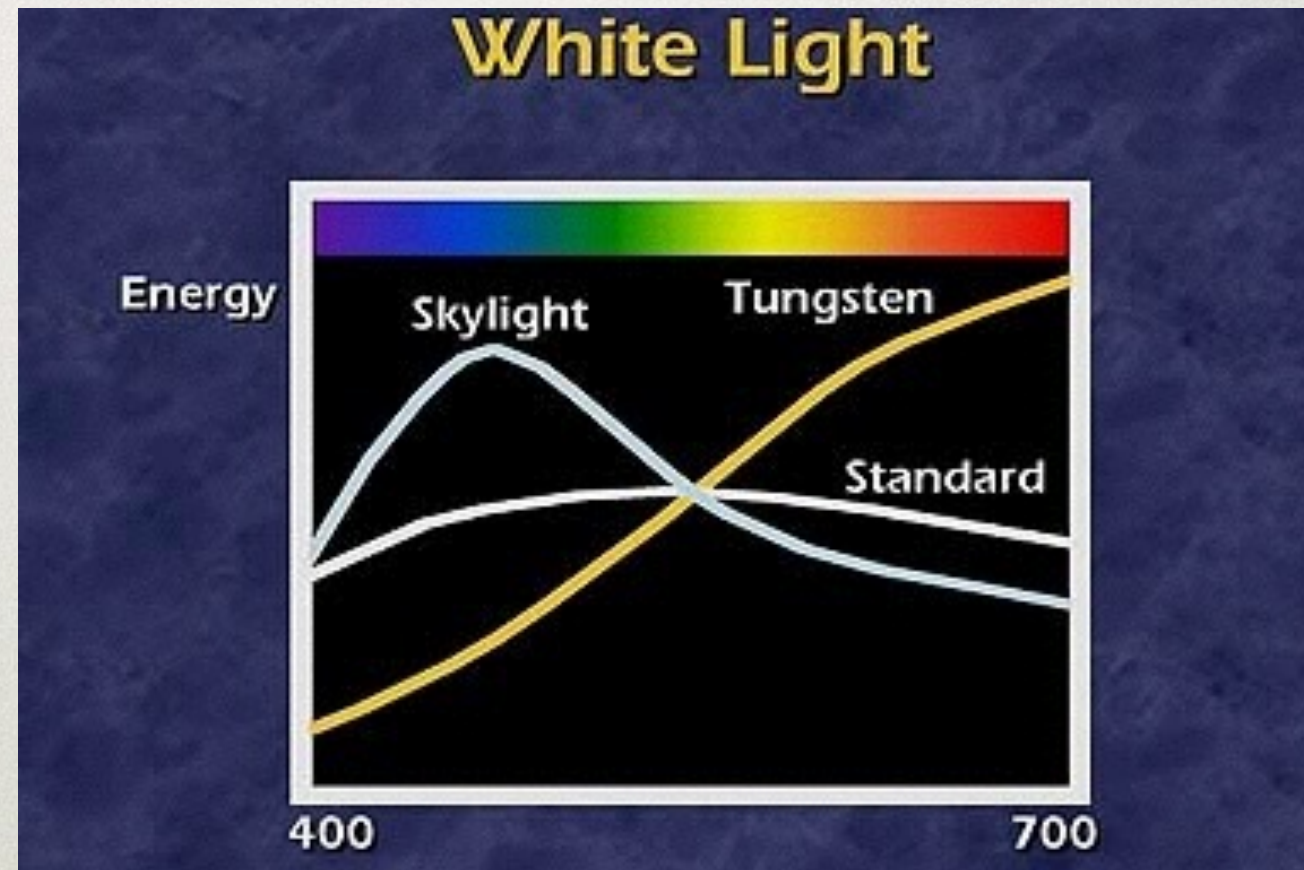
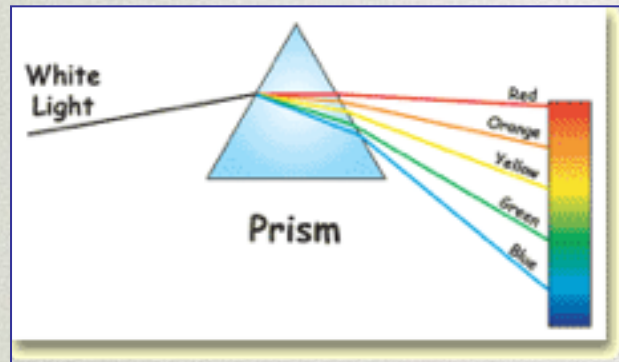
촛불로 밝힌 세상



