1 commit | 1 branch | 0 packages | 0 releases | 0 contributors

Branch: master | New pull request | Create new file | Upload files | Find file | Clone or download

Marcy Sutton version 0.0.1 — Latest commit b309f1c 6 days ago

README.md	version 0.0.1	6 days ago
index.js	version 0.0.1	6 days ago
package-lock.json	version 0.0.1	6 days ago
package.json	version 0.0.1	6 days ago

README.md

No Mouse Days

Ever wanted a package that disables the mouse cursor one day a week so you can test keyboard accessibility as a team? No? Well here you go anyway.

How to use

1. Install the package

```
npm install no-mouse-days
```

2. Import the package into your project for all times

```
import "no-mouse-days"
```

3. Import and conditionally apply it in development, if you want

```
if (process.env.NODE_ENV === 'development') {
    import("no-mouse-days")
```

1 commit | 1 branch | 0 packages | 0 releases | 0 contributors

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README.md

No Mouse Days

https://github.com/marcysutton/no-mouse-days

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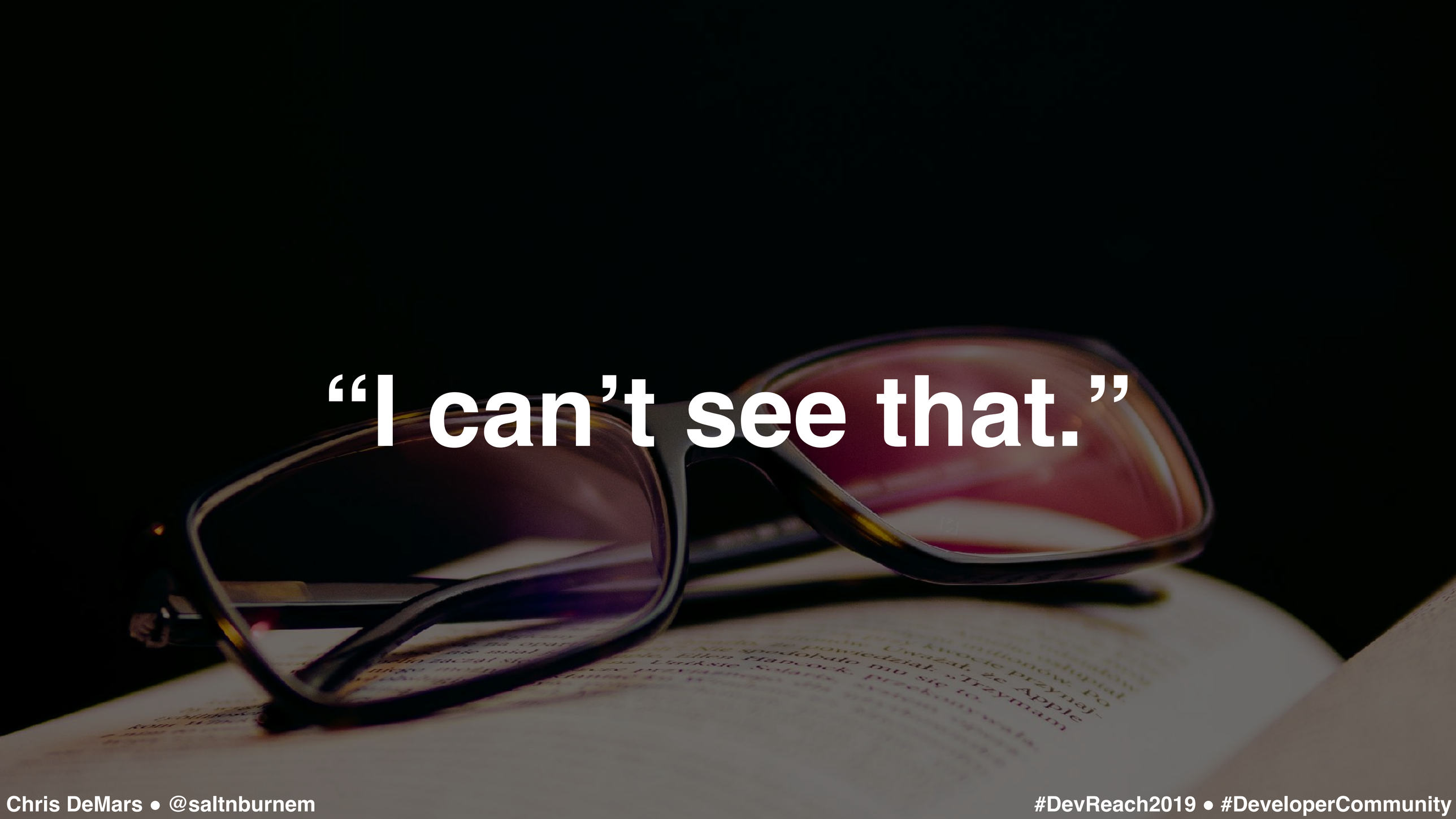
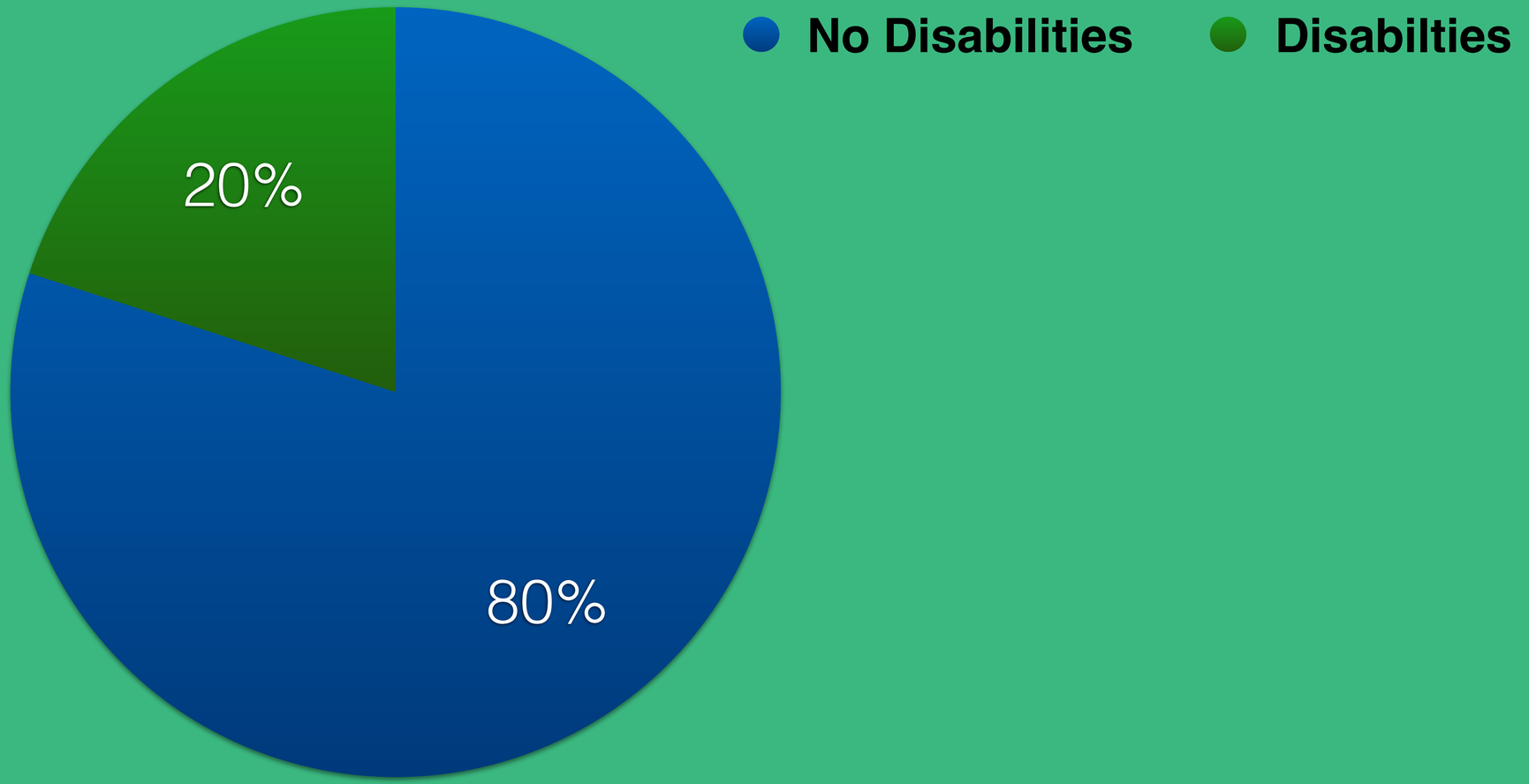
Why?


“I can’t see that.”

Percentage of people with disabilities.



A11y

Numeronym

A c c e s s i b i l i t y

A 1 2 3 4 5 6 7 8 9 10 11 y

A11y

What is a11y?

“Web accessibility means that people with disabilities can use the Web.”

https://www.w3.org/WAI/intro/accessibility.php

Open Web

=

Inclusive Web

=

Web for all!

“Web accessibility means that EVERYONE can use the Web.”

- Me (Chris DeMars)

“The web is not a barrier to people with disabilities, it is the solution..”

- http://webaim.org/articles/pour/

“Accessibility is NOT a requirement, it is a MUST!”

