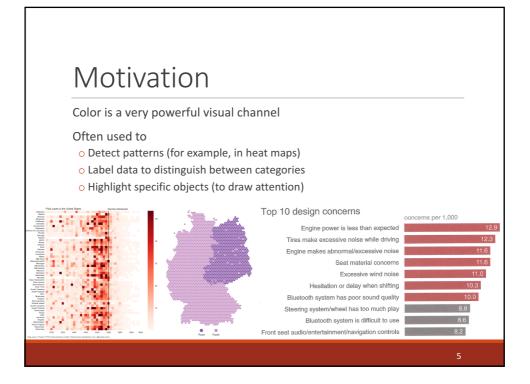
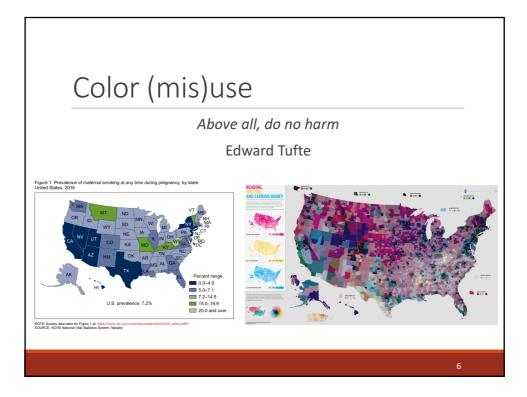
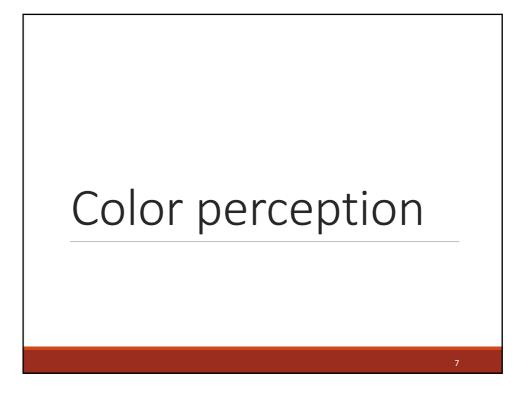
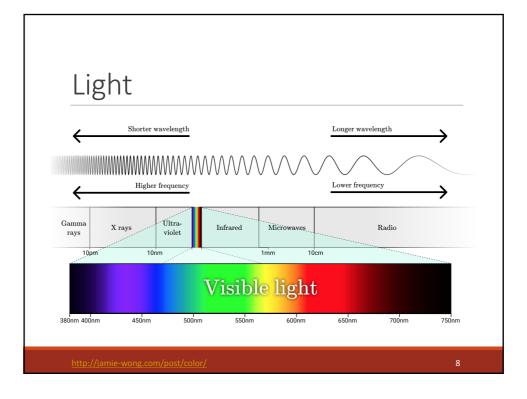


