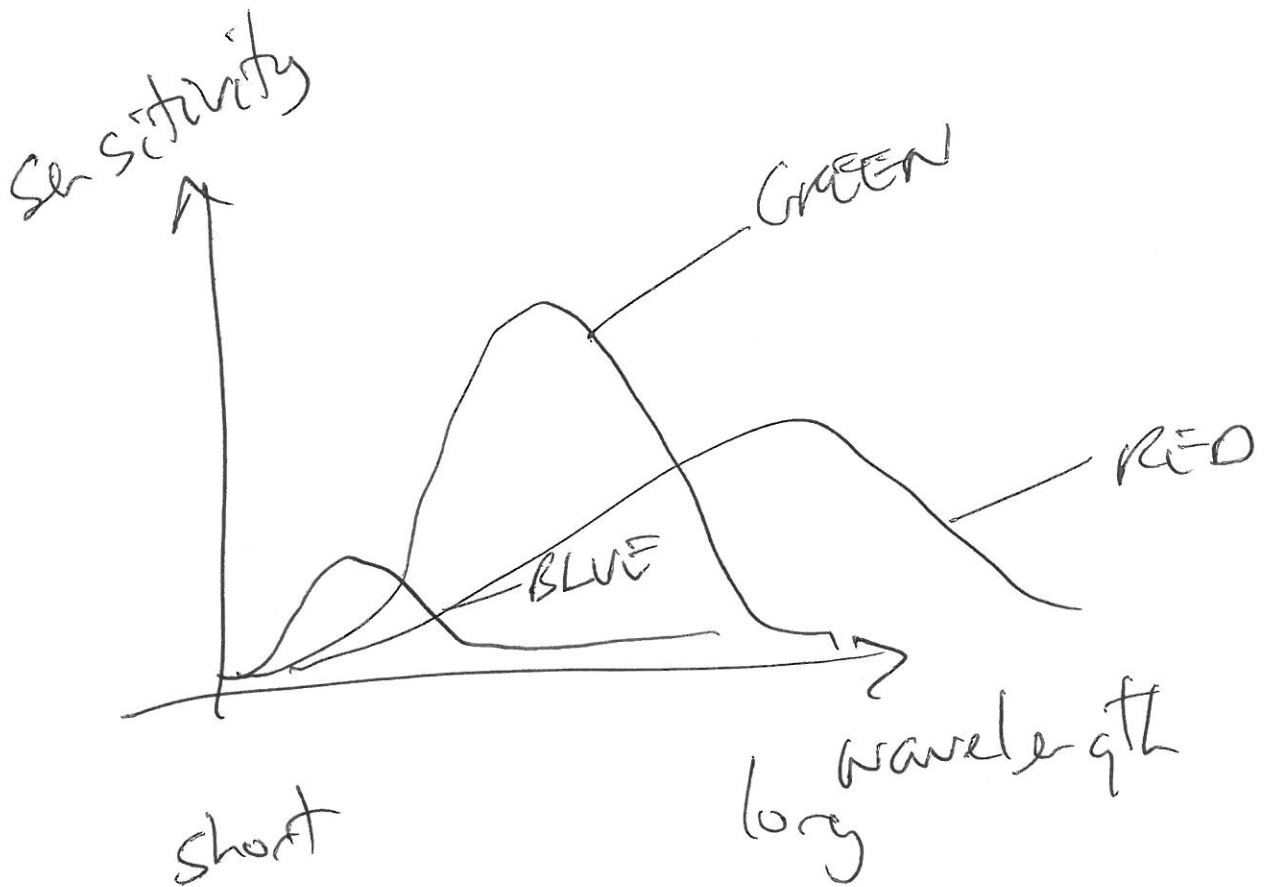


# Human Vision 2-12

a). human eye - physical model  
evolved for survival  
form image on fovea  
shape lens  
many sensors

rods  
photopic few  
 $10^8$

cones  
scotopic colour  
 $10^7$   
S (short) Blue  
M (medium) Green  
L (long) Red  
wavelength



brightness adaption introduces  
Mach Bands

b/. neural system - experimental

combines signals  
processing via lateral geniculate  
nucleus  
(LGN).

form colour



C Psychology

occipital cortex

associative cortex

needs training  
easily deceived

patterns/texture  
links