Types of Disabilities

Types of Disabilities

Hearing

Types of Disabilities

Cognitive

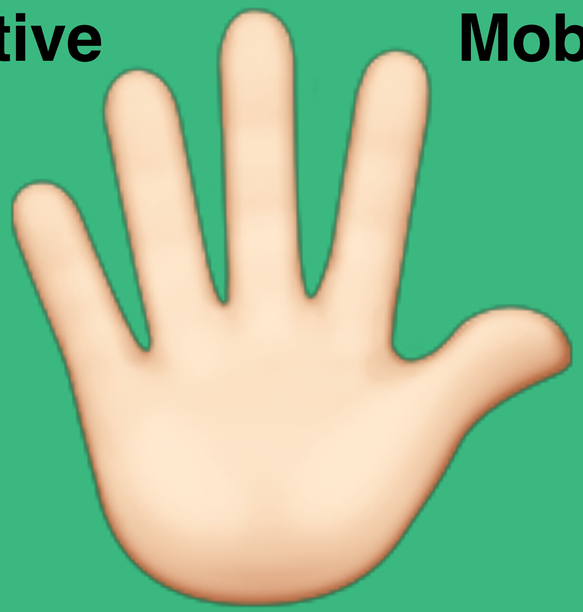
Hearing

Types of Disabilities

Cognitive

Mobility

Hearing

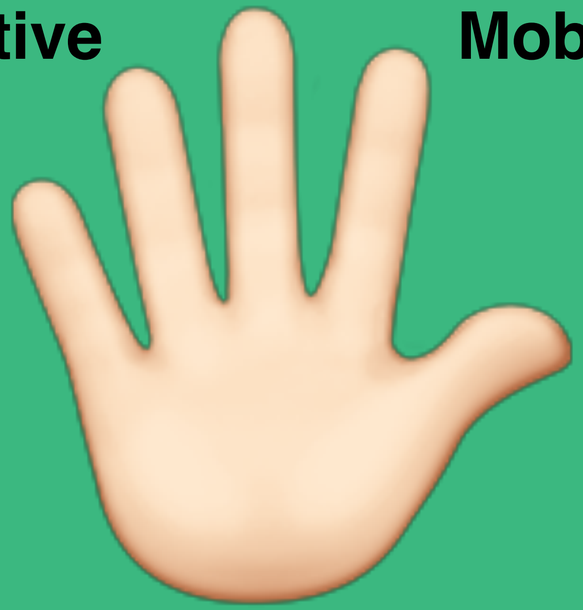


Types of Disabilities

Cognitive

Mobility

Hearing



Temporary

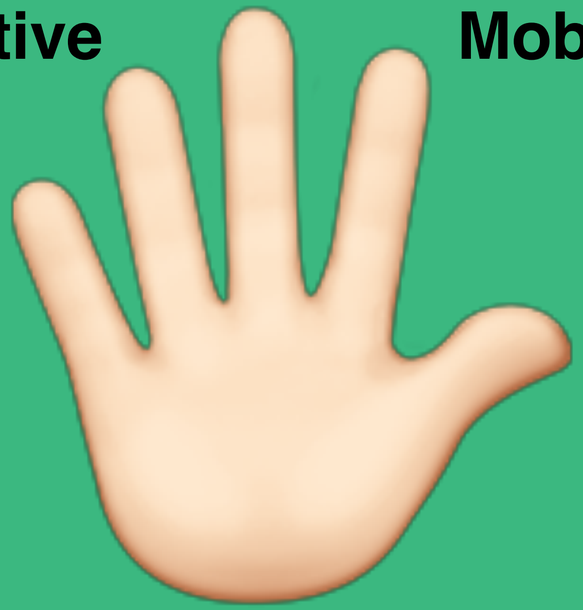
Types of Disabilities

Vision

Cognitive

Mobility

Hearing



Temporary

POUR

P
O
U
R

Perceivable

O

U

R

Perceivable

Operable

U

R

Perceivable

Operable

Understandable

R

Perceivable

Operable

Understandable

Robust

Perceivable

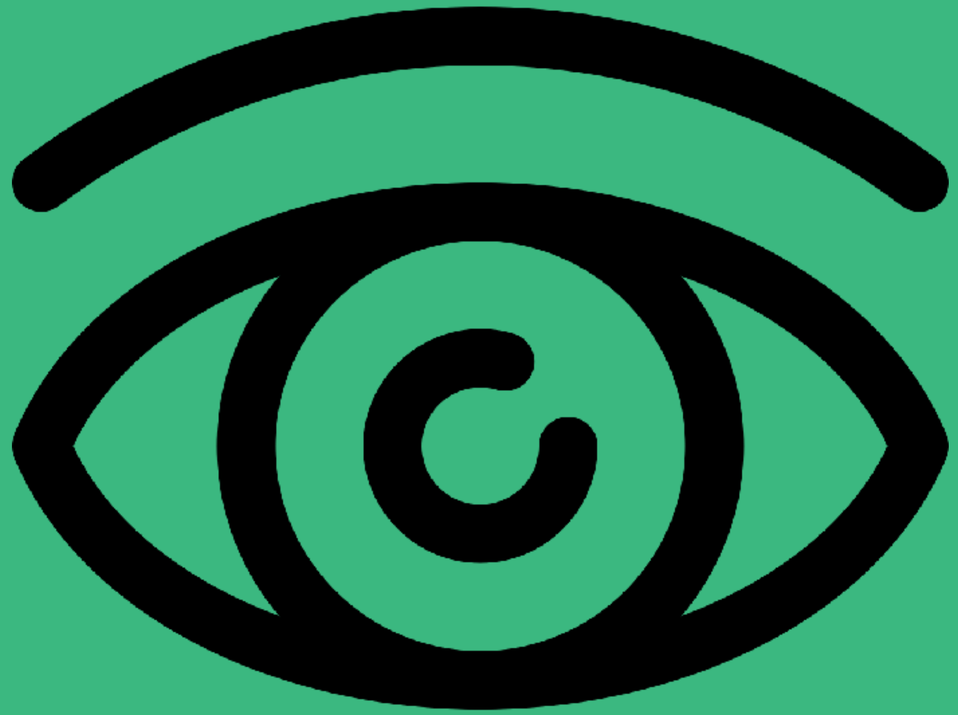
Operable

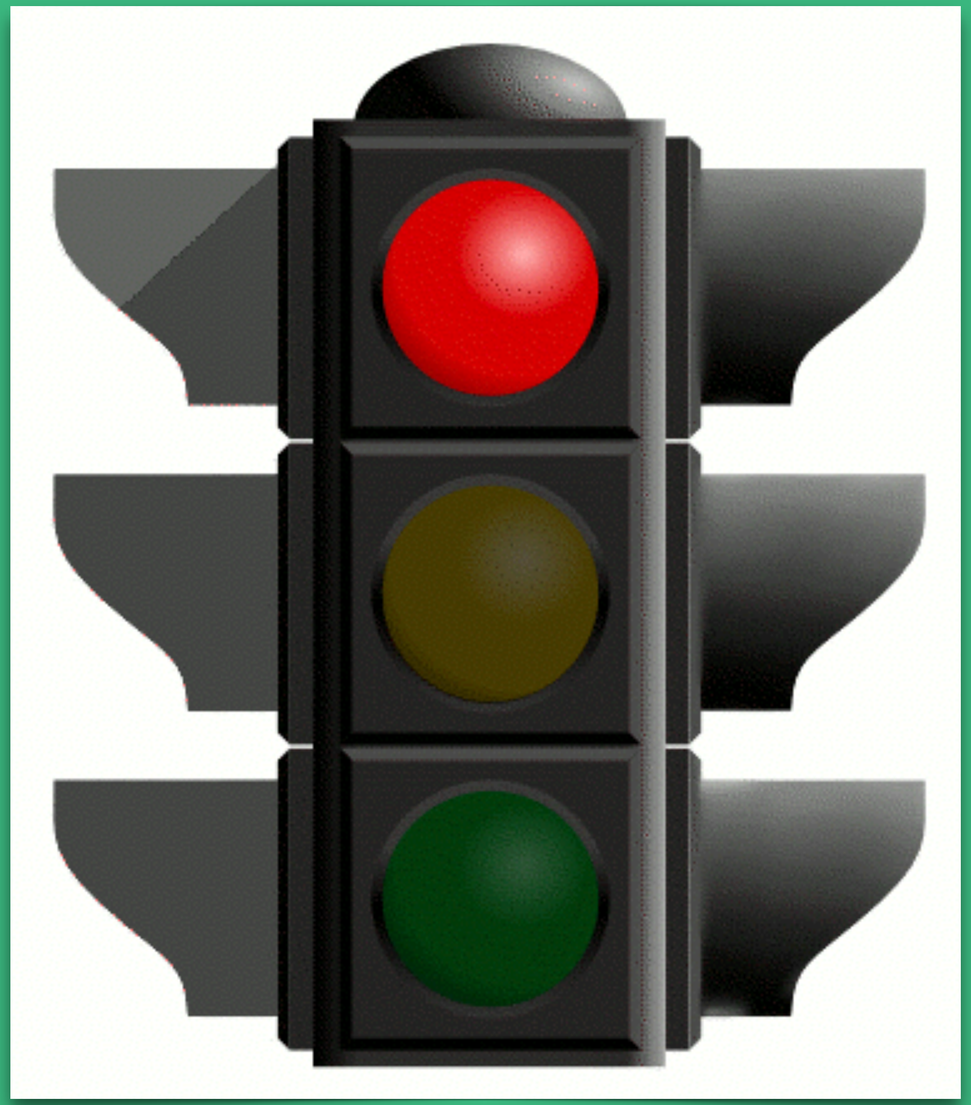
Understandable

Robust

Perceivable

Poor Vision
!==
Low Vision



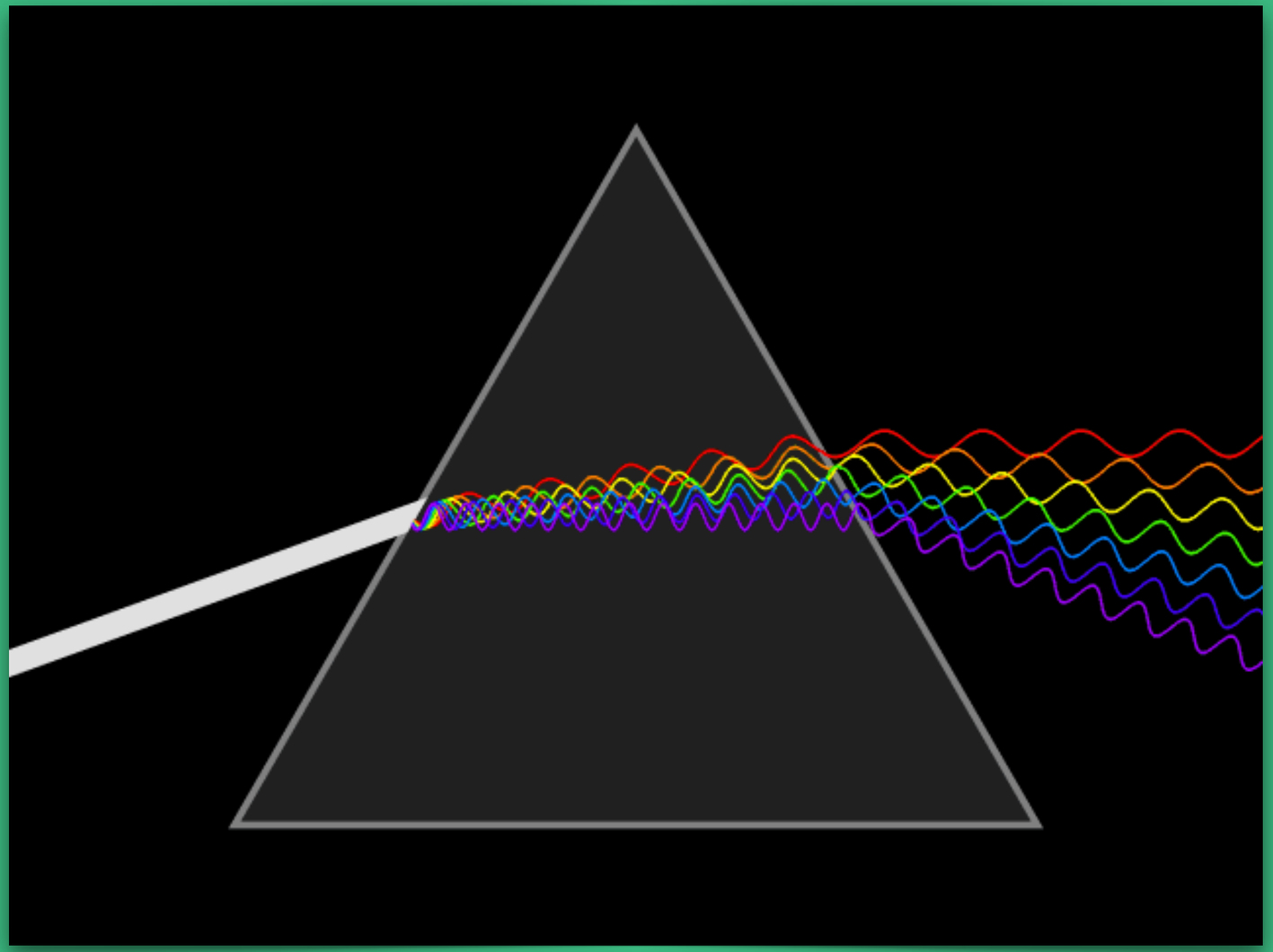


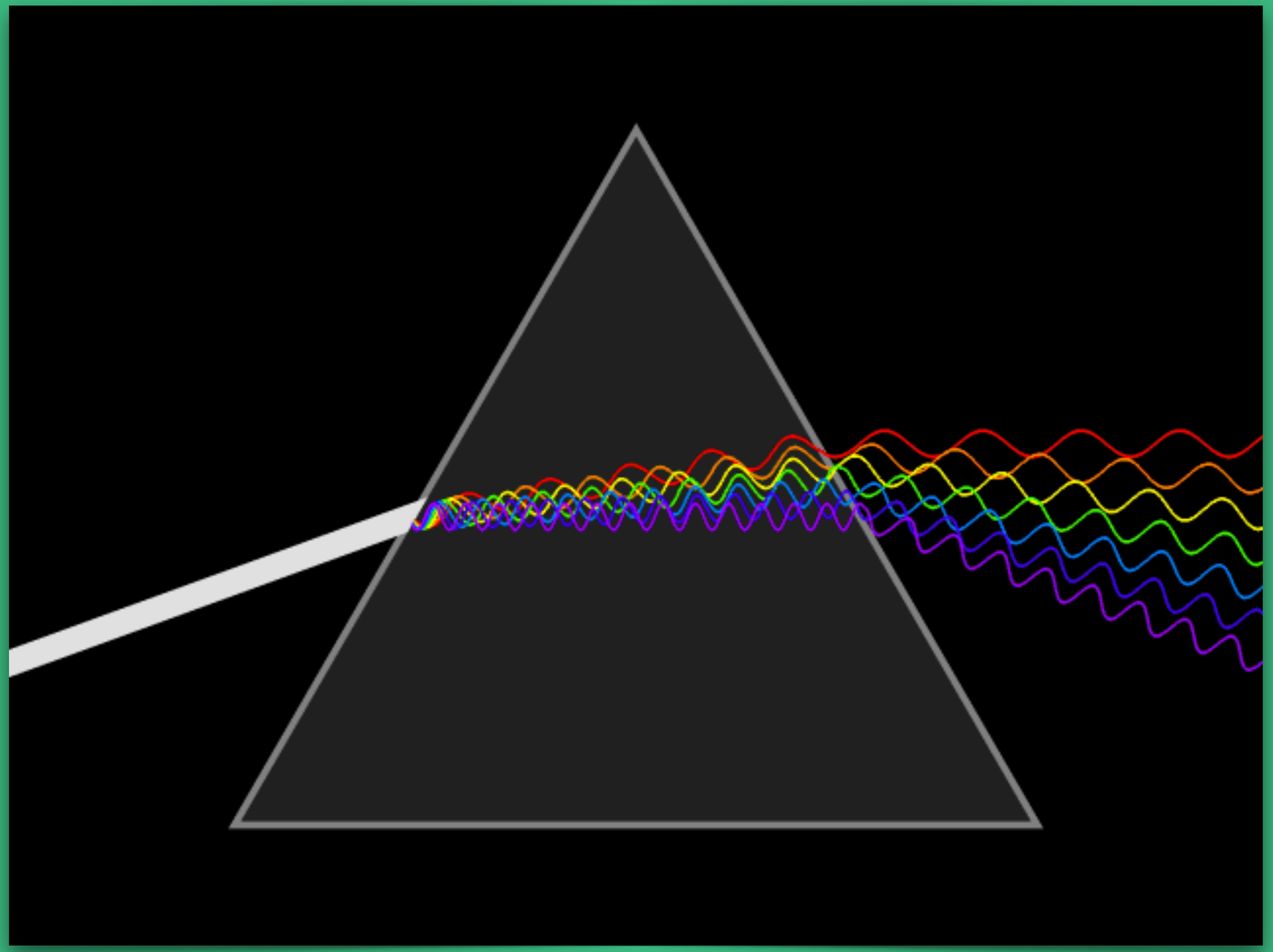
The Raven.

ONCE upon a midnight dreary, while I pondered, weak and weary,
Over many a quaint and curious volume of forgotten lore—