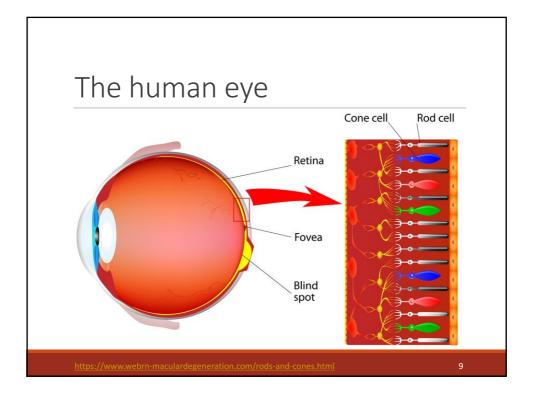
Motivation

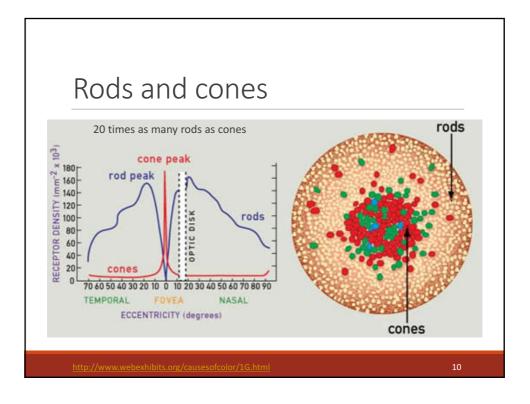


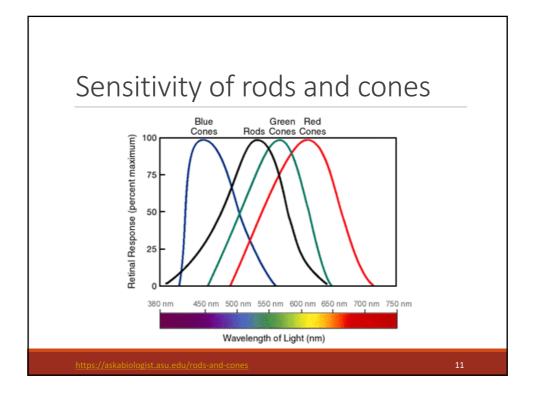


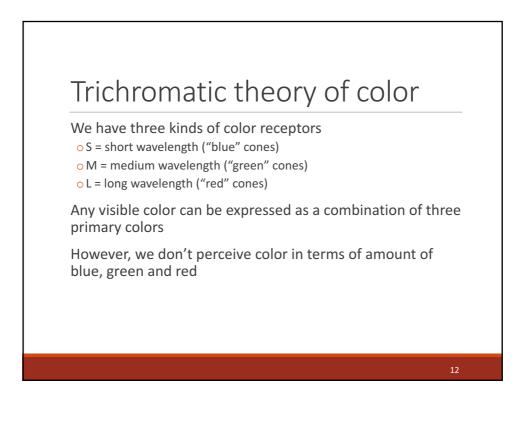


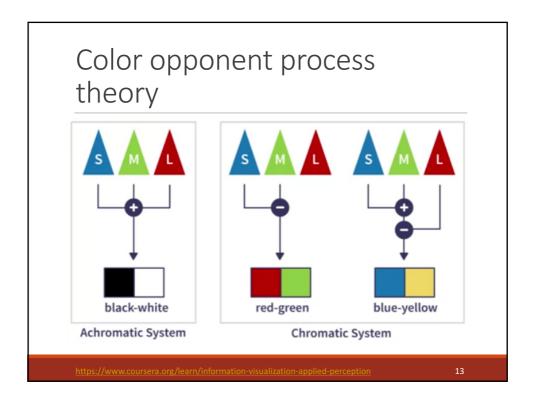


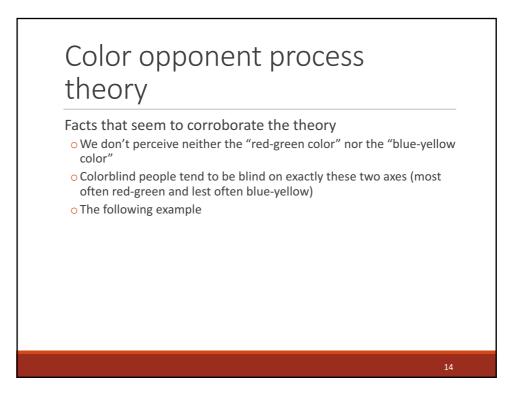


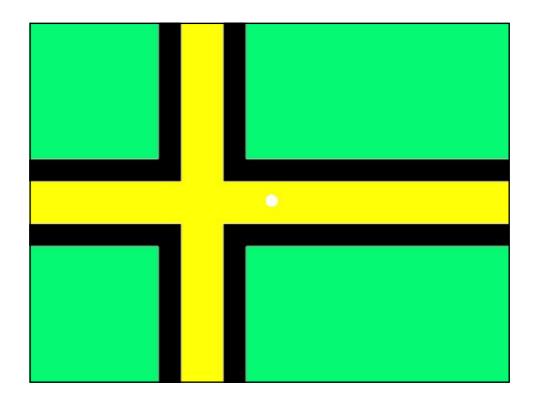


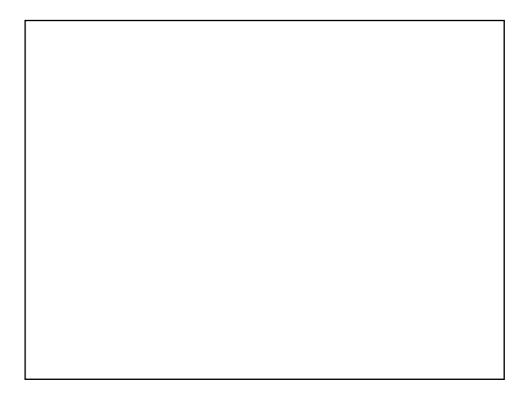










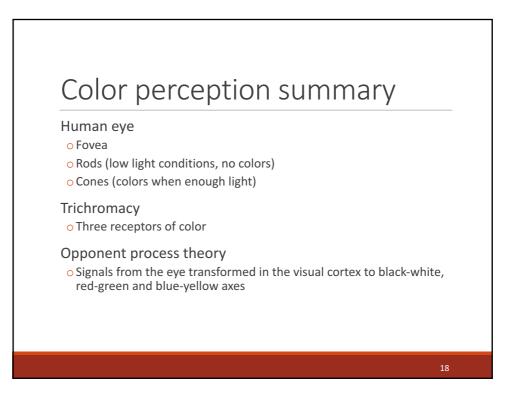


Color opponent process theory

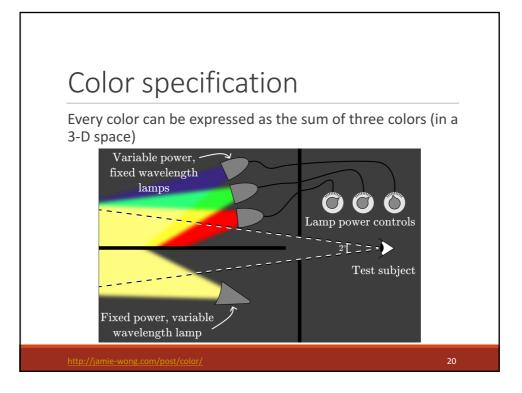
Facts that seem to corroborate the theory

