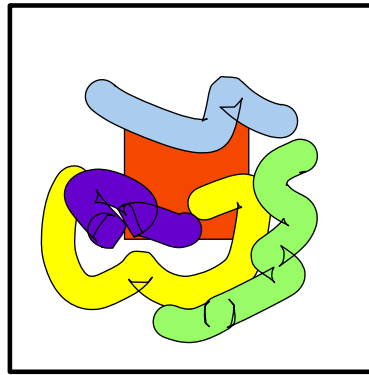
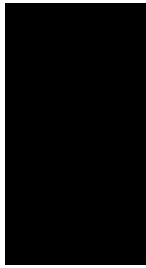


# Colour Blindness Filters

## Original

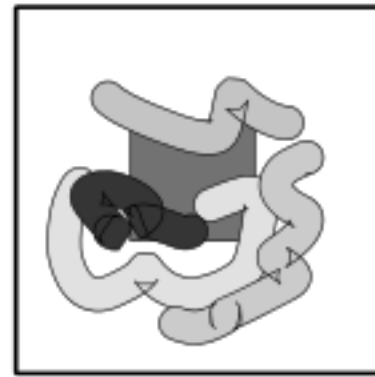
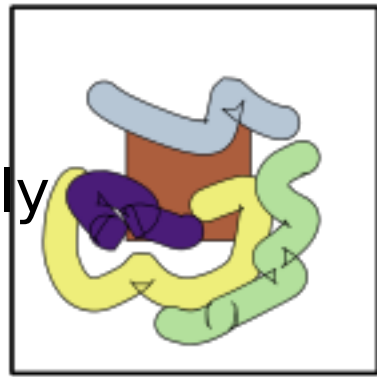


Note, values taken from:  
<http://www.colorjack.com/labs/colormatrix/>

These filters will not correctly reflect actual color blindness for 2 main reasons:  
 1) All people are different, and are affected by different things  
 2) These filters are done in RGB color space, and not in a perceptual color space

To change the picture used, simply enter the image ID and paste in a different picture

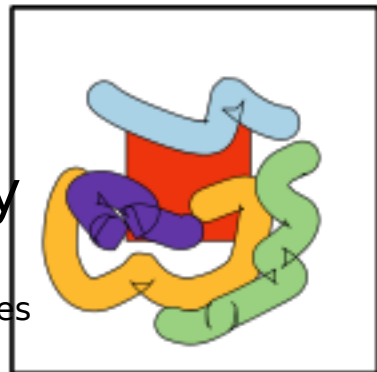
## Achromatomaly



## Achromatopsia

## Tritanomaly

equally rare for males and females

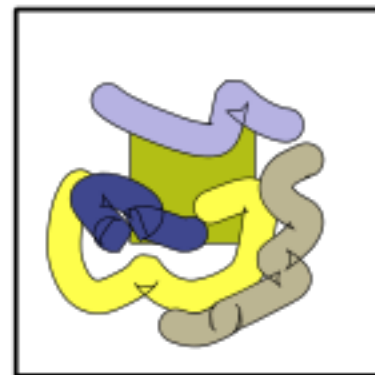
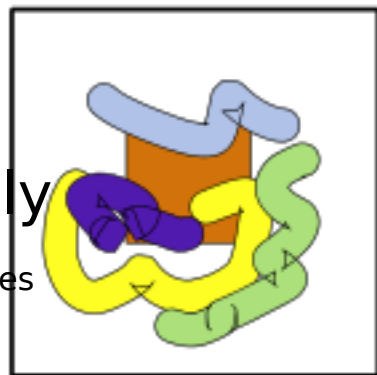


## Tritanopia

less than 1% of males and females

## Deuteranomaly

6% of males, 0.4% of females

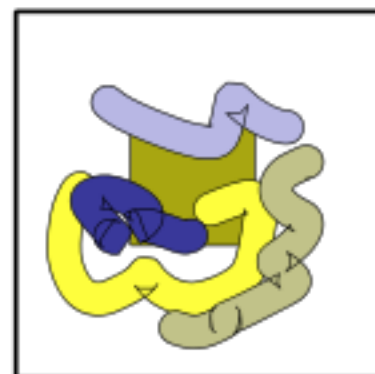


## Deuteranopia

1% of males

## Protanomaly

equally rare for males and females



## Protanopia

1% of males