While I nodded, nearly napping, suddenly there came a tapping,
As of some one gently rapping, rapping at my chamber door.
"'Tis some visitor," I muttered, "tapping at my chamber door—
Only this and nothing more."

Ah, distinctly I remember, it was in the bleak December,
And each separate dying ember wrought its ghost upon the floor.
Eagerly I wished the morrow;—vainly I had sought to borrow
From my books surcease of sorrow—sorrow for the lost Lenore—
For the rare and radiant maiden whom the angels name Lenore,—
Nameless here for evermore.

And the silken sad uncertain rustling of each purple curtain
Thrilled me—filled me with fantastic terrors never felt before;
So that now, to still the beating of my heart, I stood repeating,
"'Tis some visitor entreating entrance at my chamber door—
Some late visitor entreating entrance at my chamber door,—
This it is and nothing more."





Color Blindness
Or
Color Vision Deficiency

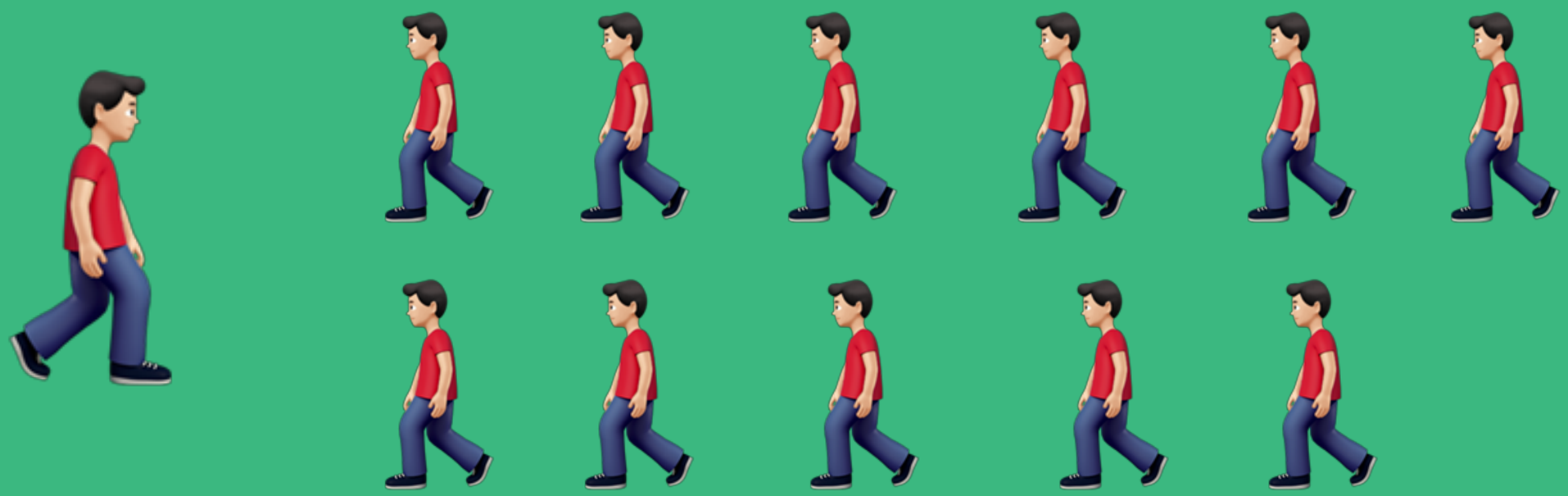
What is it?