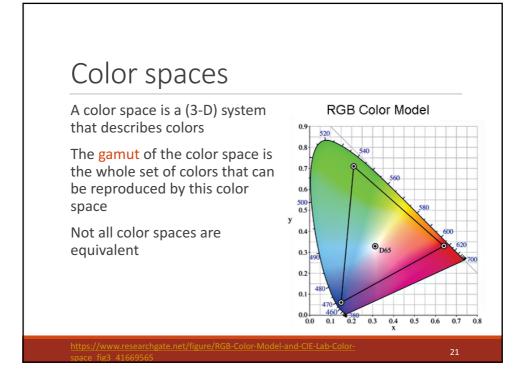
- We don't perceive neither the "red-green color" nor the "blue-yellow color"
- Colorblind people tend to be blind on exactly these two axes (most often red-green and lest often blue-yellow)
- The previous example

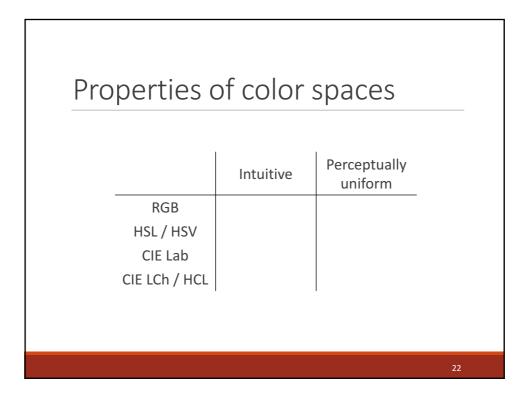
After staring at these colors, the sensors inhibit them and you see their opposites