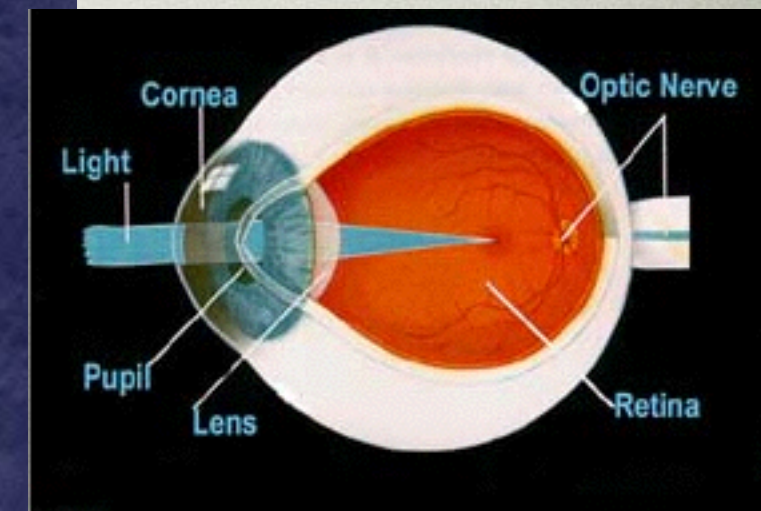
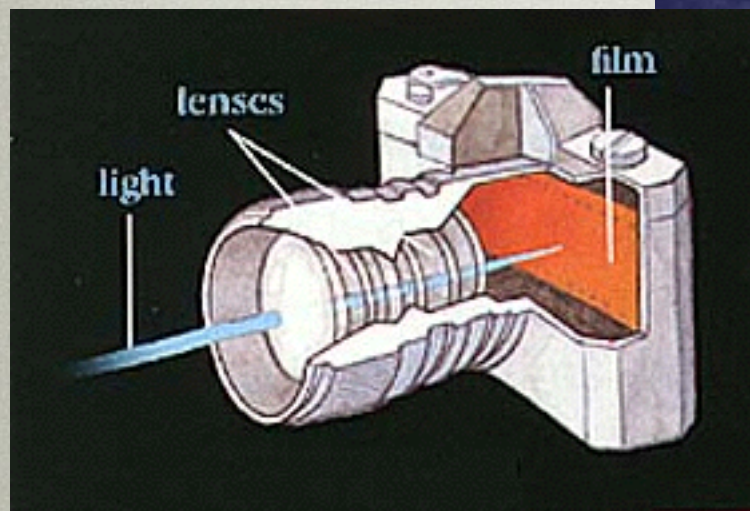
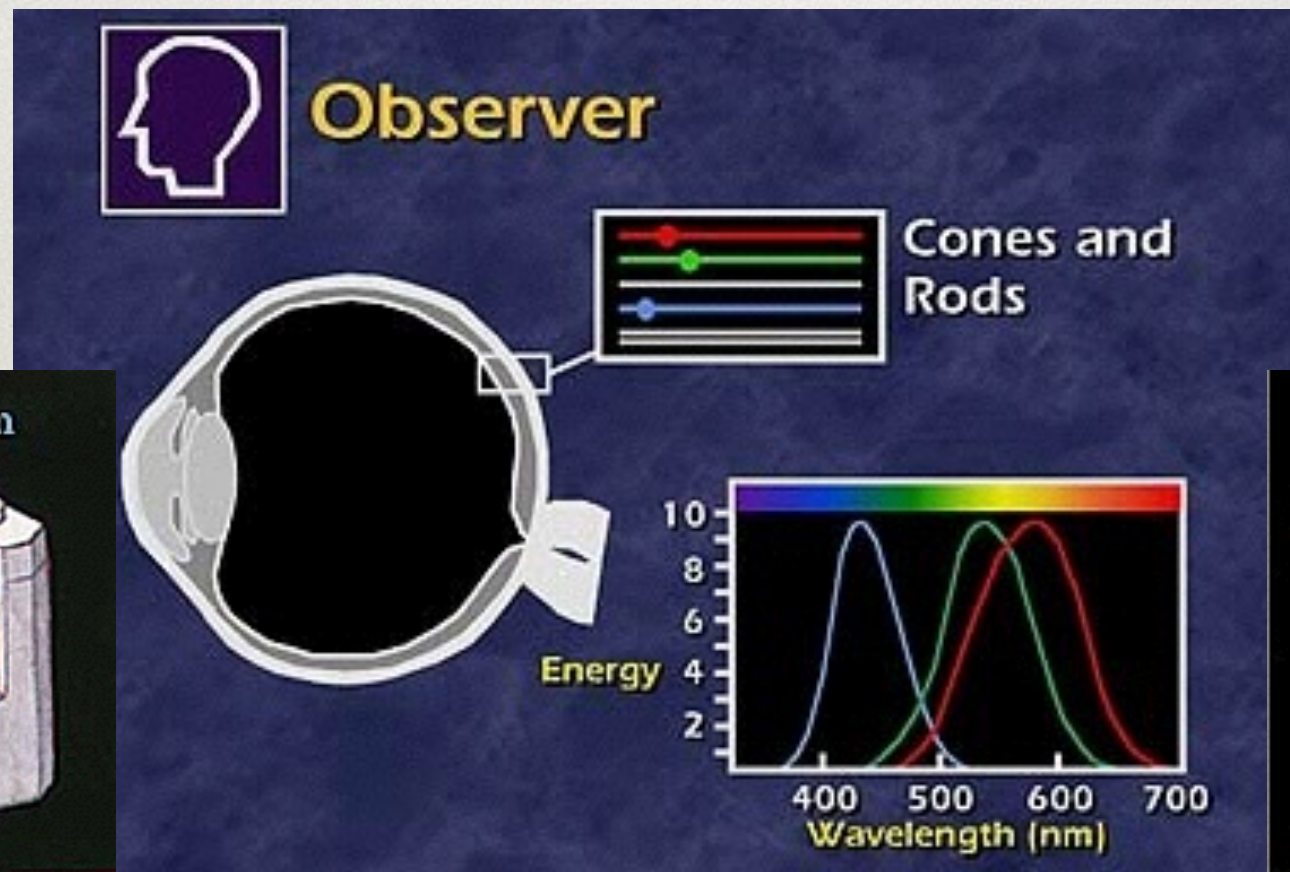
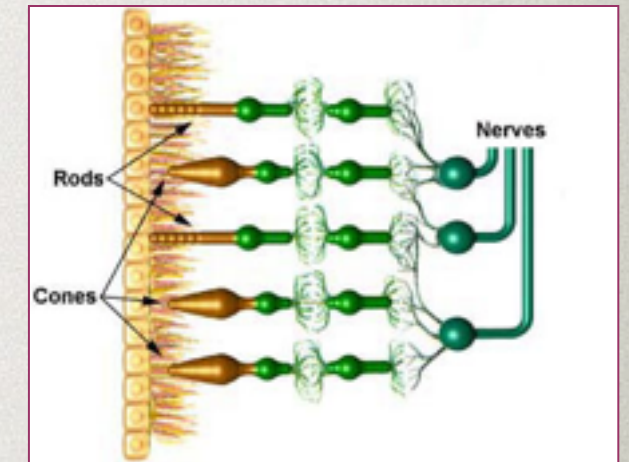
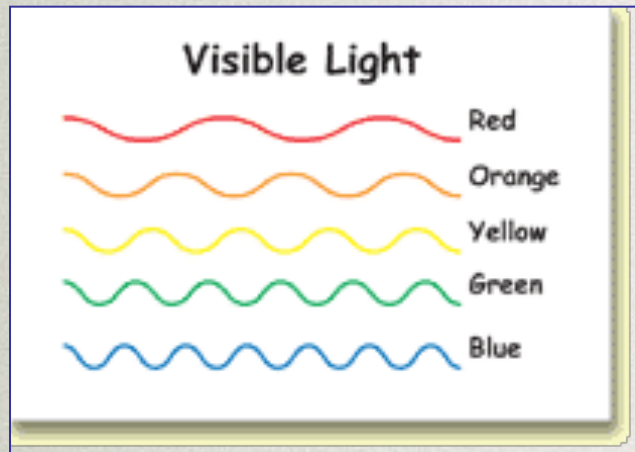
How to see?