“Color vision deficiency is the inability to distinguish certain shades of color.”

- https://www.aoa.org/

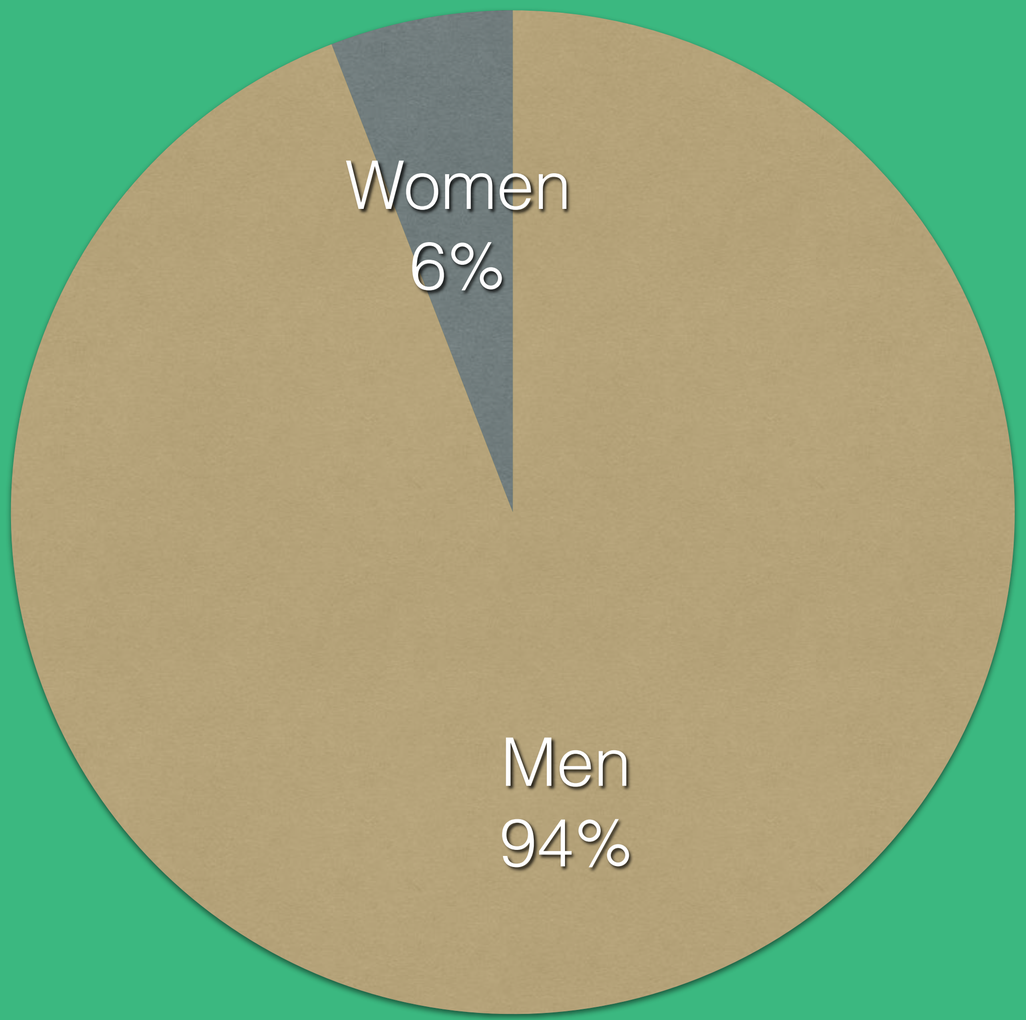
How many people are color blind?

1 in 12



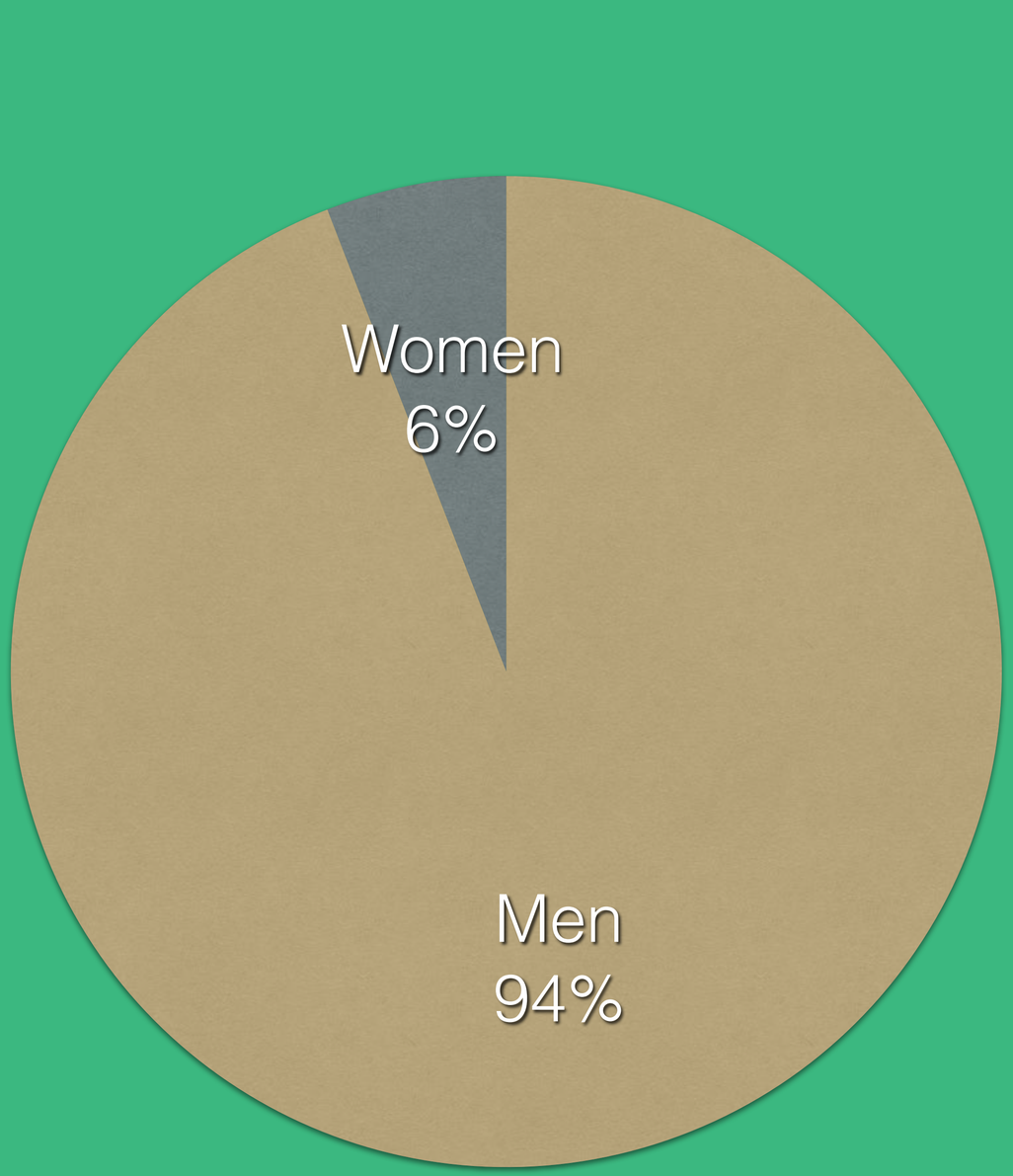
1 in 200

x 200



Men

Women



The gene is passed down from the mom.

Types of color vision deficiencies?

Types of color vision deficiencies?

Normal

Types of color vision deficiencies?

Normal

Deuteranopia

Types of color vision deficiencies?

Normal

Deuteranopia

Protanopia

Types of color vision deficiencies?