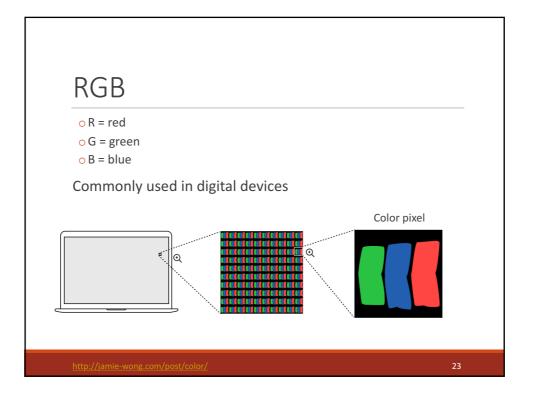


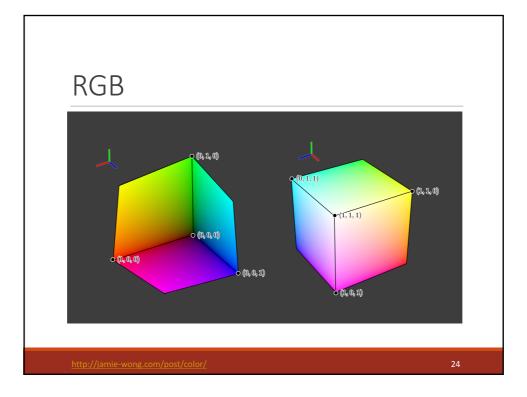
Color specification

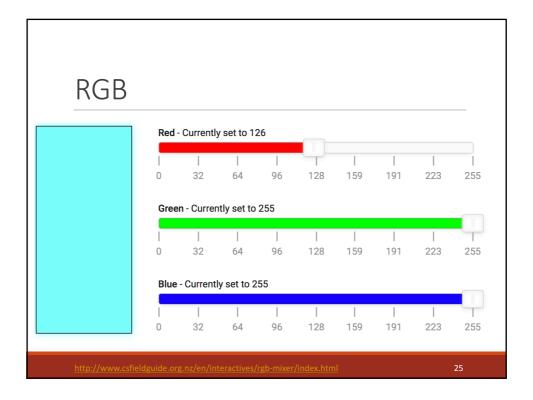


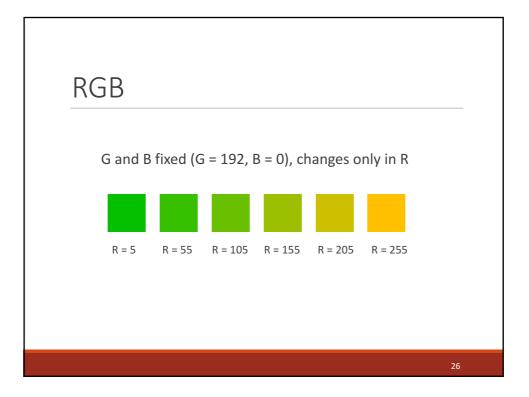


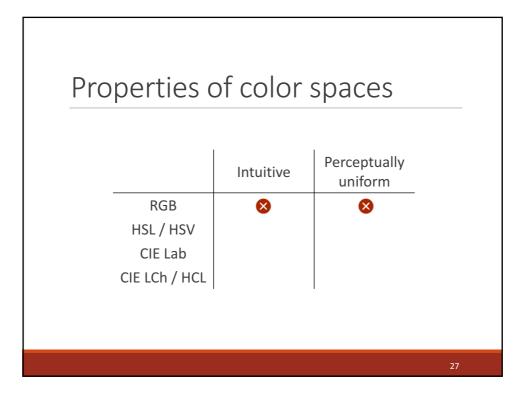


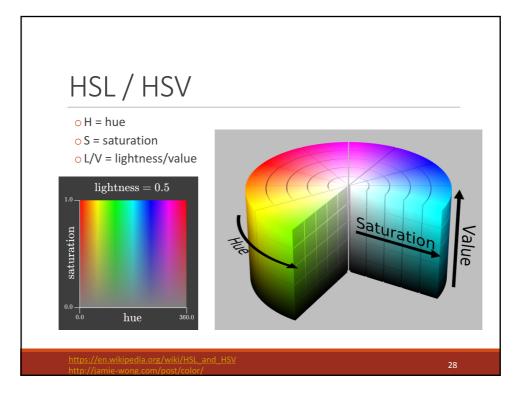




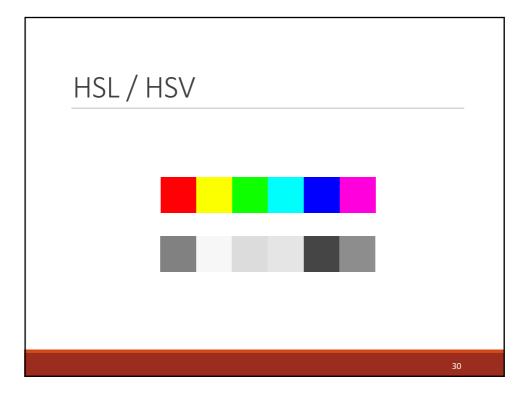


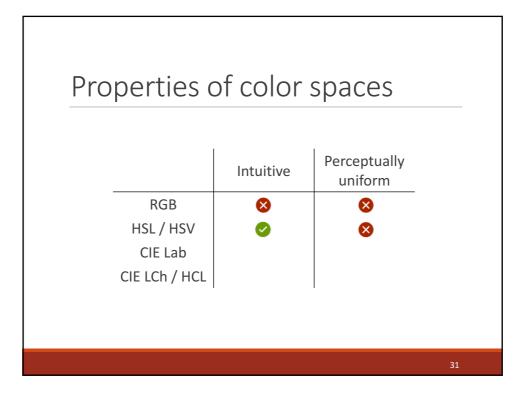


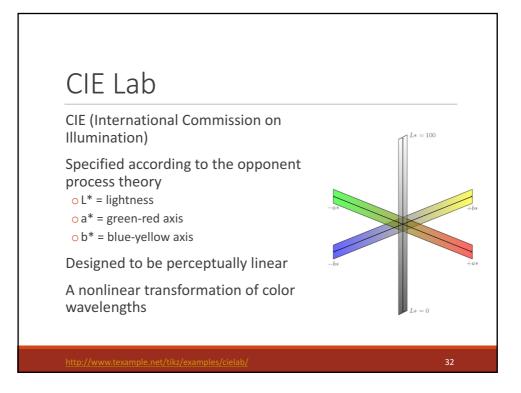