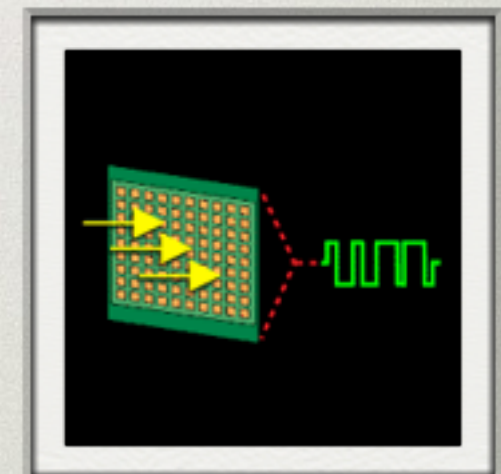
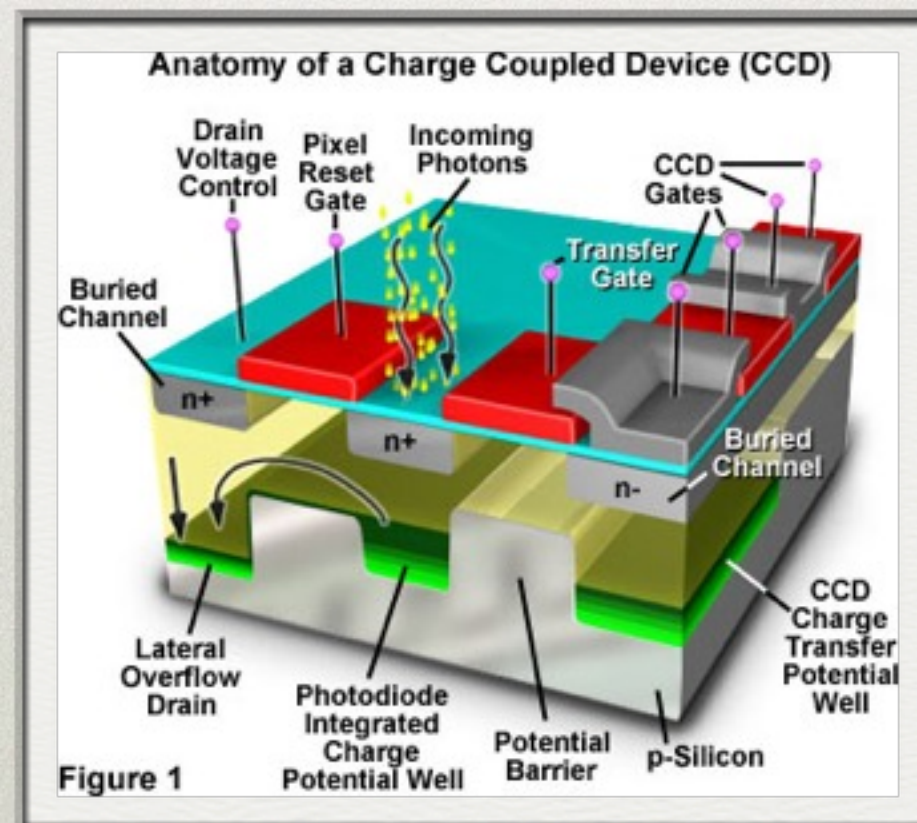
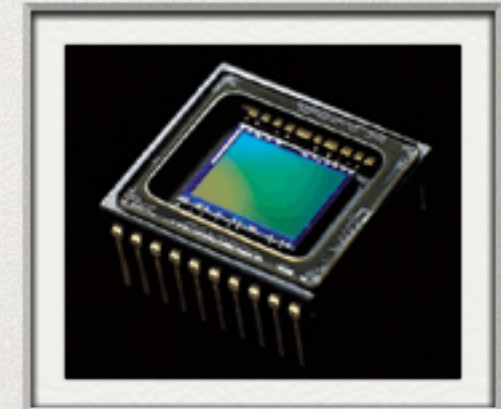
흰색이라고 모두 같은 흰색이 아니다?



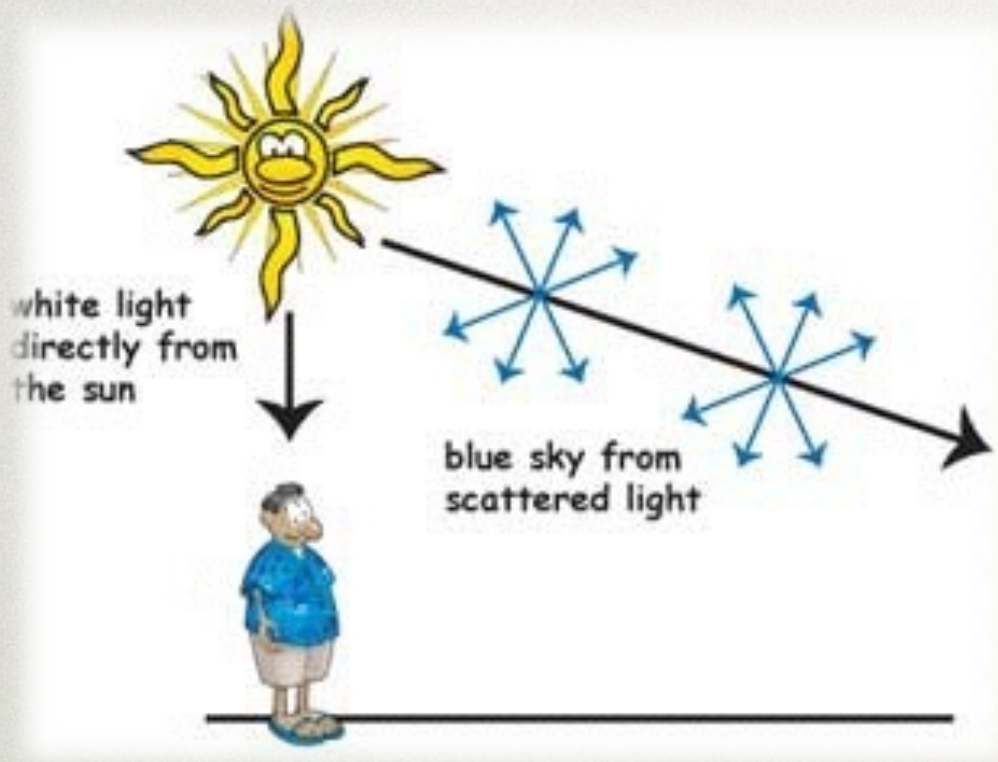
우리 눈은 디지털 카메라?