Normal

Deuteranopia

Protanopia

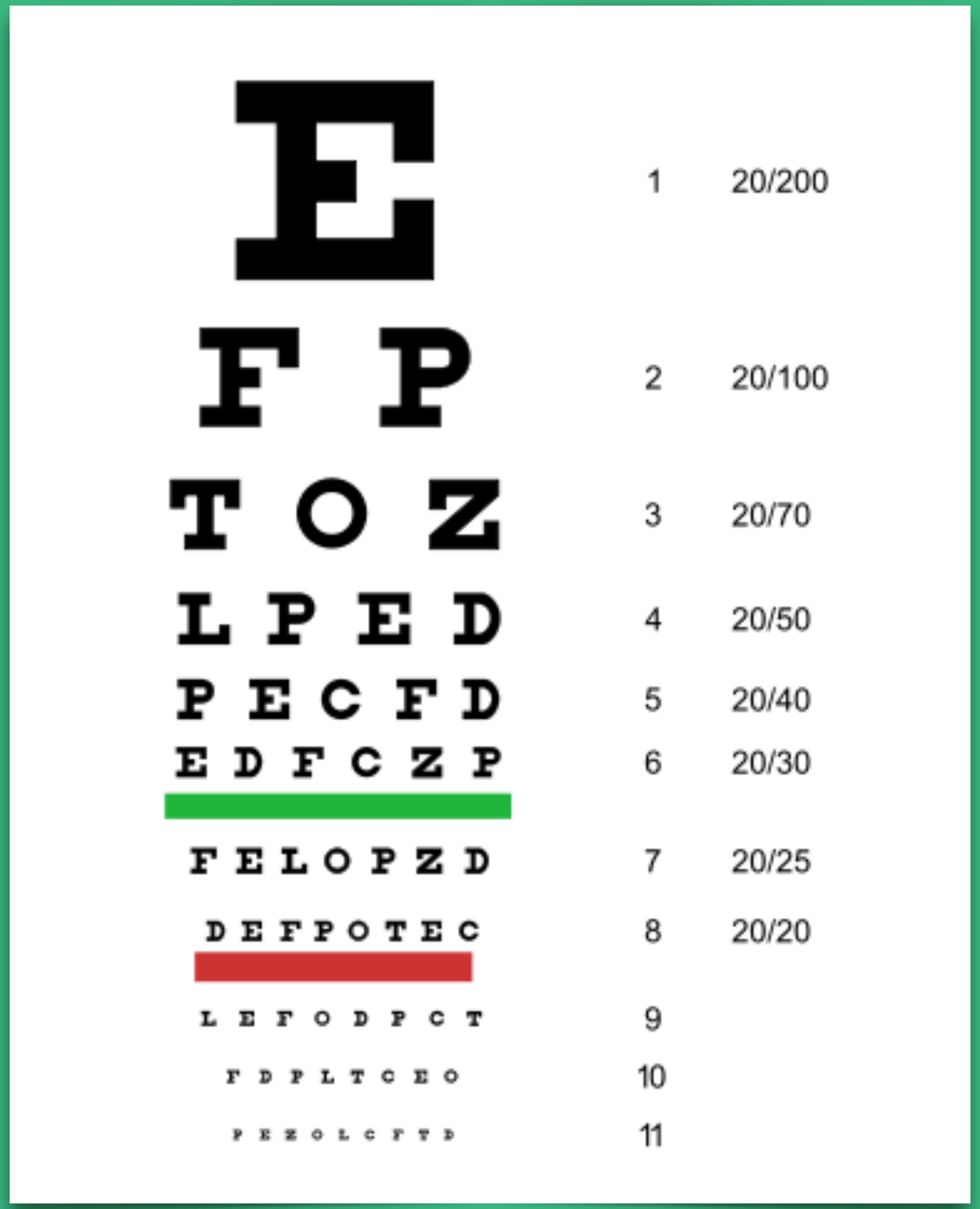
Tritanopia

Monochromatic

1 in 33,000!

Visual Acuity

What is it?

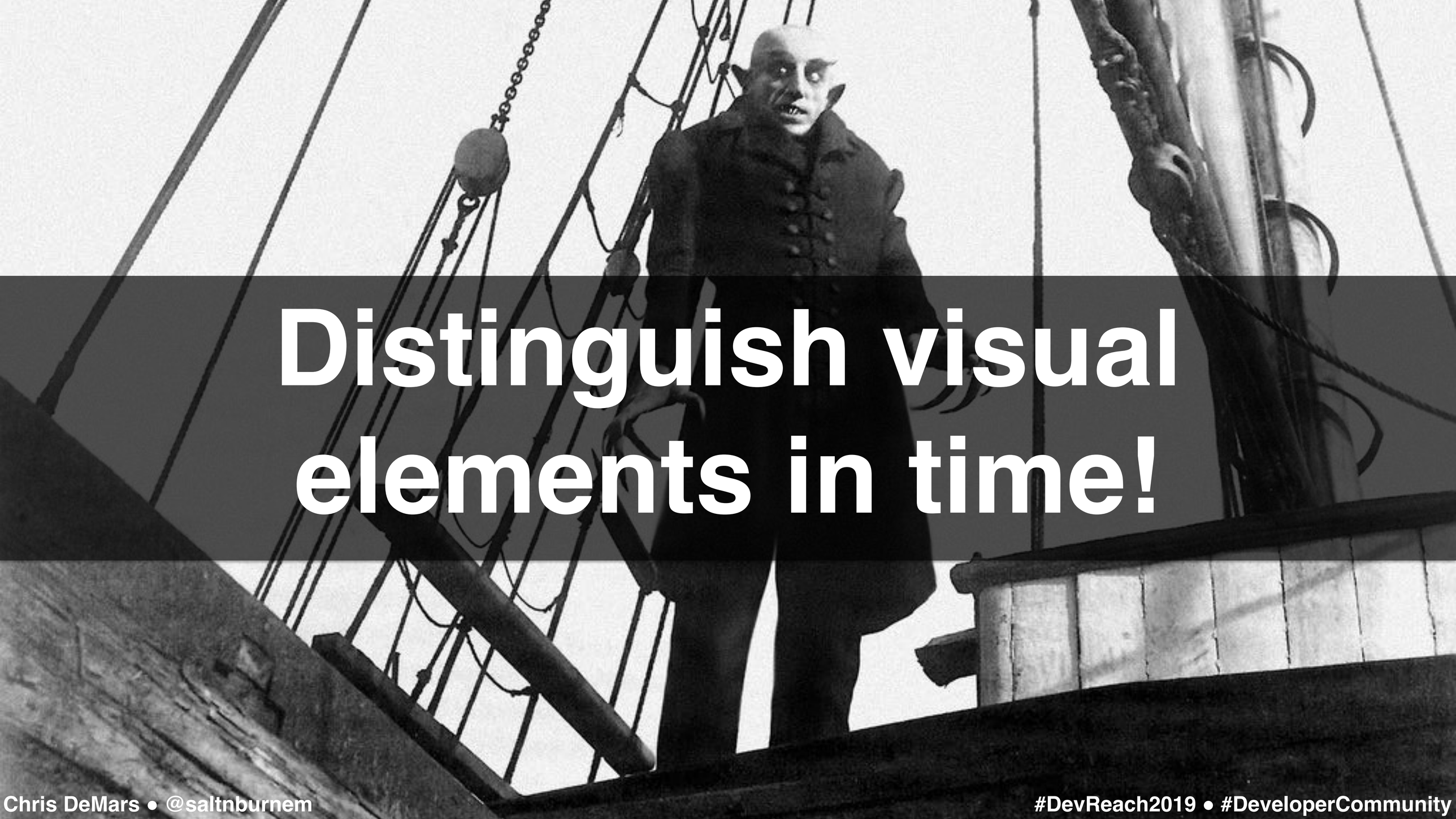

E
1 20/200
F P
2 20/100
T O Z
3 20/70
L P E D
4 20/50
P E C F D
5 20/40
E D F C Z P
6 20/30
F E L O P Z D
7 20/25
D E F P O T E C
8 20/20
L E F O D P C T
9
F D P L T C E O
10
P E Z O L C F T D
11

Types of visual acuity?

