Ślepota barw

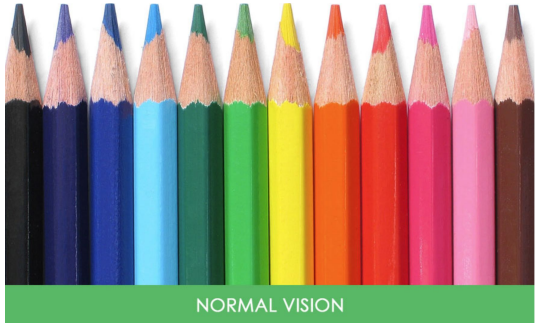
Magdalena Baracz
Aleksandra Hernik
Anna Niżnik

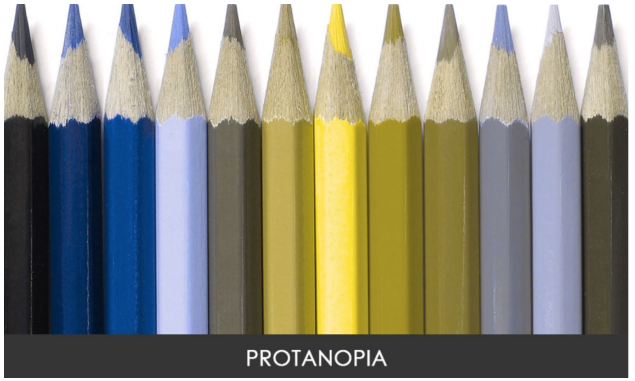
Plan

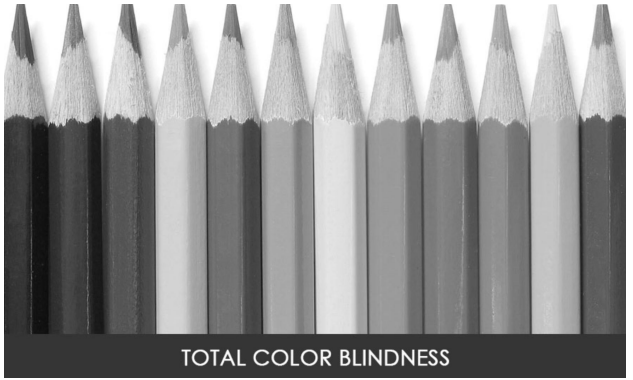
1. Co to jest ślepota barw?
2. Rady dla twórców wykresów
3. Przydatne narzędzia