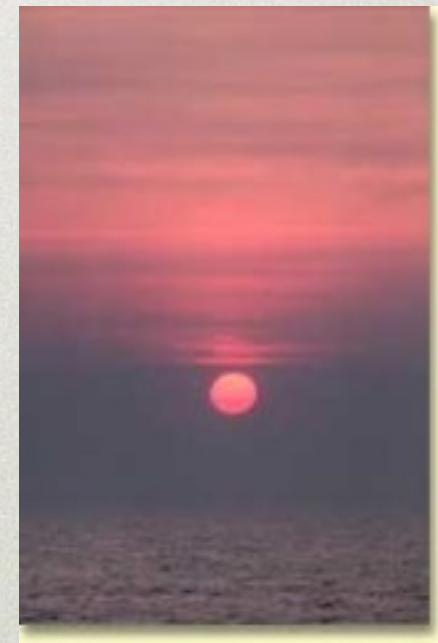
디지털 카메라의 망막



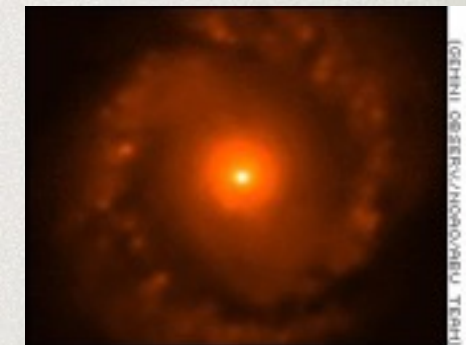
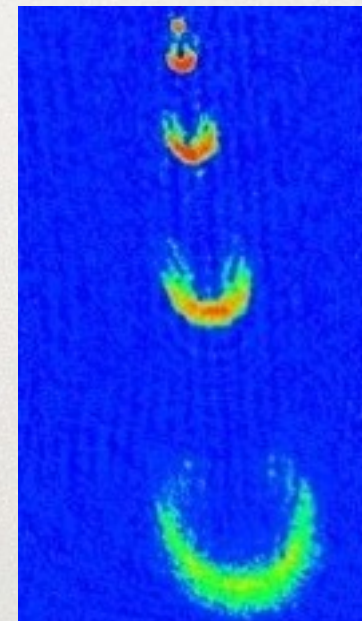
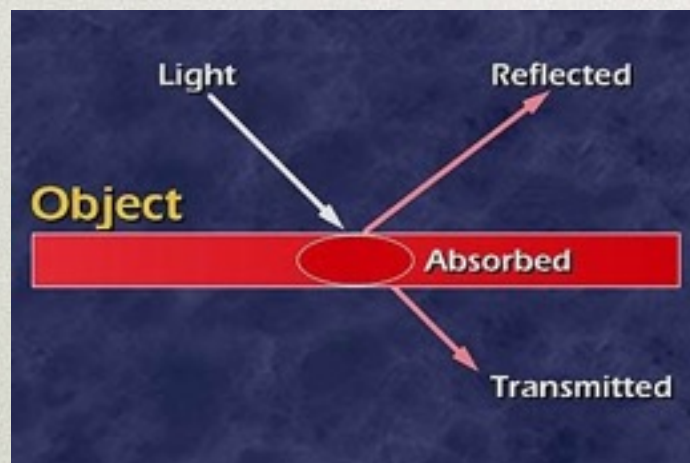
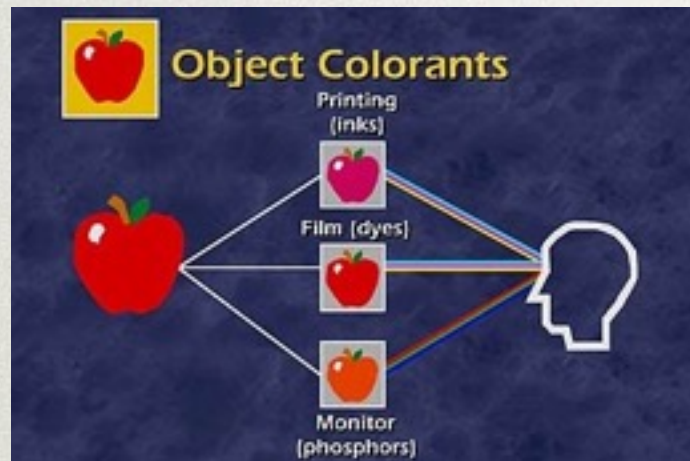
하늘이 파란 이유는?



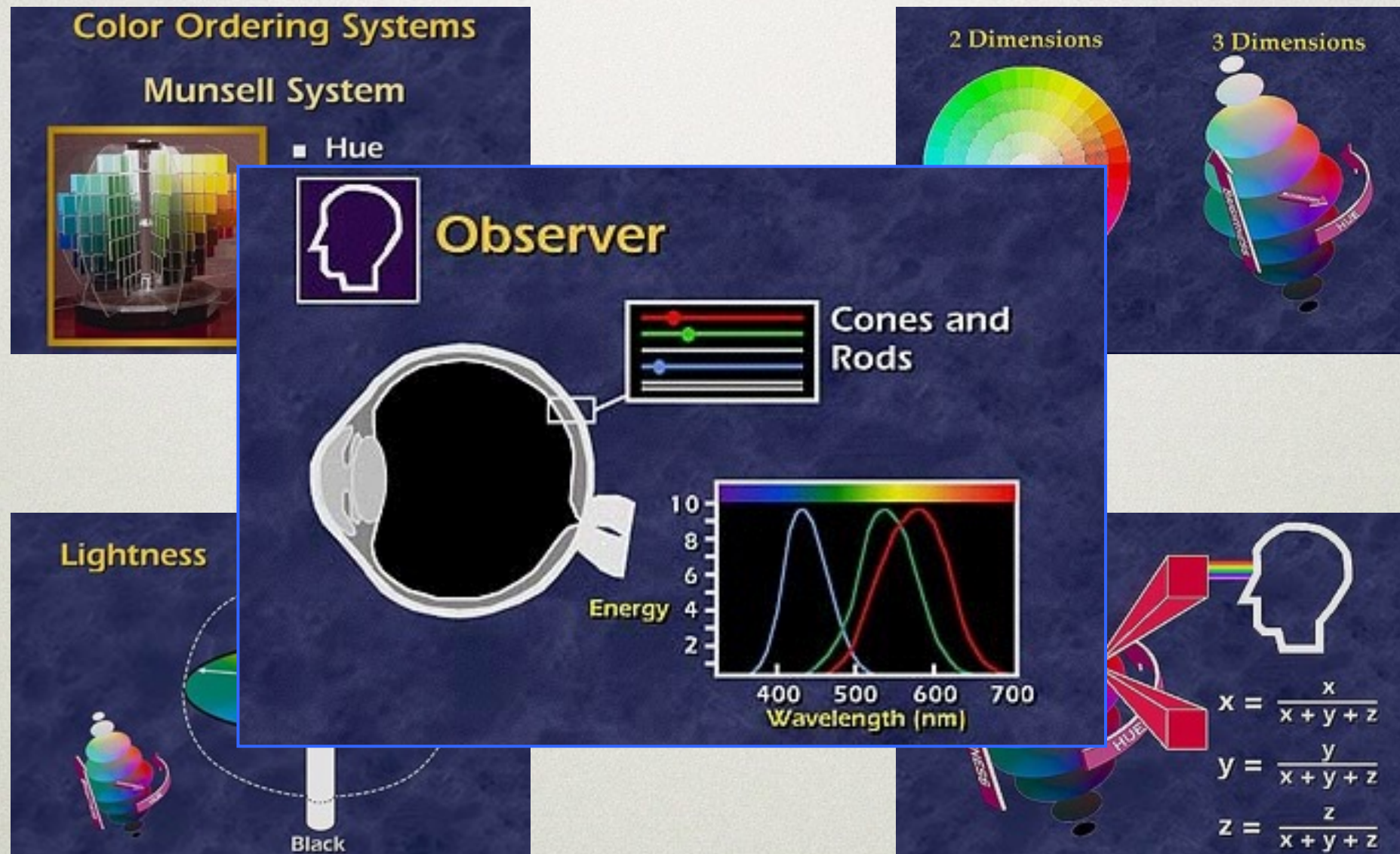
- 그렇다면, 저녁 노을이 빨갛게 보이는 이유는?