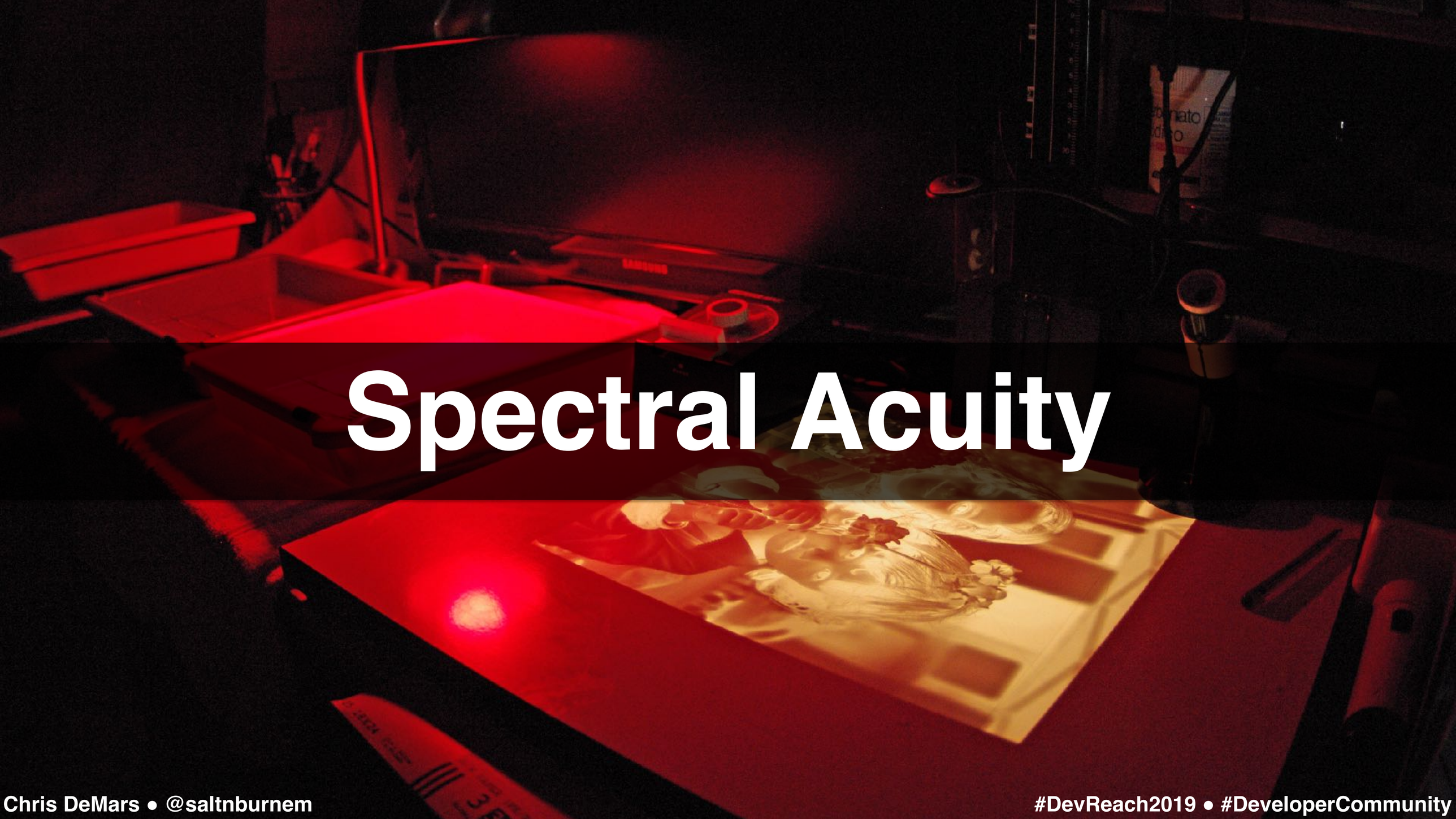
Spatial Acuity

2 points in spaaaaaaace

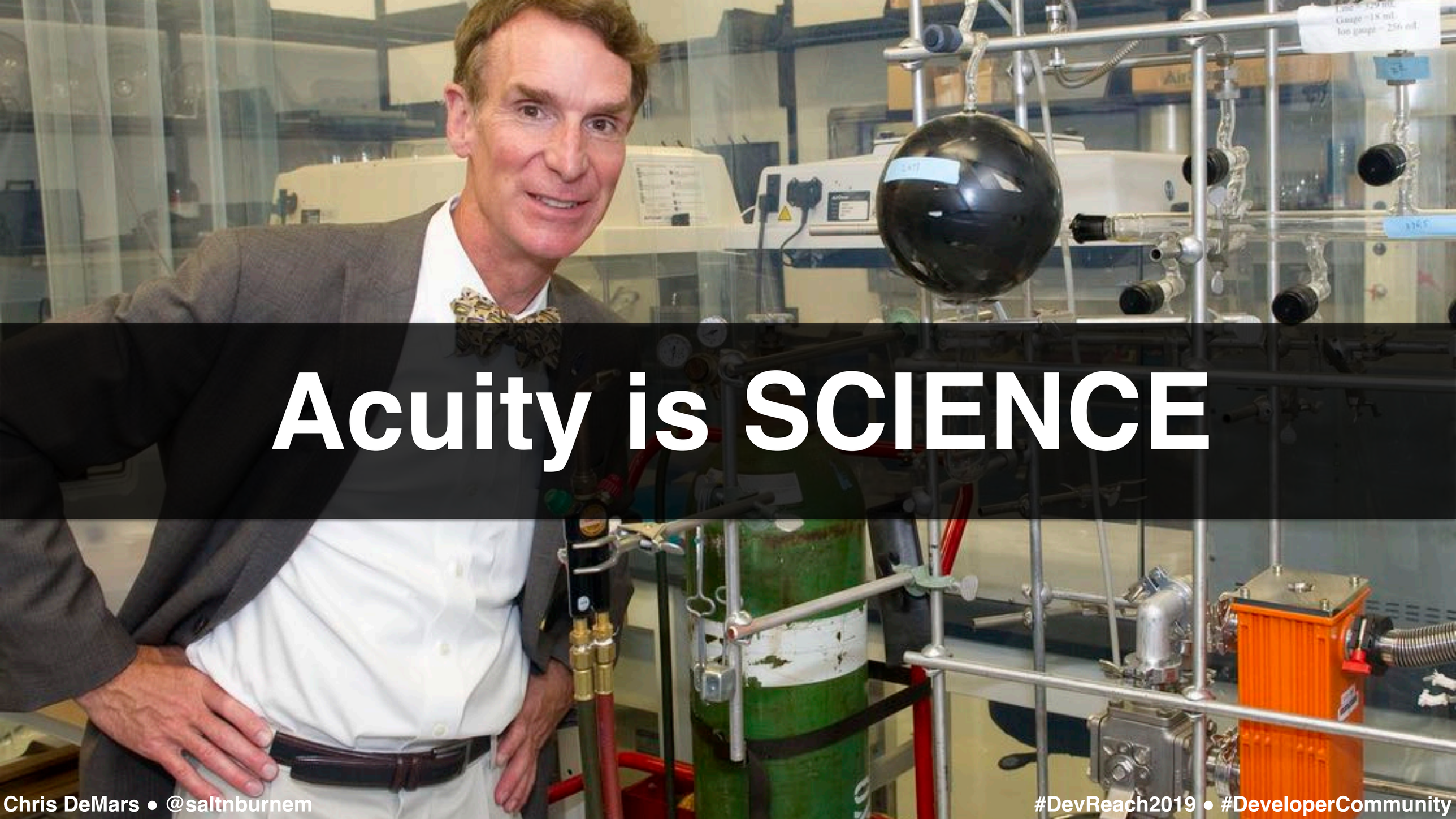
Temporal Acuity


Distinguish visual elements in time!