Źródło: https://www.boredpanda.com/different-types-color-blindness-photos/

Rodzaje zaburzeń widzenia kolorów



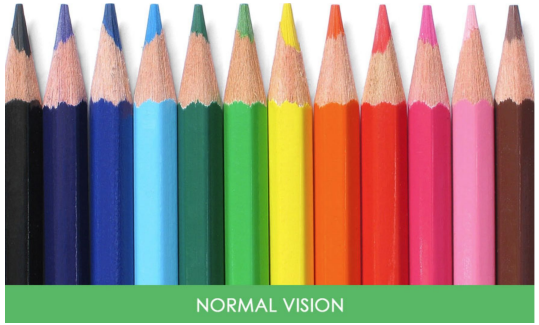


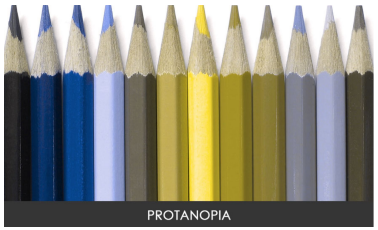


Źródło: https://www.boredpanda.com/different-types-color-blindness-photos/

Rodzaje zaburzeń widzenia kolorów

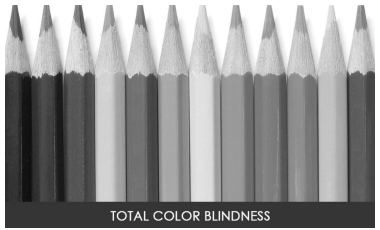
4.63% 0.36%





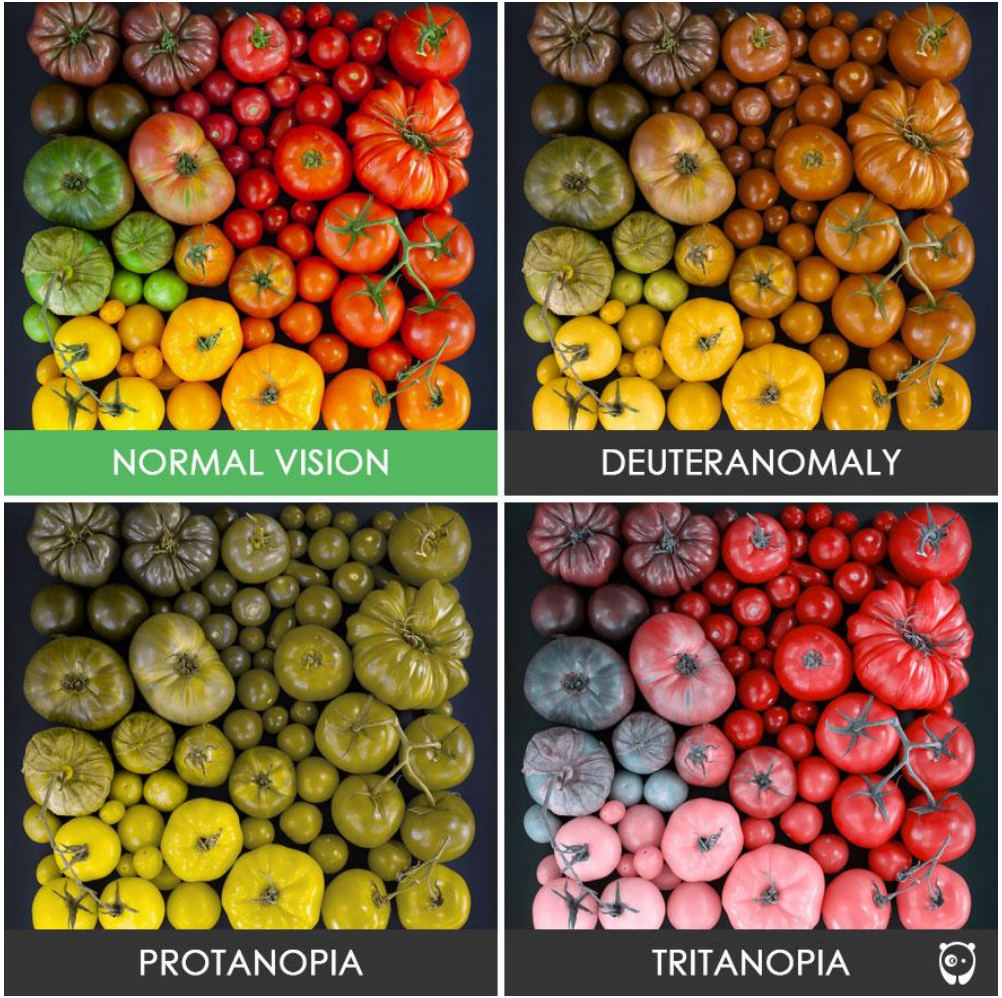
1%

0.0001%

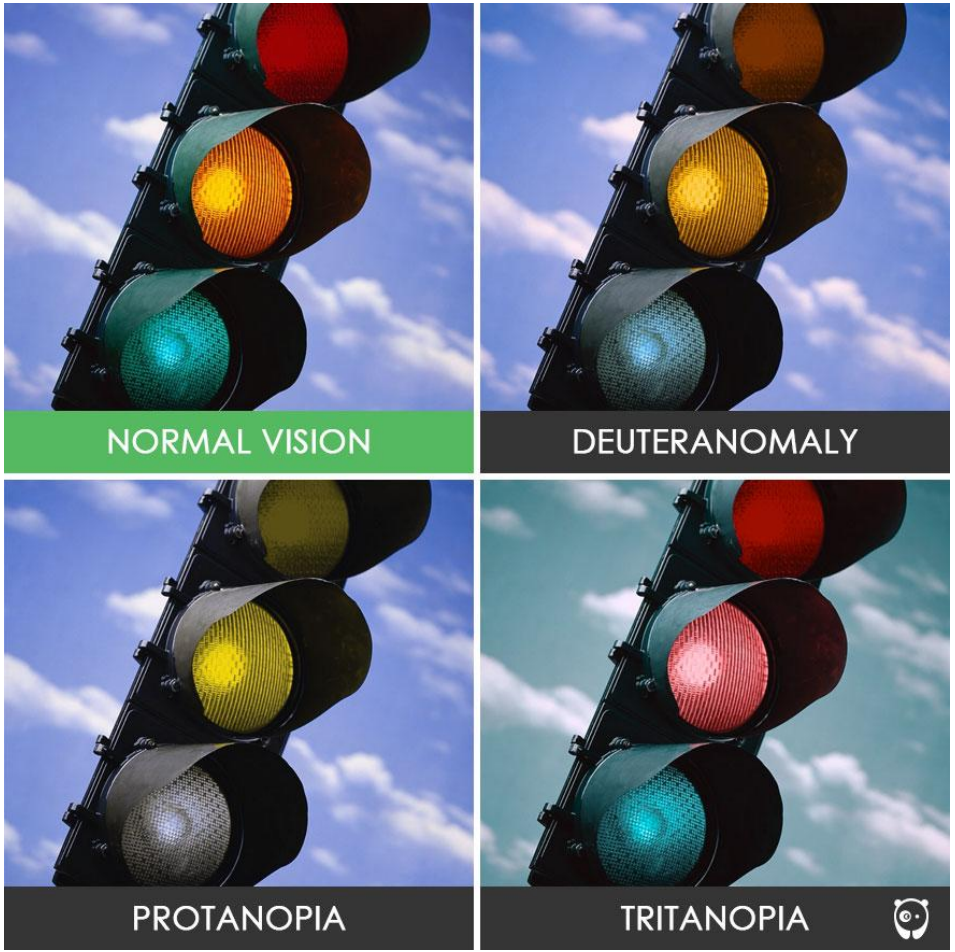


0.00003%

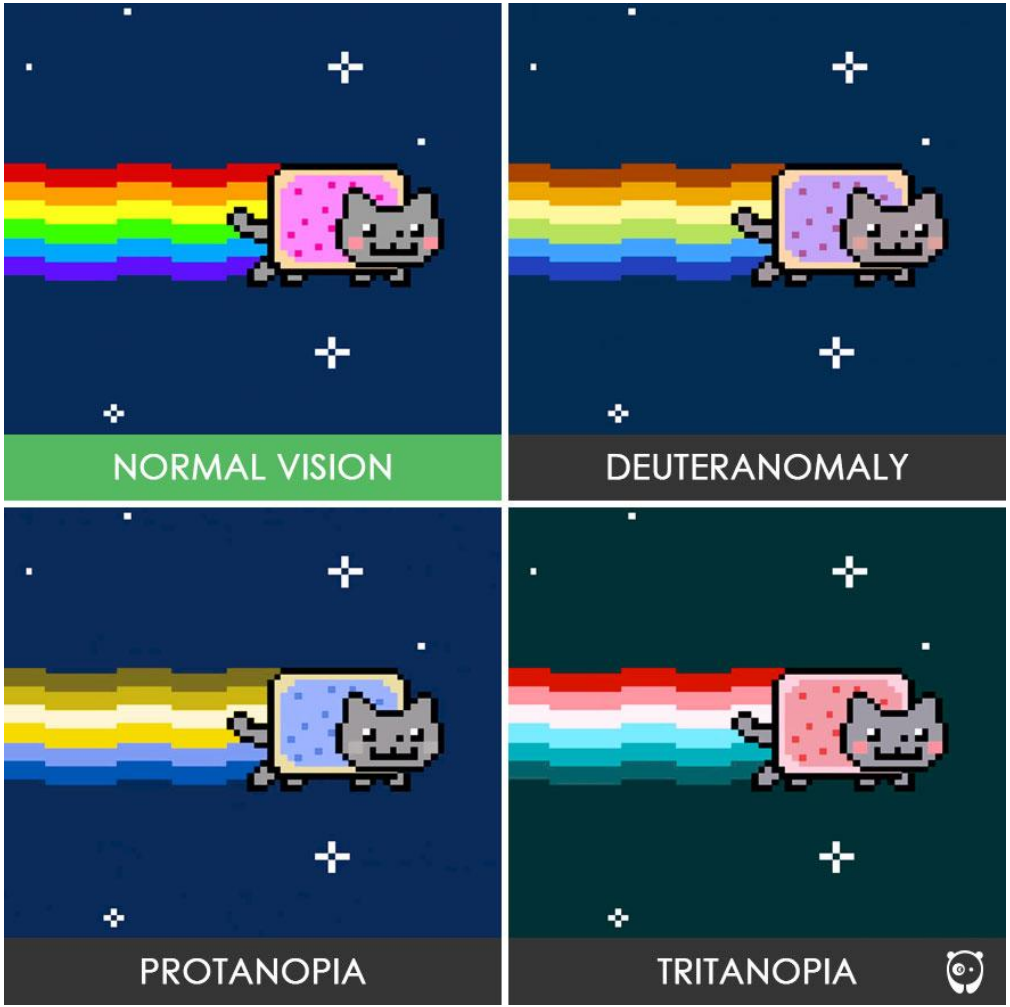
Źródło: https://www.boredpanda.com/different-types-color-blindness-photos/