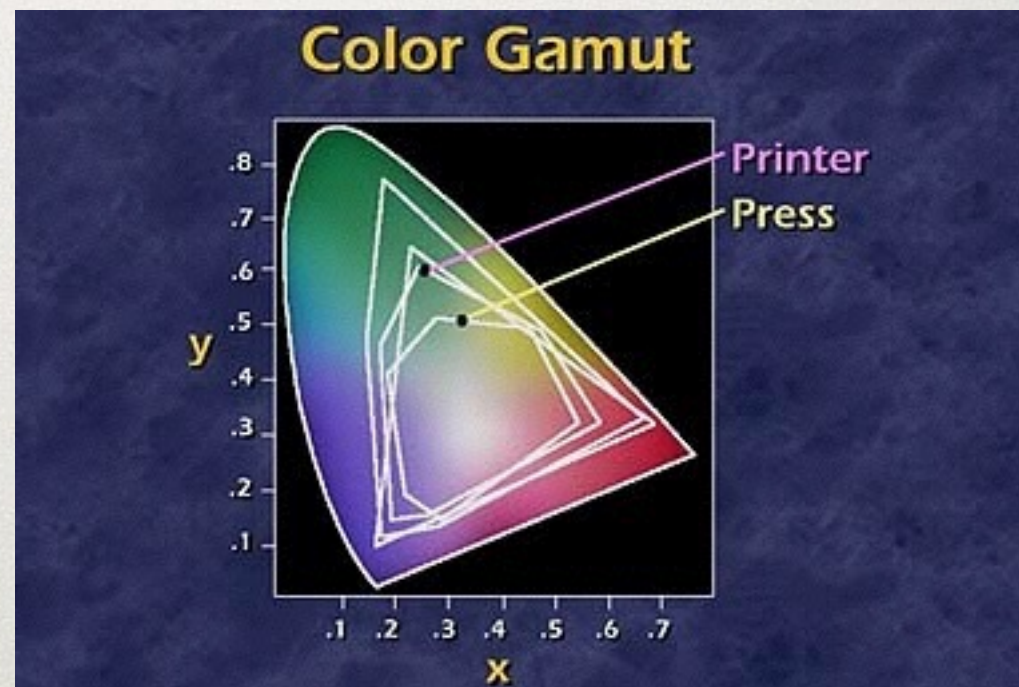
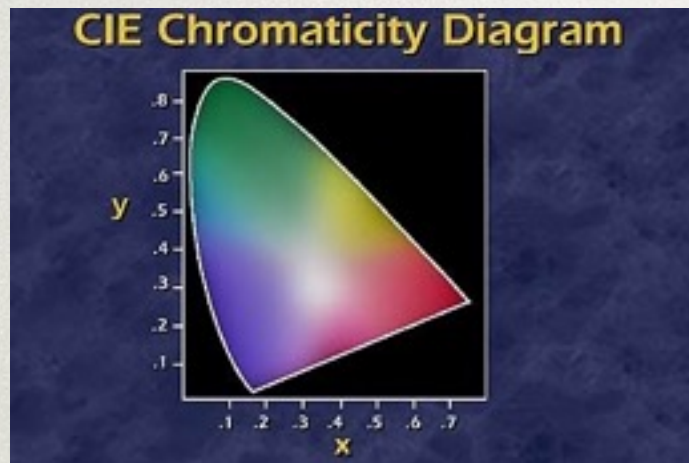
Seeing is believing



