Empathy



You never really know a man until you understand things from his point of view, until you climb into his skin and walk around in it.

- Harper Lee in her book To Kill a Mockingbird

The ADA/Section 508 says you must make *reasonable accommodations* for disabled persons

- providing accessible parking
- modifying work schedules or supervisory methods
- granting breaks or providing leave
- altering how or when job duties are performed
- removing and/or substituting a marginal function
- moving to different office space
- making changes in workplace policies
- providing assistive technology, including information technology and communications equipment or specially designed furniture

But you don't have to make unreasonable accommodations

- Eliminating an essential job function
- Lowering production standards Having to provide personal-use items for daily activities (prosthetics, wheelchairs, hearing aids, etc.)

Basically, we are balancing the needs of the individual with the resources of the organization.

Here's a reasonable accomodation





Universal design is awesome!

- Faster mental processing of pages
- Fewer errors
- Less fatigue

Kinds of disabilities

And how do we make accommodations?

Color blindness

Different kinds of colorblindness

- prot 1st
- deuter 2nd
- trit 3rd
- achrom "without color"

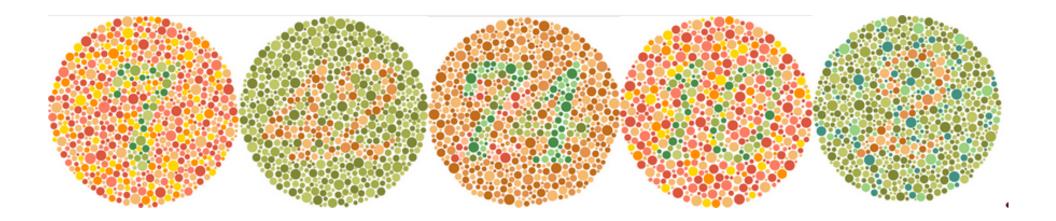


- anopia missing
- anomaly irregular

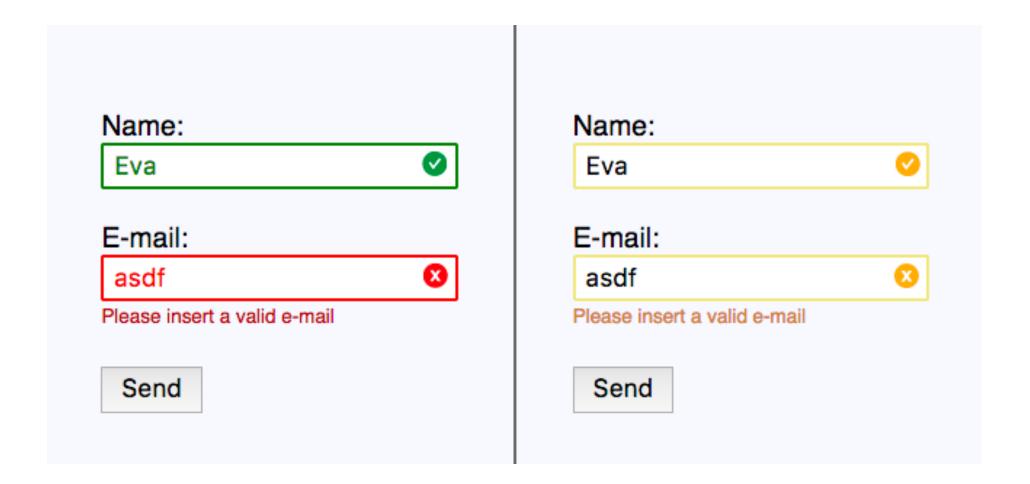


- protanomaly Broken first cone Can't see red well
- deuteranopia Missing 2nd cone Can't see green at all
- tritanopia Missing 3rd cone Can't see blue at all
- achromatopia Lit. "without color"

Color blindness



Name:	Name:
Eva	Eva
E-mail:	E-mail:
asdf	asdf
Send	Send



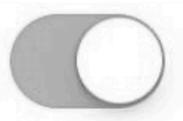


Twitter





Vine



Low vision

When you're not completely blind but cannot see as well as most

Don't block zoom

For responsive design, many will recommend that you ...

```
<meta name="viewport" content="width=device-
width,initial-scale=1,maximum-scale=1">
```

But this is just as effective ...

```
<meta name="viewport" content="width=device-
width,initial-scale=1 ">
```

Hearing disabilities

Compensate when sound is important

- Video, mostly
 - Transcripts
 - Captions Don't rely on autocaptions. They're still pretty poor.

Bob's house



Motor skills

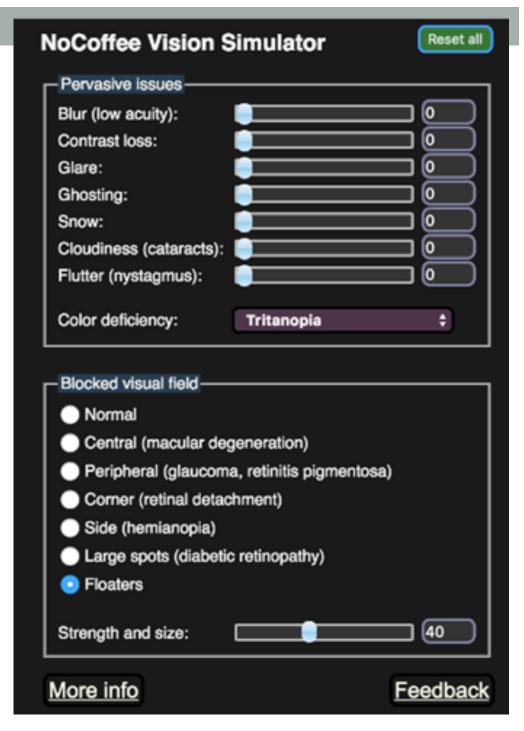
Operable is the main principle

- Not everyone can use a mouse well!
- Make your click targets (buttons, links, form fields, etc) BIG!

Disability simulators

NoCoffee is a Chrome plug-in





Screen readers

To have empathy, we should all install a screen reader and navigate our pages with the visibility turned off.