Spectral Acuity

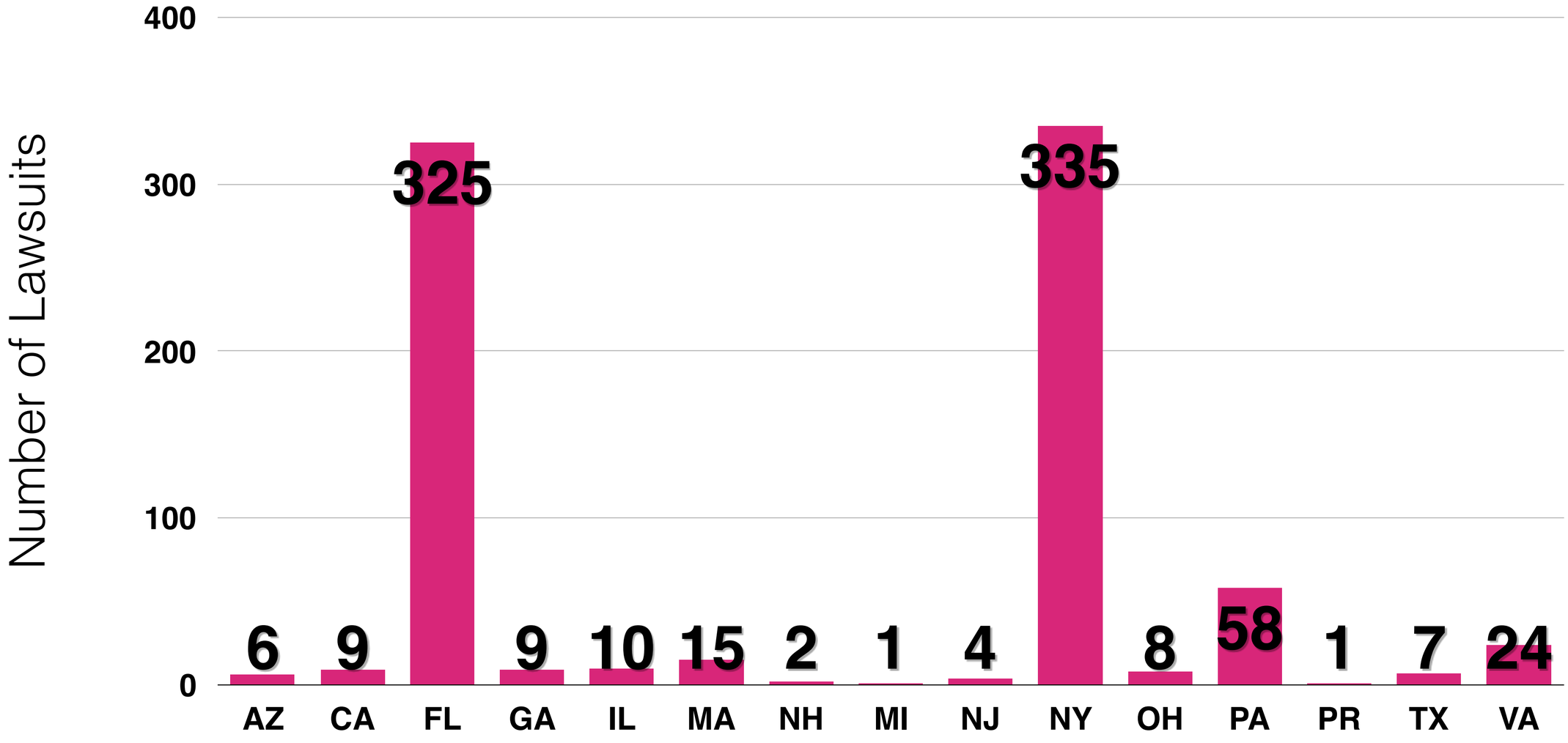


Spectral Acuity


Acuity is SCIENCE

Contrast Sensitivity

Federal Website Accessibility Lawsuits by State in 2017

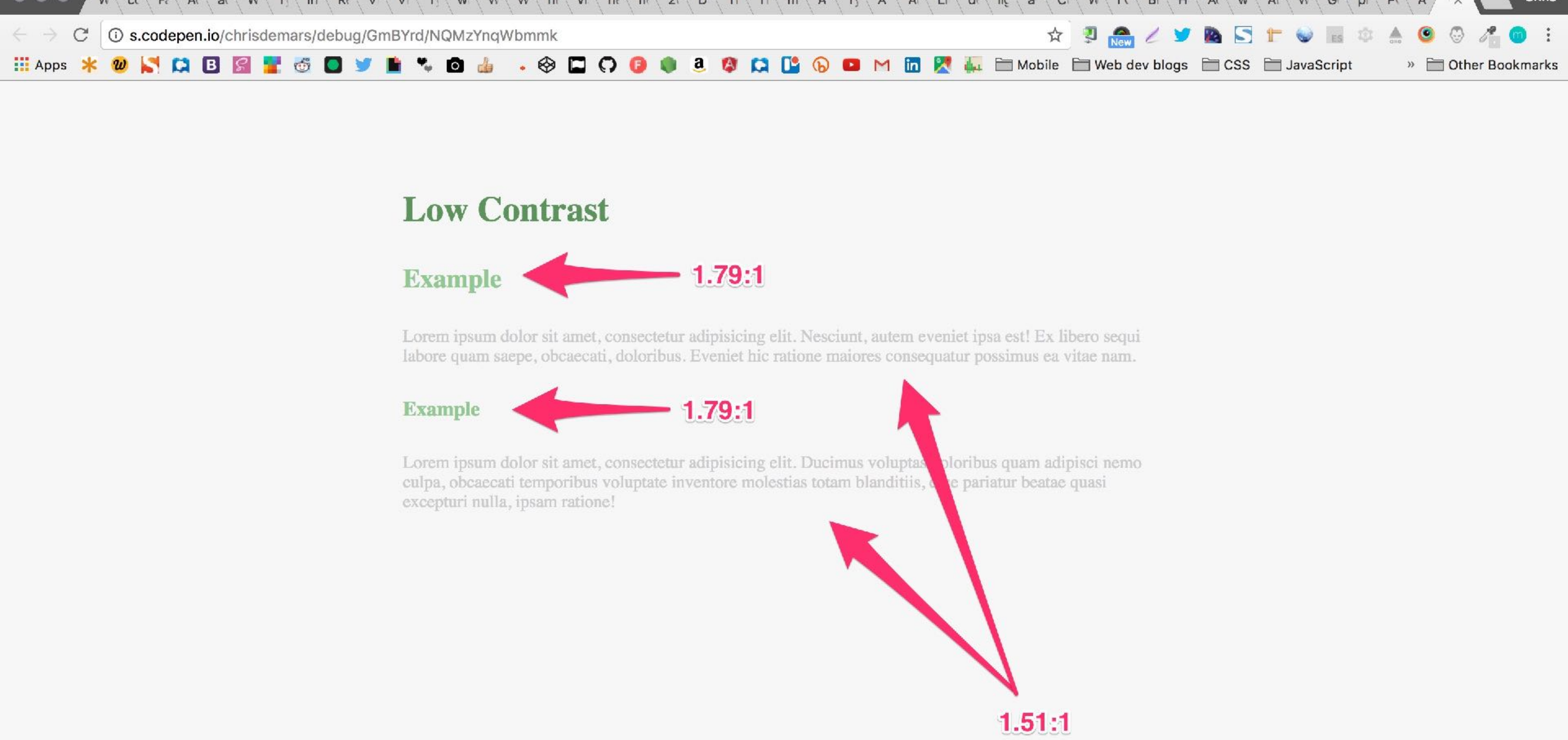


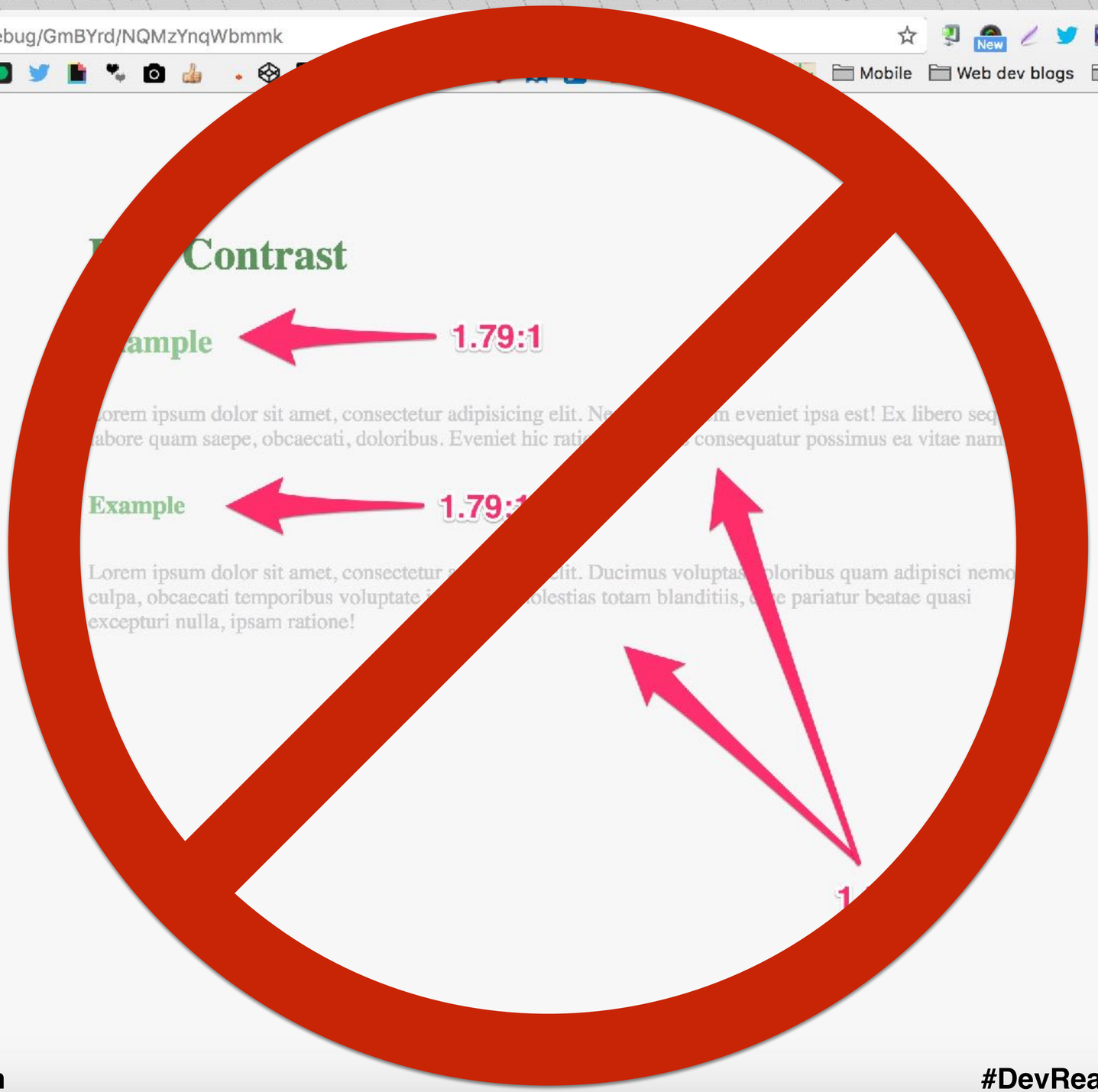
Total Number of Suits Nationwide: At least **814**