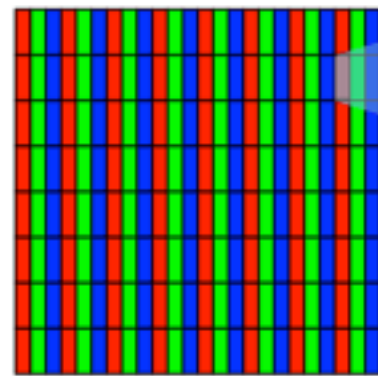
Color ordering system



Color Gamut



Monitor Screen ... RGB Color

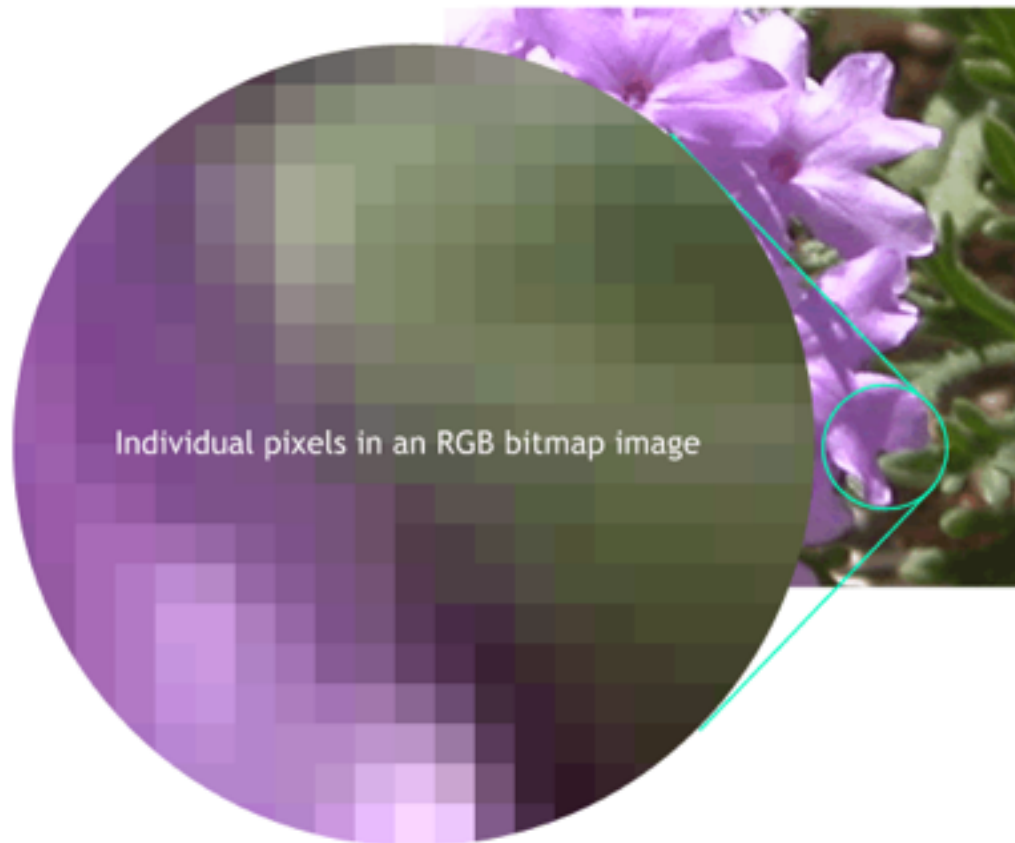


RGB pixels



An RGB pixel

RG



Individual pixels in an RGB bitmap image

Creating colors with RGB pixels

White



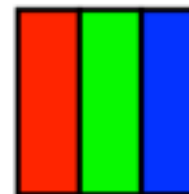
Black



Pale Blue



