

Creating accessible Colors

1. Color blind variations

There are many color blind variations in our genomes. Some of the major one's we see, especially in men, are red-green, blue-green, blue-yellow, and rod monochromacy. Some of these cases like the rod monochromacy (being able to mostly just black and white) are very rare, but we have very common ones as well we need to be aware of. In order to have accessible documents we need to be careful choosing not only good color combinations, but also keep in mind of contrast. The next step will explain good and bad examples of both color-blind and contrast issues that come up in our every day lives.

2. Good and bad examples

This is a good example	This is a bad example
This is a good example	This is a bad example
This is a good example	This is a bad example
This is a good example	This is a bad example

3. Avoid color being the only indicator in your documents

When you're trying to make a point in a document, for example making a multiple choice questions, or graphs, we want to use colors that are accessible to every eye.

Example 1:

Question	Good Example	Bad Example
Which Aves can't fly?	1. Bats (Incorrect) 2. Penguins (Correct) 3. Eagles (Incorrect) 4. Crows (Incorrect)	1. Bats 2. Penguins 3. Eagles 4. Crows

Example 2:

Question #	Wrong use of color	Right use of color
Question 1		Incorrect
Question 2		Correct
Question 3		Correct