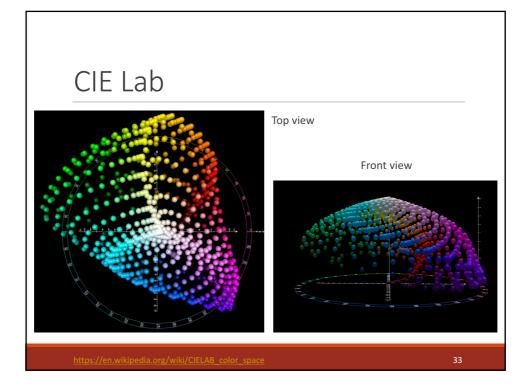


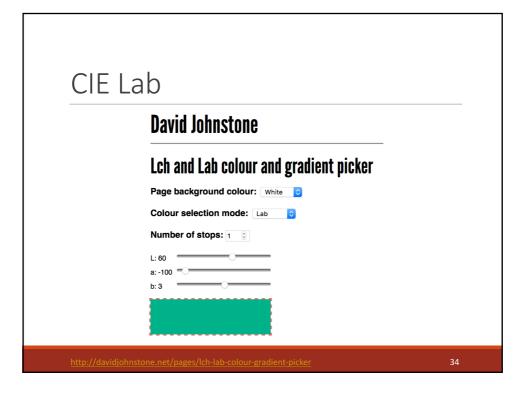


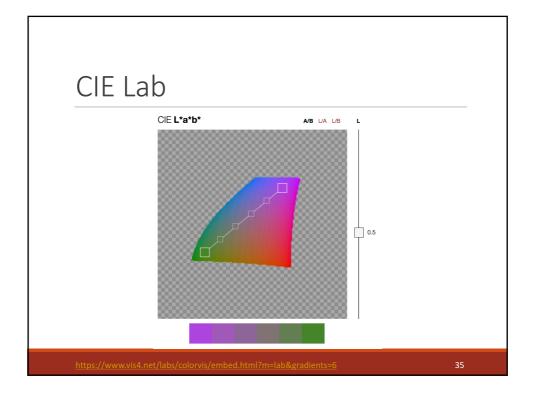


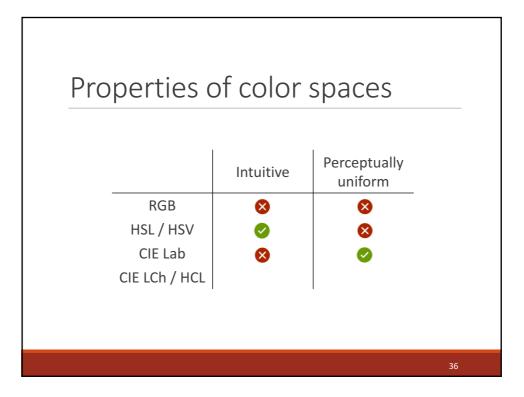


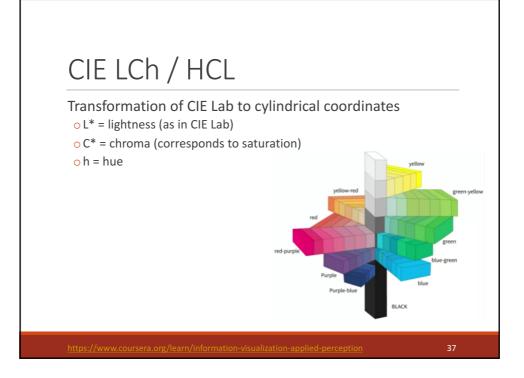


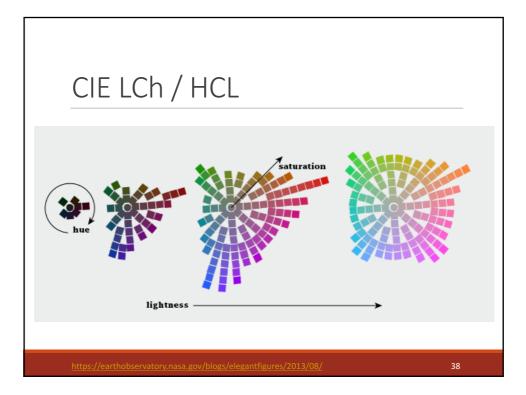




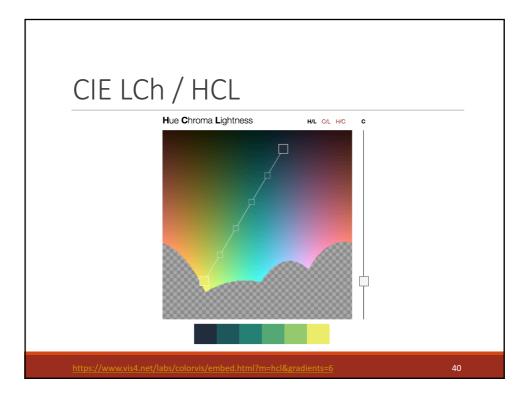


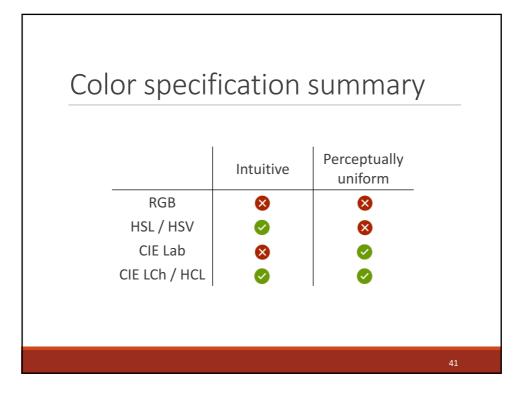


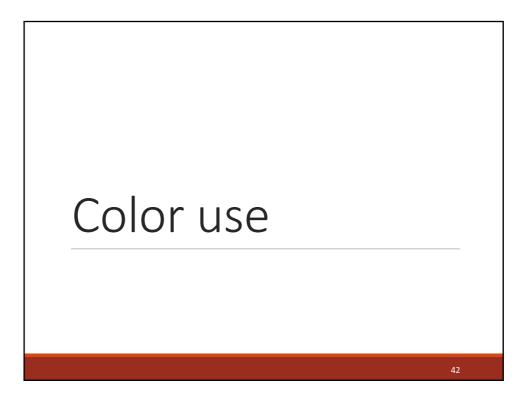