Gold



RGB
255, 255, 255



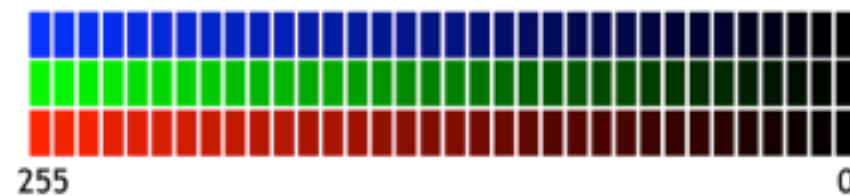
RGB
0, 0, 0



RGB
255, 239, 248



RGB
228, 189, 79

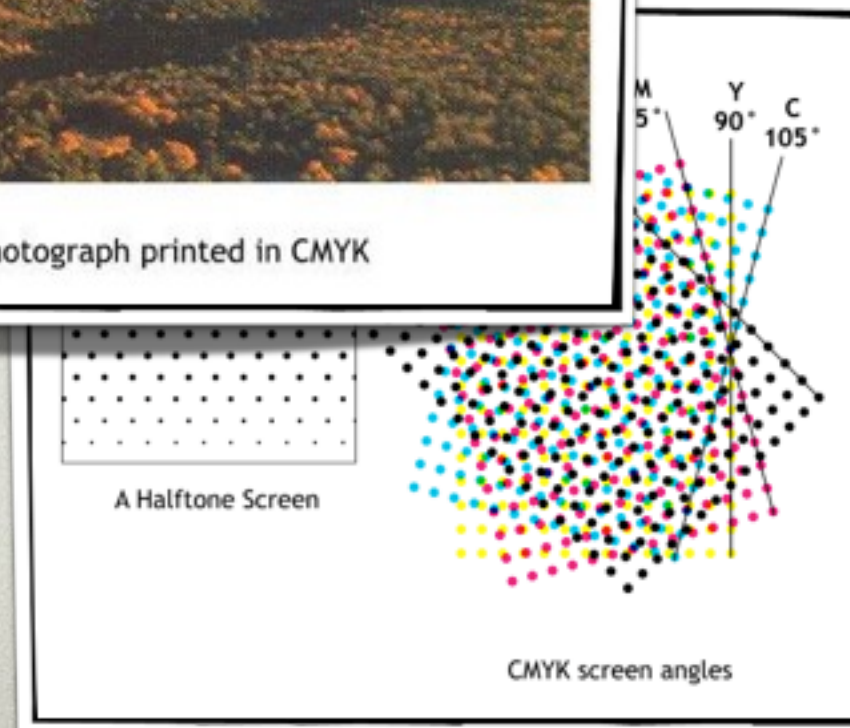
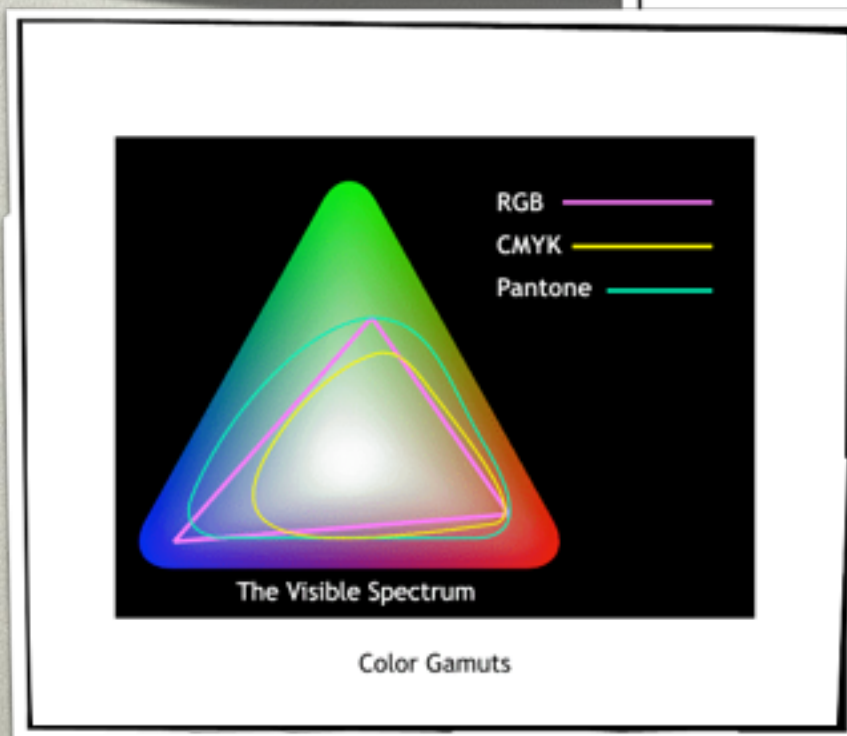
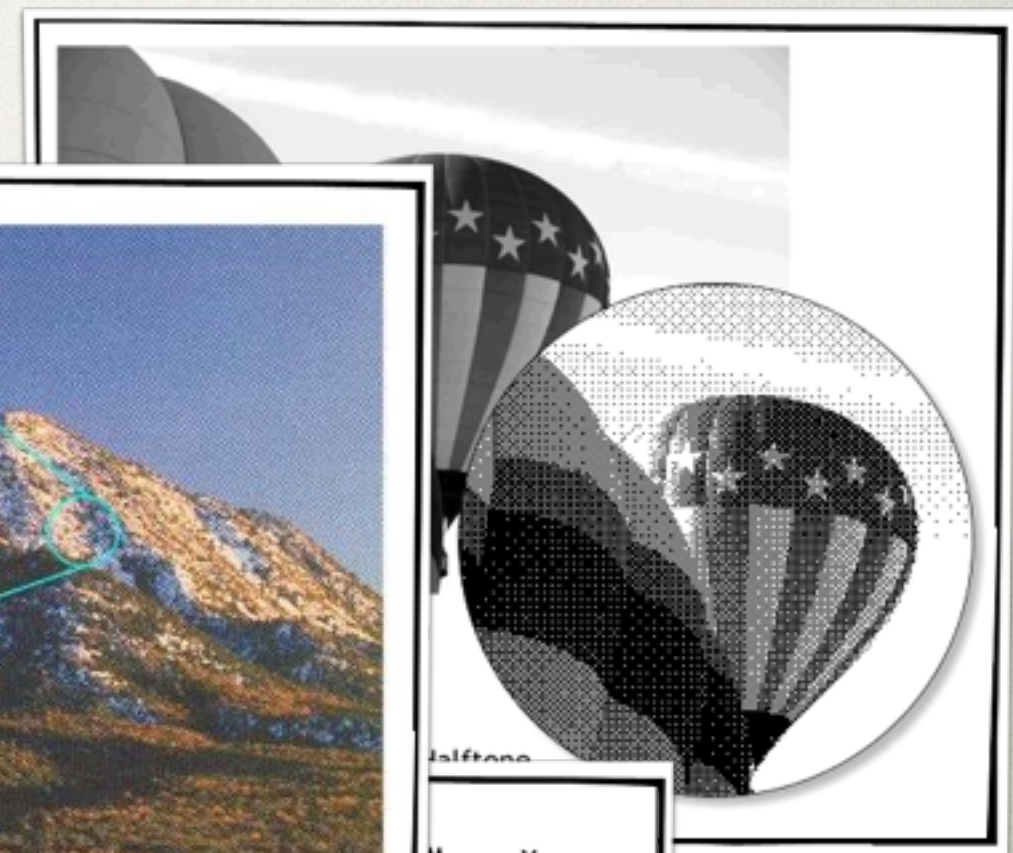
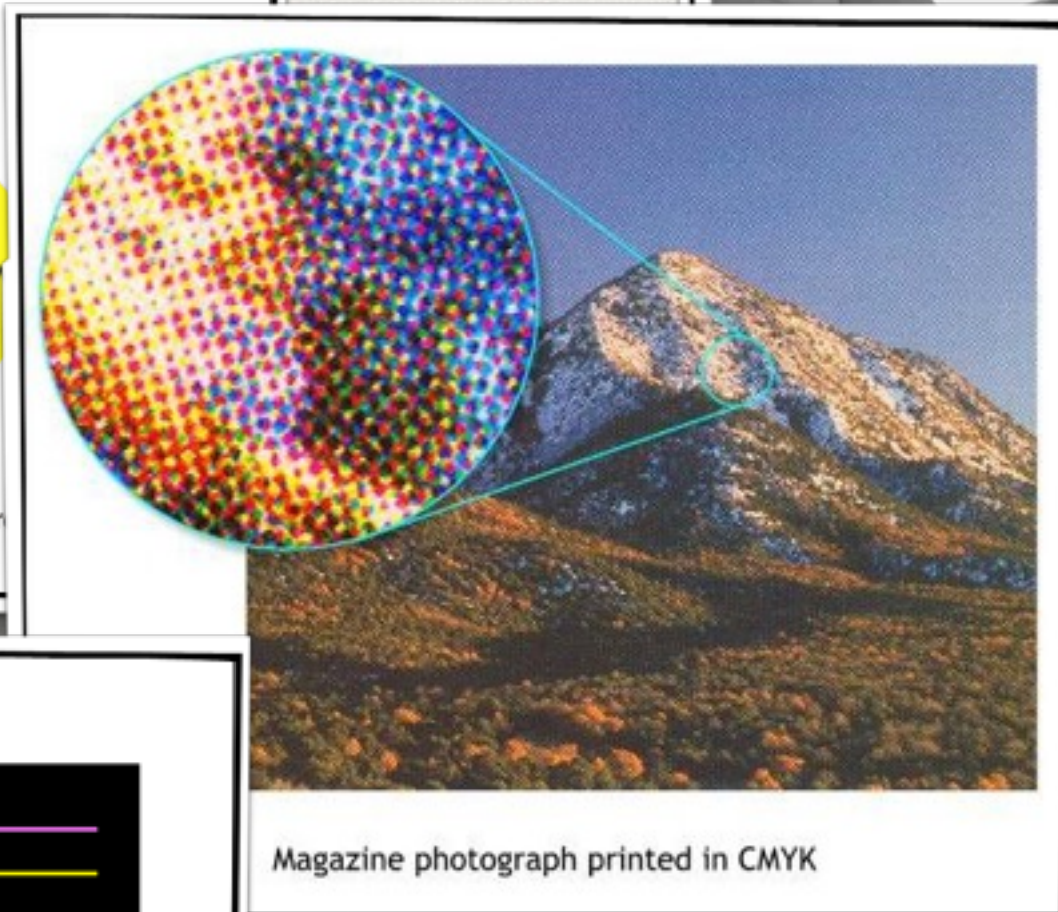
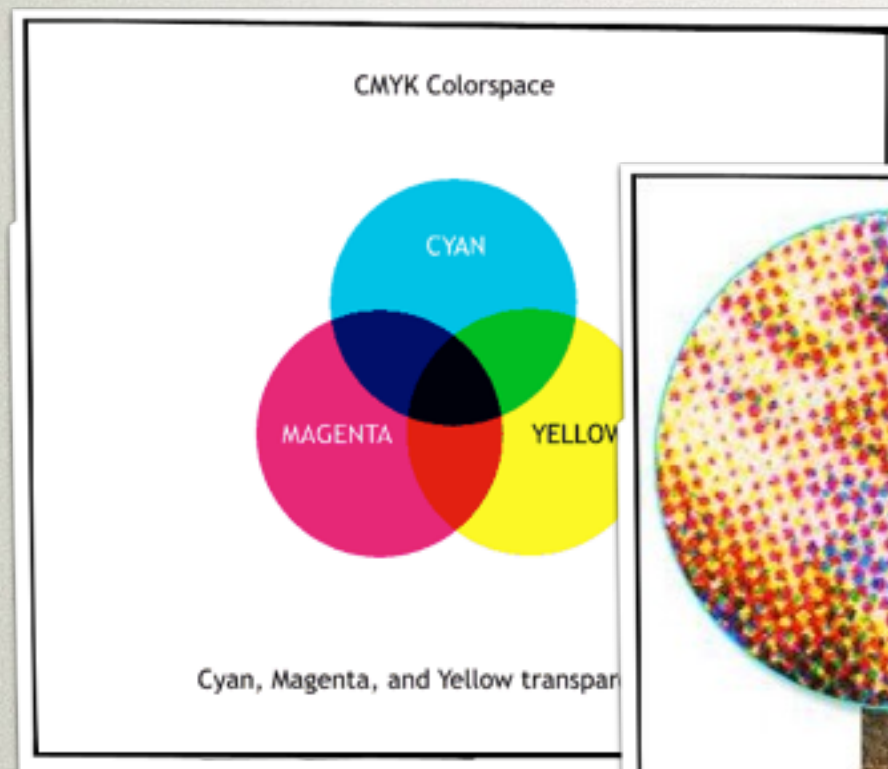