Źródło: https://www.boredpanda.com/different-types-color-blindness-photos/

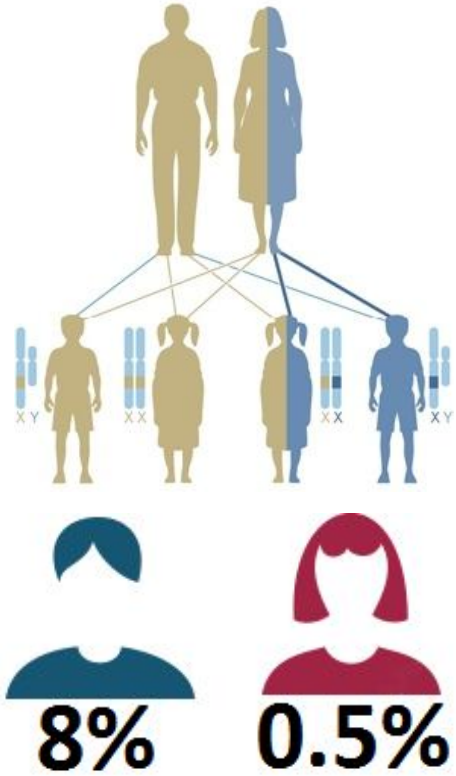


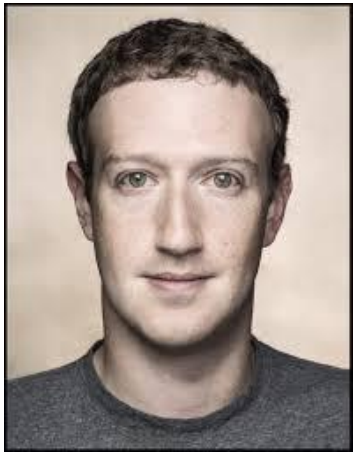
Źródło: https://www.boredpanda.com/different-types-color-blindness-photos/