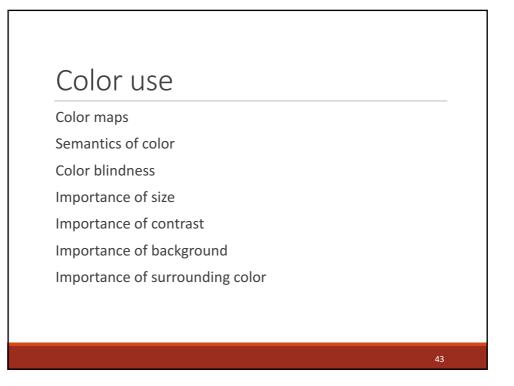


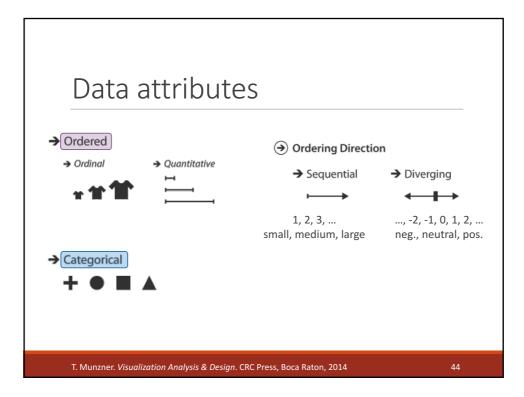
Left and Lab colour and gradient picker Page background colour: White © Colour selection mode: Left © Number of stops: 1 © L: 79 c: 63	one		
Colour selection mode: Lch S Number of stops: 1 S L: 79 c: 63	lour and gradient	t picker	
L: 79 c: 63			
c: 63	٢		
h: 58			
h: 58)	olour: White 0	olour and gradient picker