255

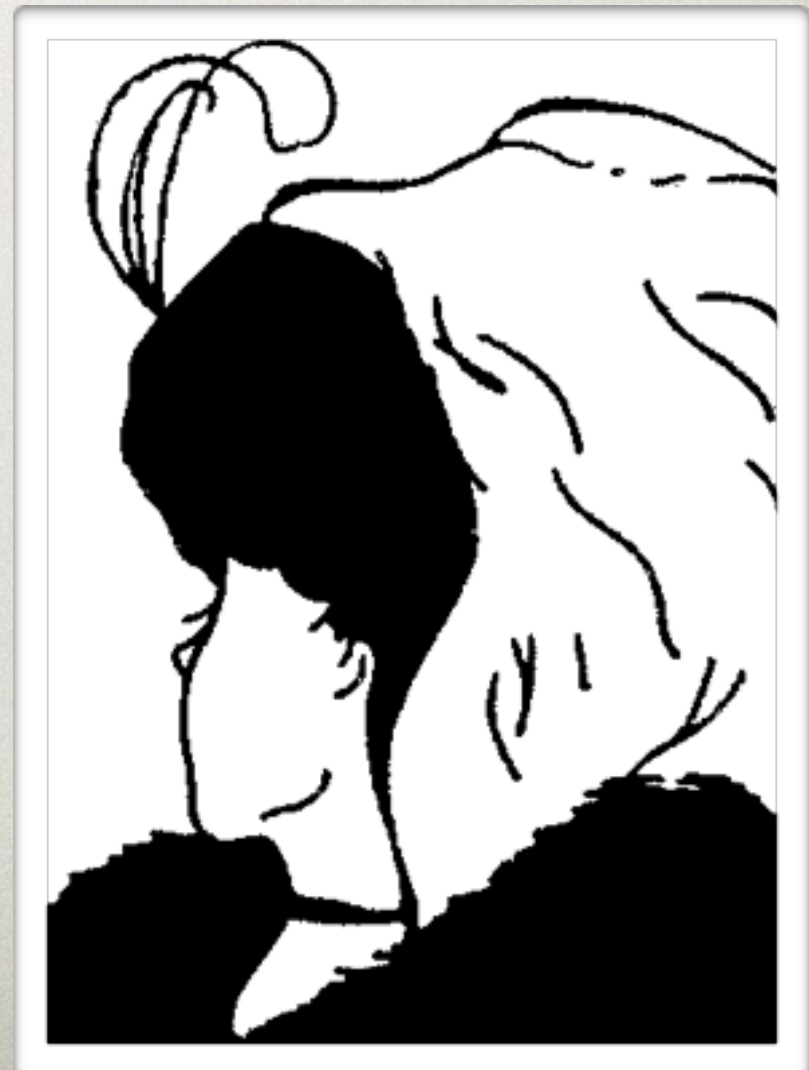
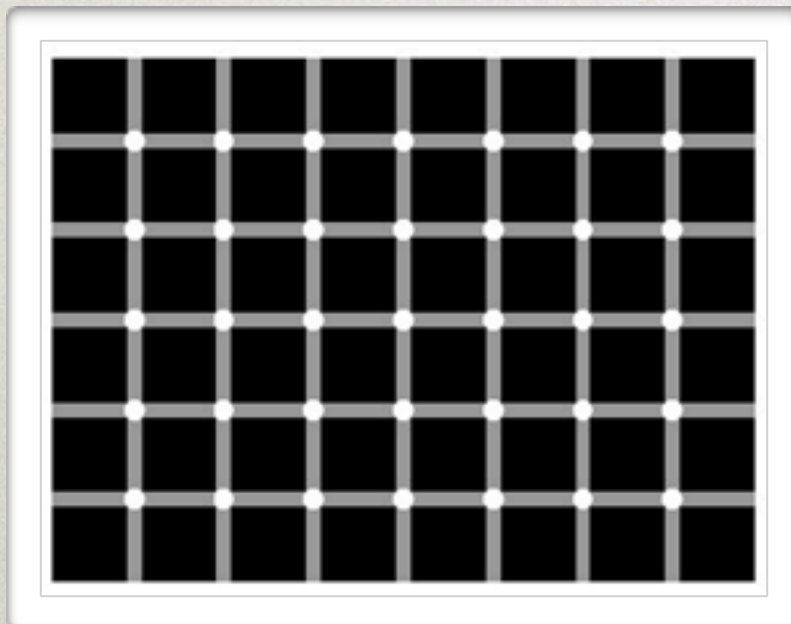
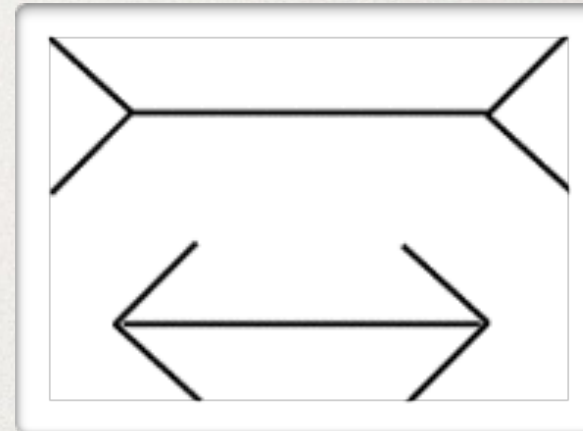
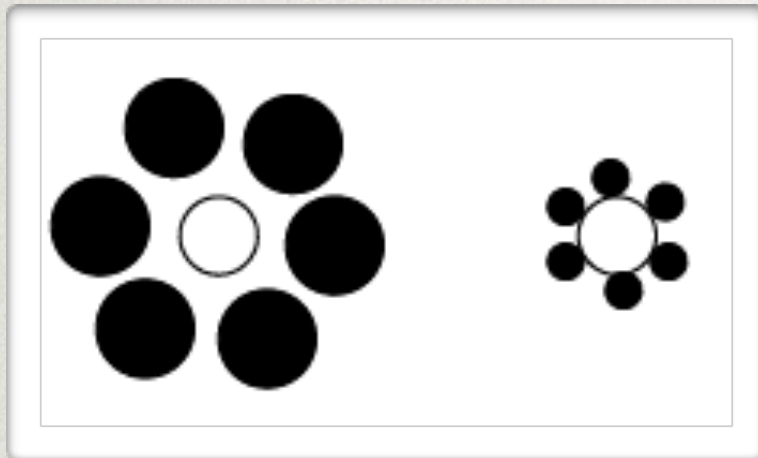
0



CMYK ... ?



How our vision works?



Pointillism



쇠라, “그랑드 자트 섬의 일요일 오후”
1884-86년, 캔버스 유채

만일 우리 눈의 센서가 적외선을 볼 수 있다면?