Źródło: https://www.boredpanda.com/different-types-color-blindness-photos/

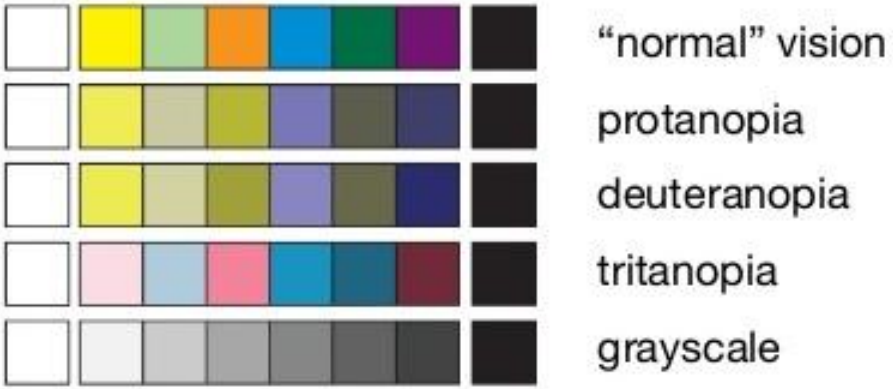
Częstotliwość występowania



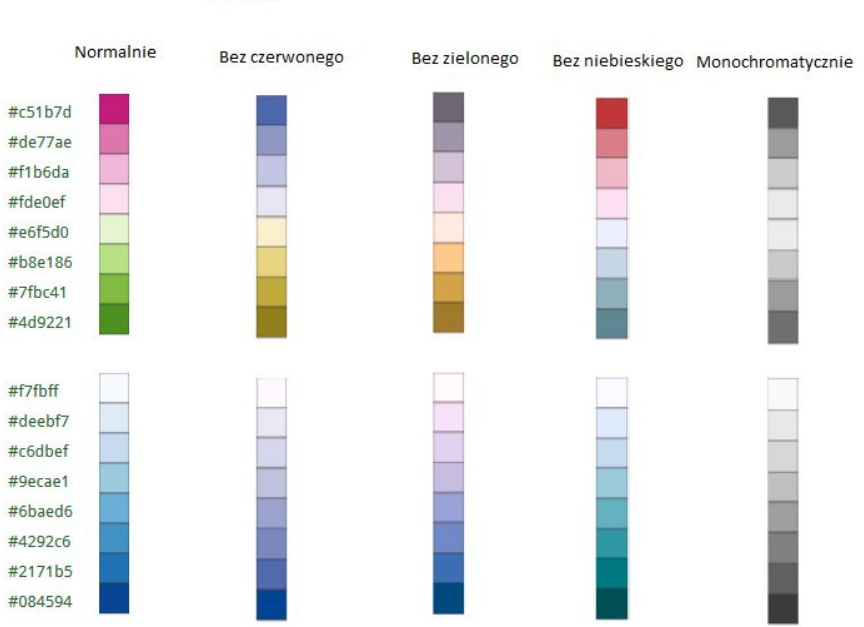


John Dalton

Palety jakościowe

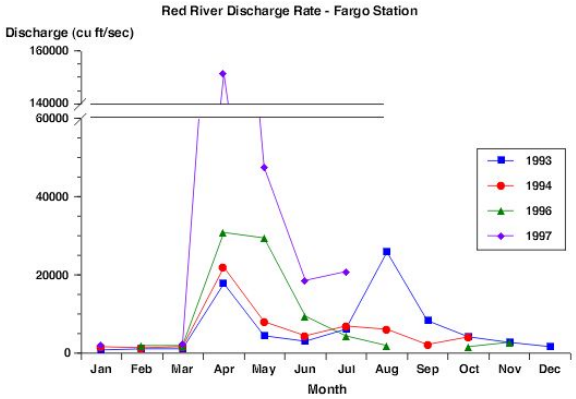


Palety ilościowe

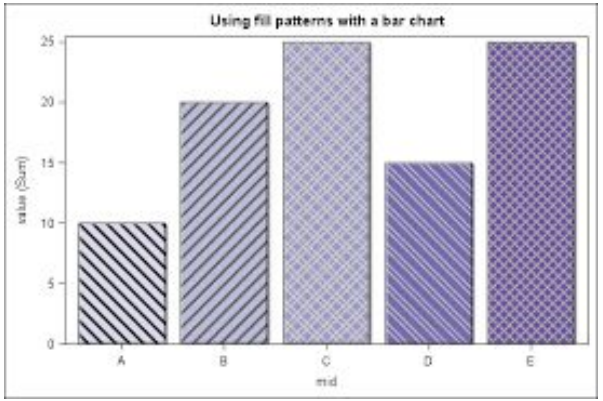


Dostosowanie grafik

- Zrezygnowanie z koloru
- Możliwość przestawienia kolorów na "przyjazne"
- Podwójne kodowanie cechy