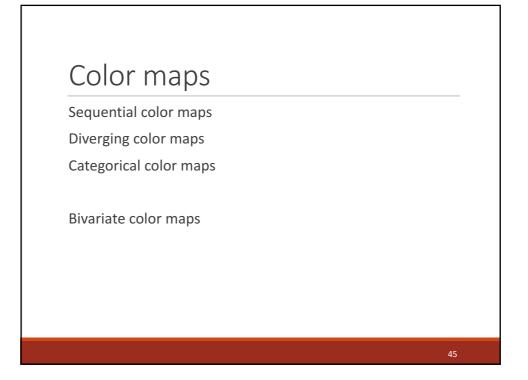


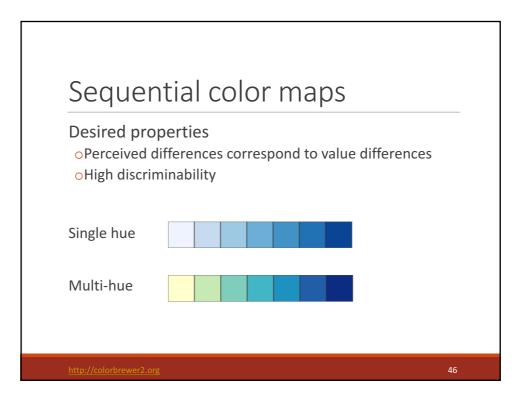


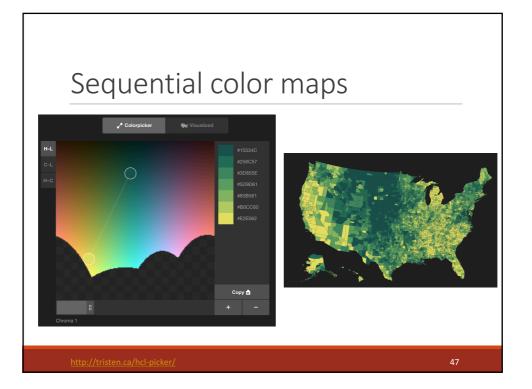


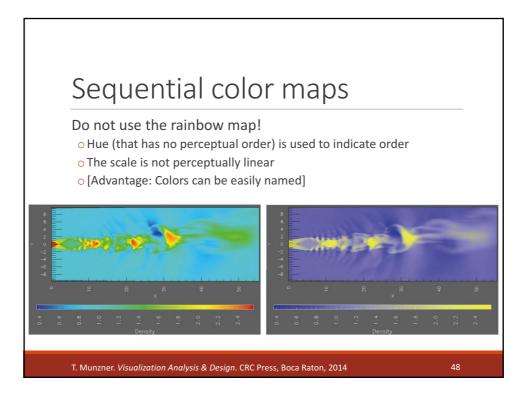


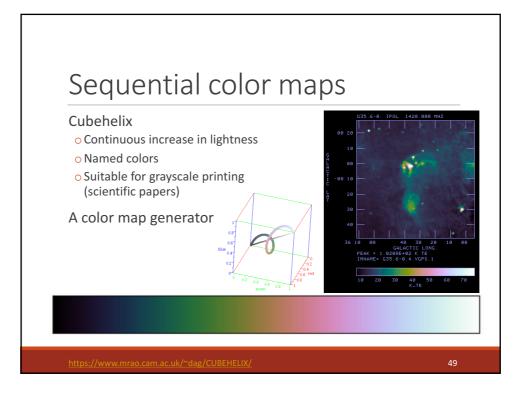


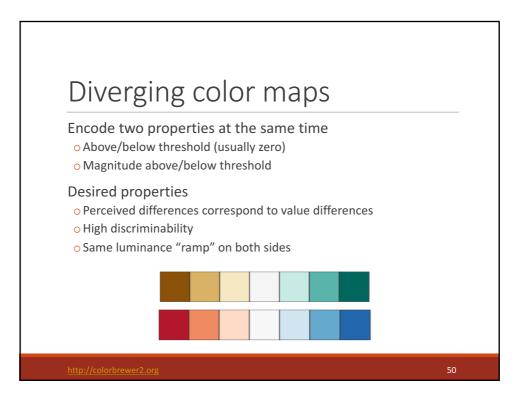


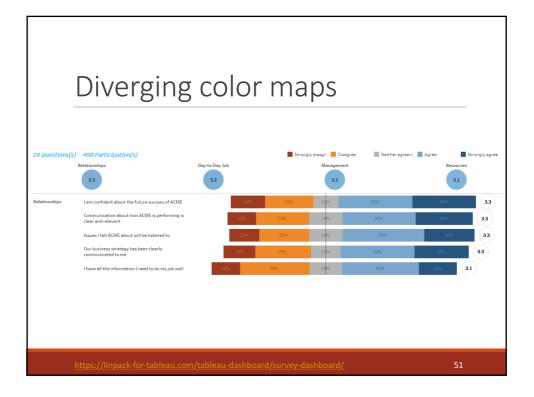


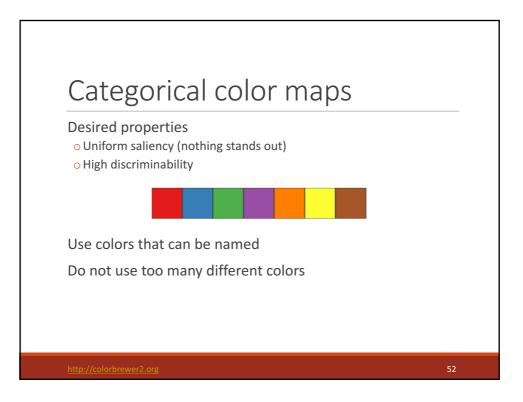


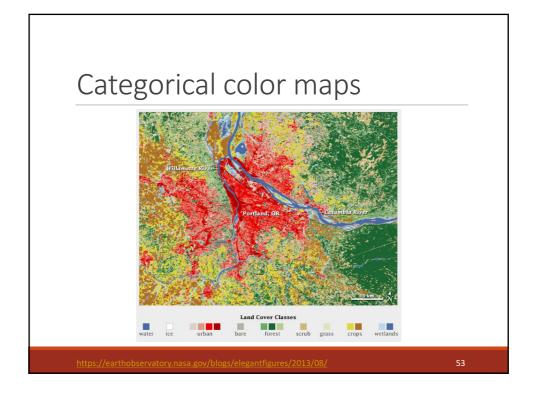


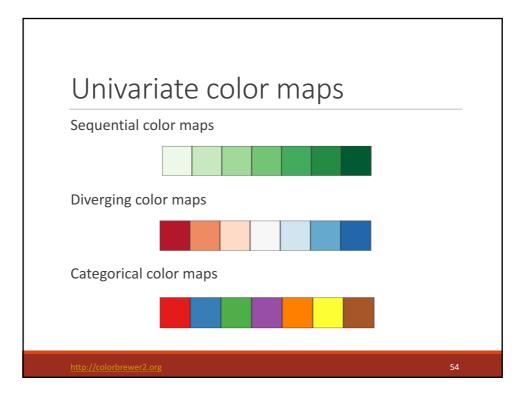


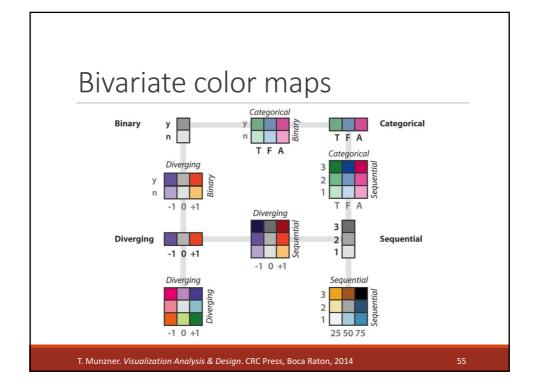












Chroma.js Color Scal			sequential / diverging
his chroma.js-powered tool is here to help us r Enter named colors or hex codes:		lor scales. Step count	
lightyellow, orange, deeppink, darkred		7	
Bezier interpolation	Correct lightr	ness gradient	
	_		

