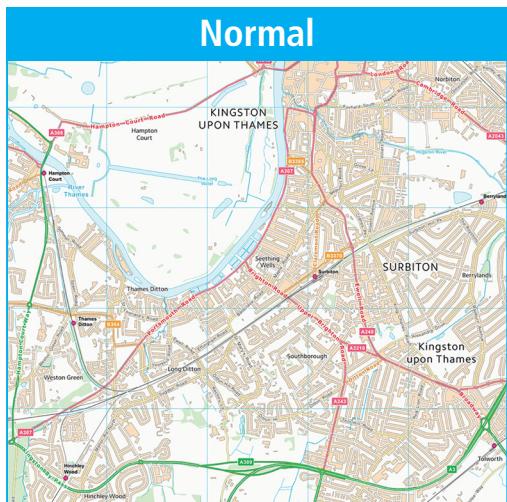
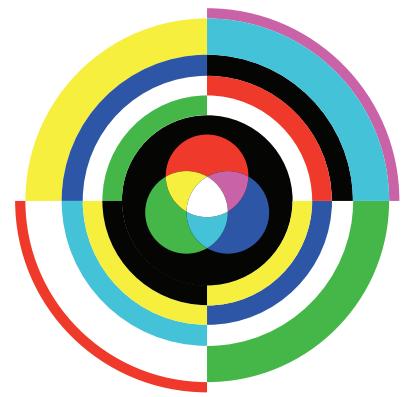
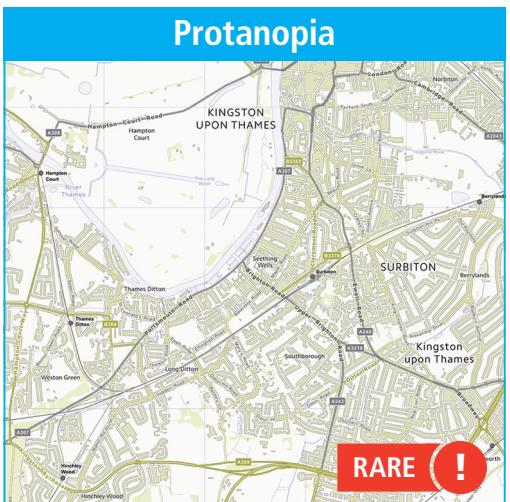


Do you see what I see?

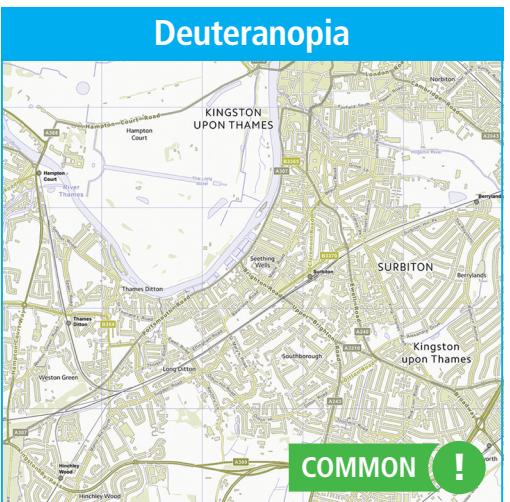
Designing maps for people with colour blindness –
more accurately “Colour Vision Deficiency” (CVD)



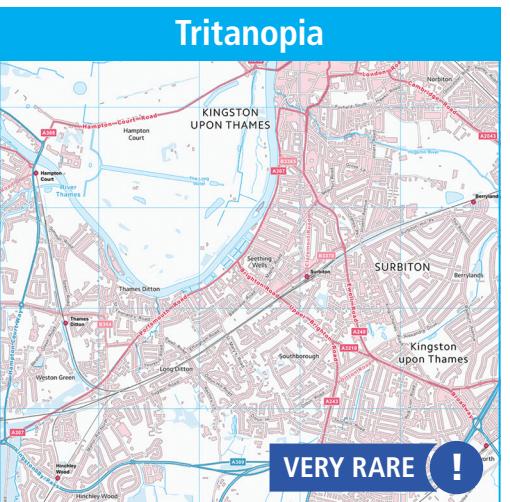
Normal



Protanopia



Deutanopia



Tritanopia

On average 1 in 12 (8%) men are affected by CVD



...and 1 in 200 (0.5%) women...

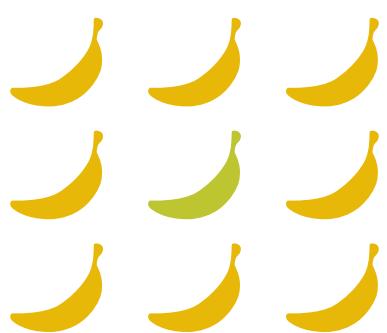
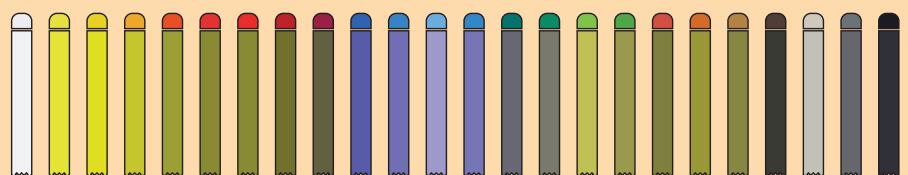


...varying dramatically by race.

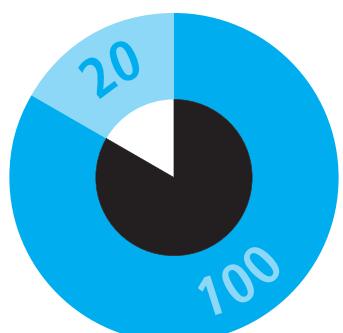
Famous people with CVD



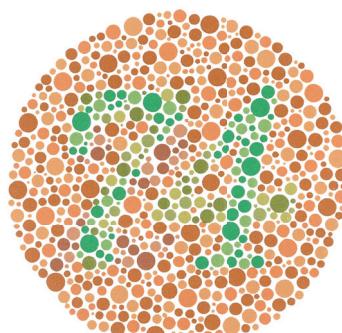
Statistically, a moderate red/green sufferer can only fully identify 5 coloured pencils from a box of 24



Many colourblind people have problems with matching clothes and buying ripe bananas.



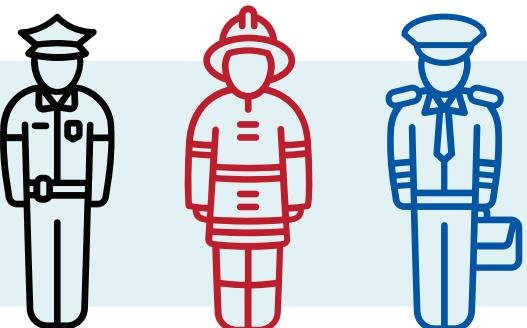
People without CVD can identify up to 100 hues. Those with absolute CVD can identify as few as 20.



Ishihara plates are the best known test for CVD.
74? 71? 21?



Do Brits spell colour with a 'u' just to annoy their American cousins?



Professions which may be compromised by CVD:

- Airline pilot
- Air traffic controller
- Firefighter
- Police officer
- Armed Forces
- Electrical/Electronic engineer