- Używanie tekstur

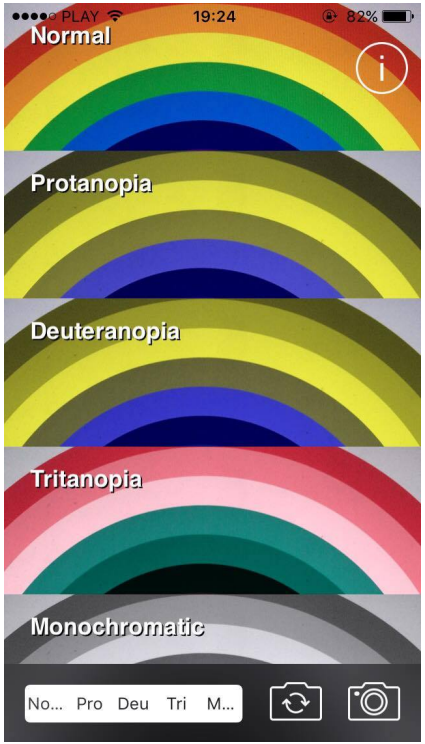


Aplikacje mobilne symulujące ślepotę barw

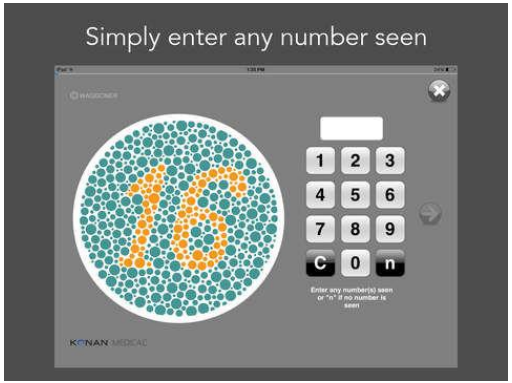
Przykładowe aplikacje:

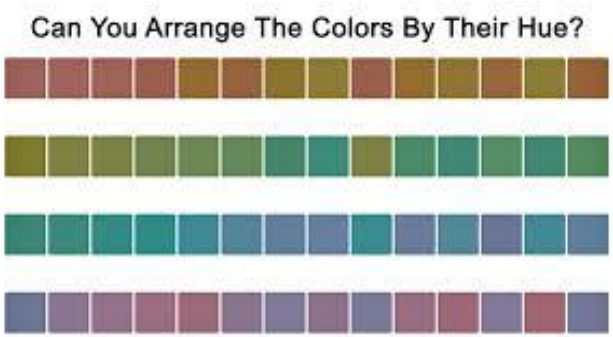
Android:
- CVSimulator
- Colorblind Vision

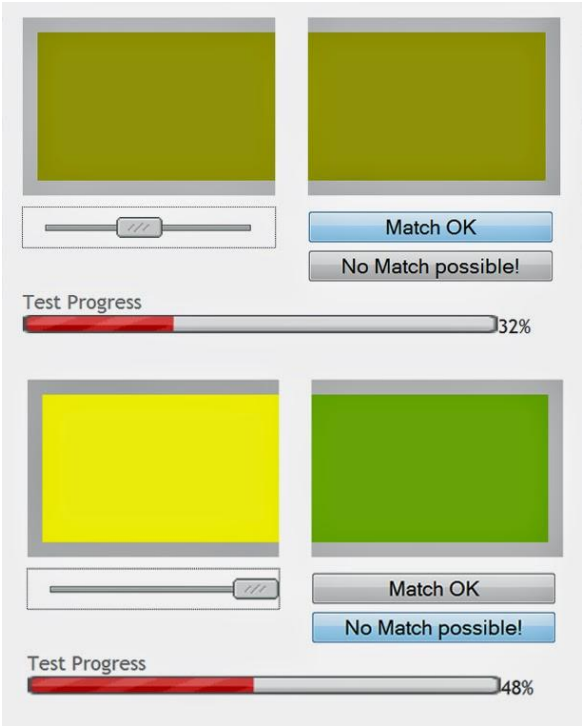
iOS:
- CVSimulator
- Colorblind Goggles



Narzędzia do testowania







- RGB Anomaloscope
- F - M 100 Hue Test
- Color Arrangement Test
- Ishihara 38 Plates Test

Źródła

- https://venngage.com/blog/color-blind-friendly-palette/
- https://en.wikipedia.org/wiki/Color_blindness
- http://www.color-blindness.com/rgb-anomaloscope-color-blindness-test/
- http://www.color-blindness.com/ishihara-38-plates-cvd-test/
- http://www.color-blindness.com/farnsworth-munsell-100-hue-color-vision-test/
- http://www.color-blindness.com/color-arrangement-test/

Dziękujemy za uwagę