Semantics of color

Green = good

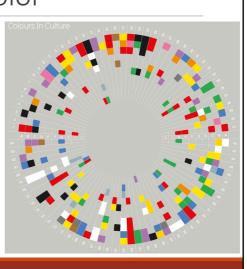
Red = bad

Very powerful when used appropriately

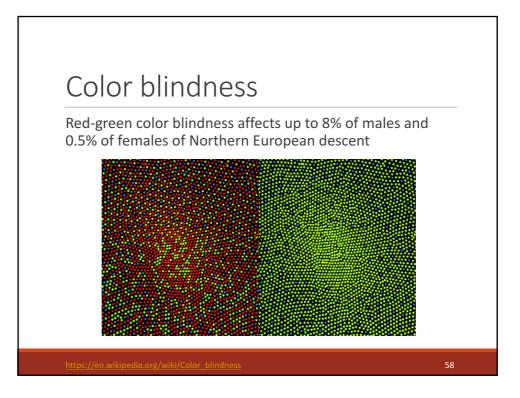
Meaning changes depending on culture

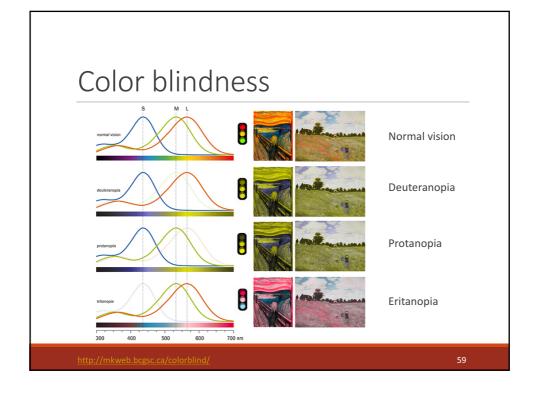
Gray perceived as "no color"

- o Missing data
- Uncategorized data
- o Non-emphasized data

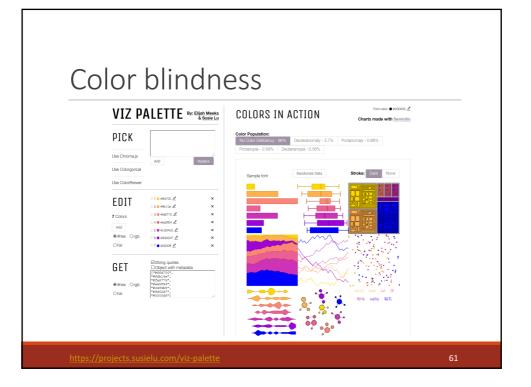


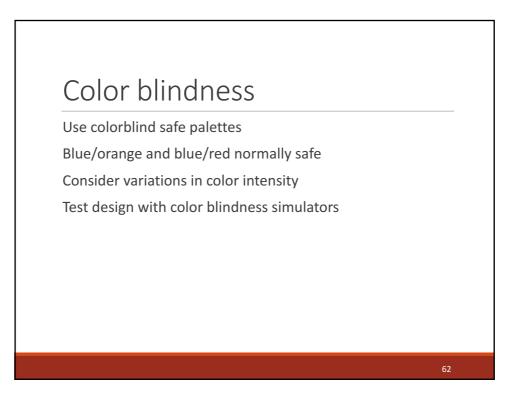
https://informationisbeautiful.net/visualizations/colours-in-cultures/

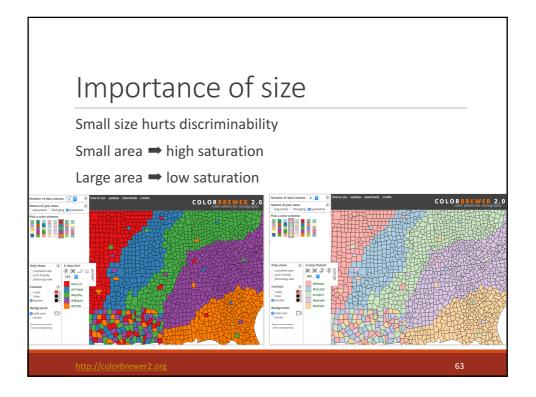




Color	Color name	RGB (1-255)	CMYK (%)	Ρ	D
	Black	0, 0, 0	0, 0, 0, 100		
	Orange	230, 159, 0	0, 50, 100, 0		
	Sky blue	86, 180, 233	80, 0, 0, 0		
	Bluish green	0, 158, 115	97, 0, 75, 0		
	Yellow	240, 228, 66	10, 5, 90, 0		
	Blue	0, 114, 178			
	Vermillion	213, 94, 0	and the second second second		
	Reddish purple	204, 121, 167	10, 70, 0, 0		







CON	TRAST RATIOS			
1.0				
1.1			That's bad.	Horrible.
1.5	Ok in 1% of the cases.	Not ideal.	That's bad.	My eyes!
2.5	Can be a good choice.	Ok.	Not ideal.	That's bad.
4.5	Safe choice.	Great.	Ok.	Not ideal.

	ance of cont		
olour Contrast Ch	neck		
e created: January 11, 2005 e last modified: January 11, 2015			
Foreground Colour:	Background Colour:	Results	
# 63BD7B	# 8DE7E7	This is example text. Some of it be	olded.
Red:	Red:	Some of it italicized.	
Green:	Green:	Brightness Difference: (>= 125)	49.524
0		Colour Difference: (>= 500)	192
Blue:	Blue:	Are colours compliant?	NO
0		Contrast Ratio	1.618
0	Hue (°):		
Hue (°)	Hue (°): Saturation (%):	WCAG 2 AA Compliant	NO
lue (°) Saturation (%):	Saturation (%):	WCAG 2 AA Compliant (18pt+)	NO
Hue (*) Saturation (%): /alue (%):			