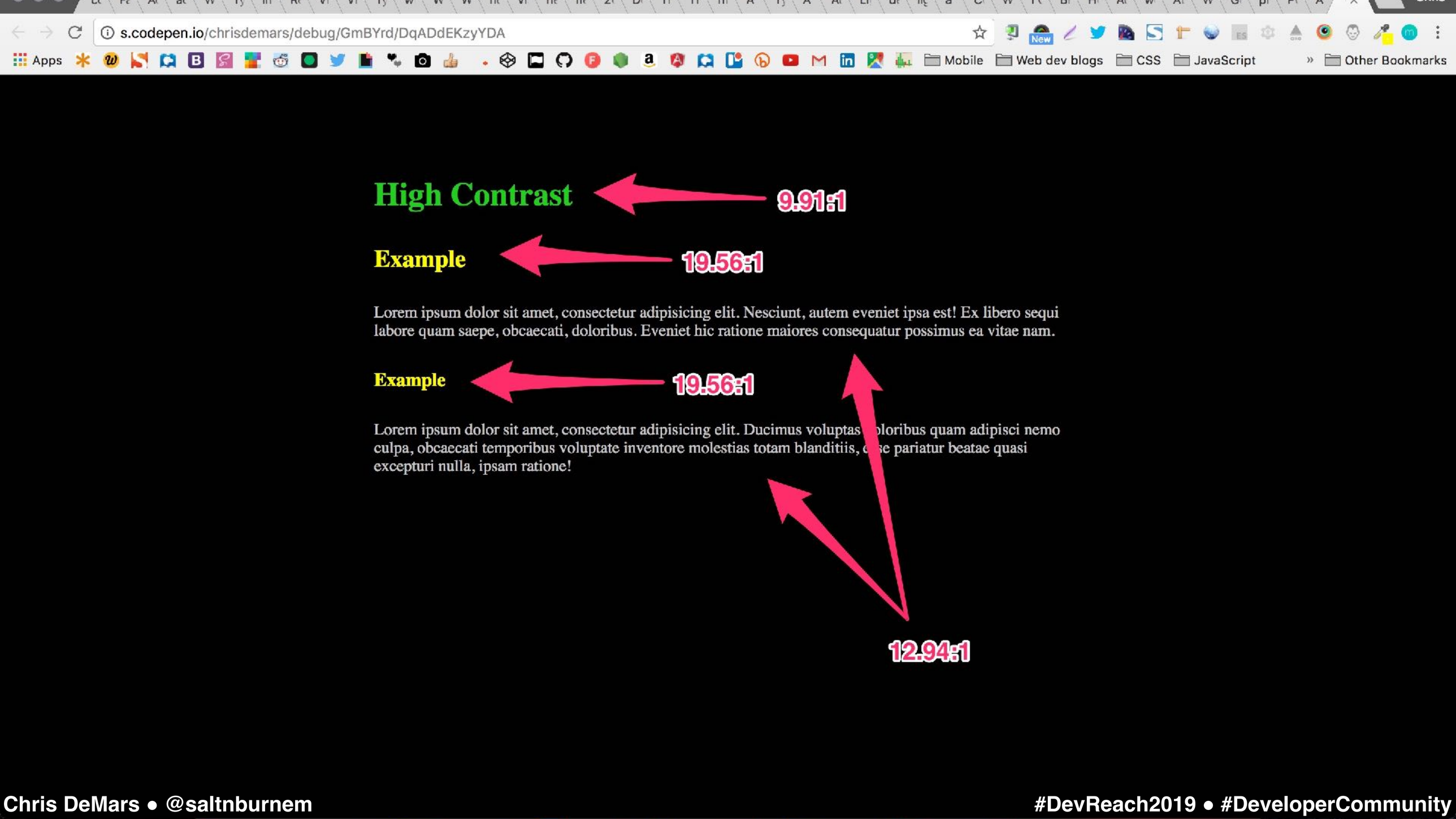
http://bit.ly/2Ds4EPd

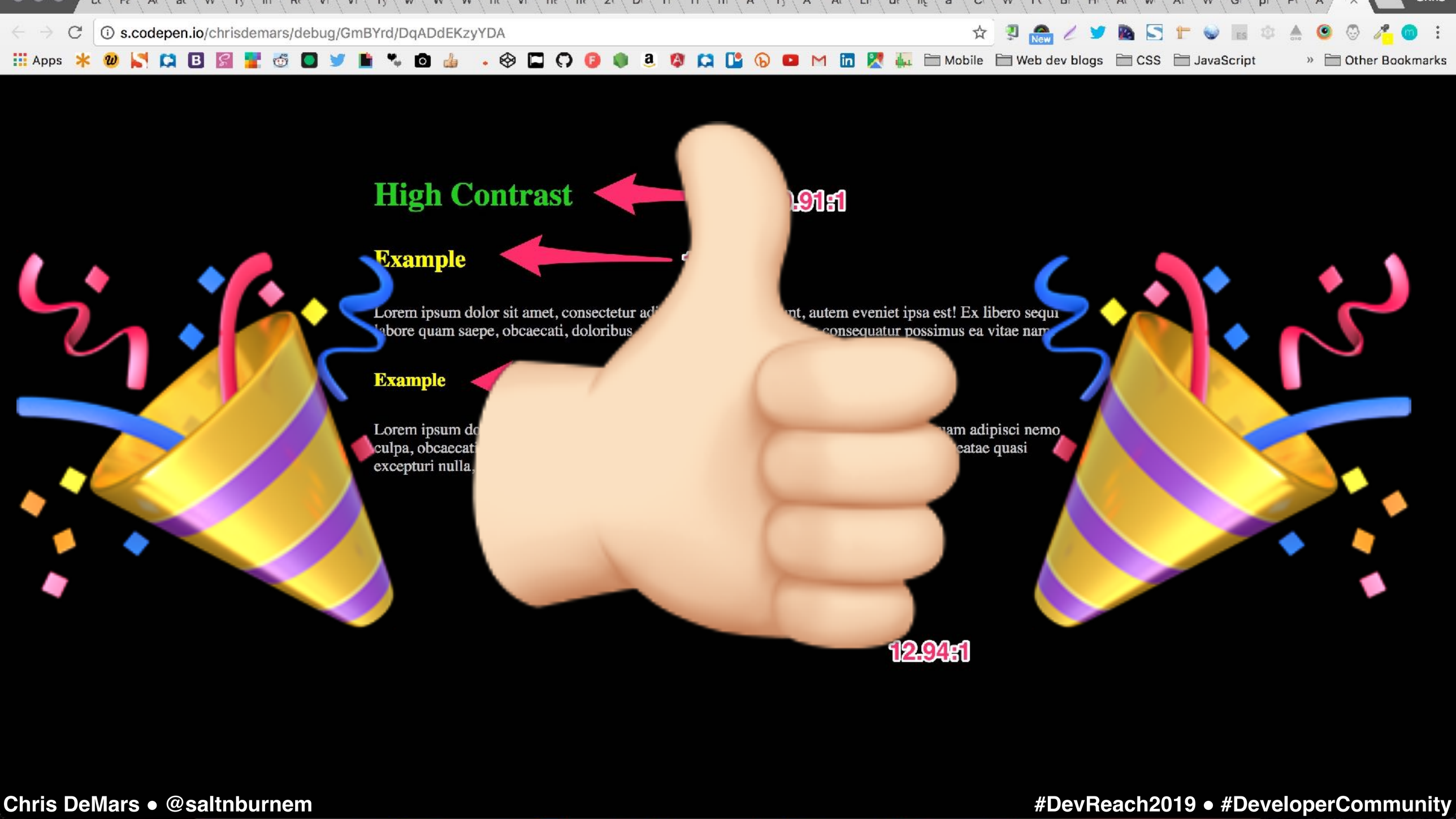
What is good color contrast?

WCAG 2.1 says 4.5:1


s.codepen.io/chrisdemars/debug/GmBYrd/NQMzYnqWbmmk
Apps
Mobile
Web dev blogs
CSS
JavaScript
Other Bookmarks
Low Contrast
Example
1.79:1
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nesciunt, autem eveniet ipsa est! Ex libero sequi labore quam saepe, obcaecati, doloribus. Eveniet hic ratione maiores consequatur possimus ea vitae nam.
Example
1.79:1
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ducimus voluptas doloribus quam adipisci nemo culpa, obcaecati temporibus voluptate inventore molestias totam blanditiis, dolore pariatur beatae quasi excepturi nulla, ipsam ratione!
1.51:1


Contrast
1.79:1
Example
1.79:1


s.codepen.io/chrisdemars/debug/GmBYrd/DqADdEKzyYDA
Apps
Mobile
Web dev blogs
CSS
JavaScript
Other Bookmarks
High Contrast
9.91:1
Example
19.56:1
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nesciunt, autem eveniet ipsa est! Ex libero sequi labore quam saepe, obcaecati, doloribus. Eveniet hic ratione maiores consequatur possimus ea vitae nam.
Example
19.56:1
Lorem ipsum dolor sit amet, consectetur adipisicing elit. Ducimus voluptas doloribus quam adipisci nemo culpa, obcaecati temporibus voluptate inventore molestias totam blanditiis, esse pariatur beatae quasi excepturi nulla, ipsam ratione!
12.94:1


s.codepen.io/chrisdemars/debug/GmBYrd/DqADdEKzyYDA
Apps
Mobile
Web dev blogs
CSS
JavaScript
Other Bookmarks
High Contrast
.91:1
Example
Lorem ipsum dolor sit amet, consectetur ad
nt, autem eveniet ipsa est! Ex libero sequi
abore quam saepe, obcaecati, doloribus
consequatur possimus ea vitae nam
Example
Lorem ipsum do
am adipisci nemo
culpa, obcaecati
eatae quasi
excepturi nulla.
12.94:1

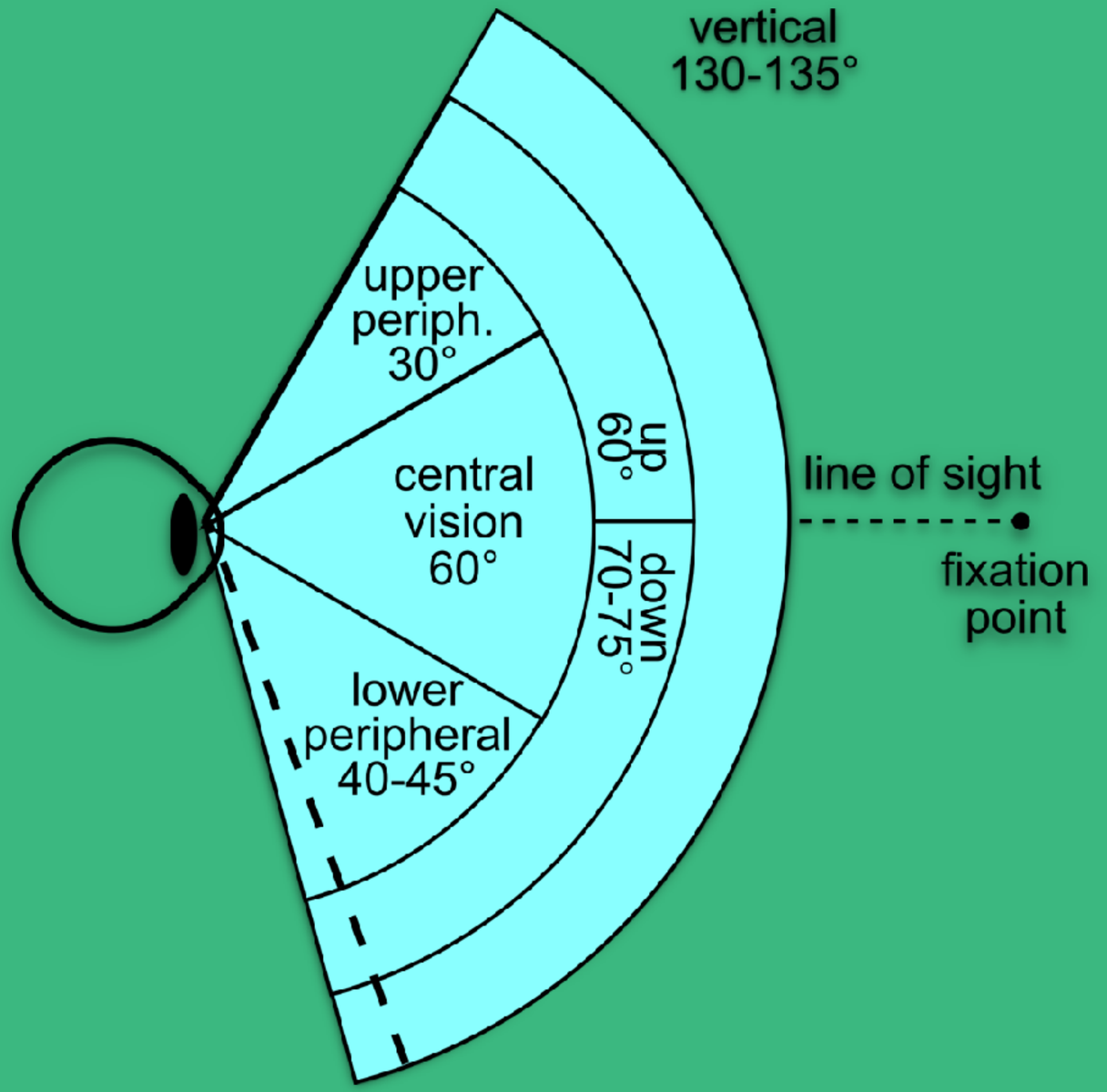
Field of Vision

TWO BLIND BROTHERS
MEN'S
WOMEN'S
KIDS'
ACCESSORIES
HELP
FEEL THE DIFFERENCE
MAKE A DIFFERENCE
MEN'S
WOMEN'S
KIDS'

TWO BLIND BROTHERS
MEN'S
WOMEN'S
KIDS'
ACCESSORIES
HELP
FEEL THE DIFFERENCE
MAKE A DIFFERENCE
MEN'S
WOMEN'S
KIDS'

What is field of vision?

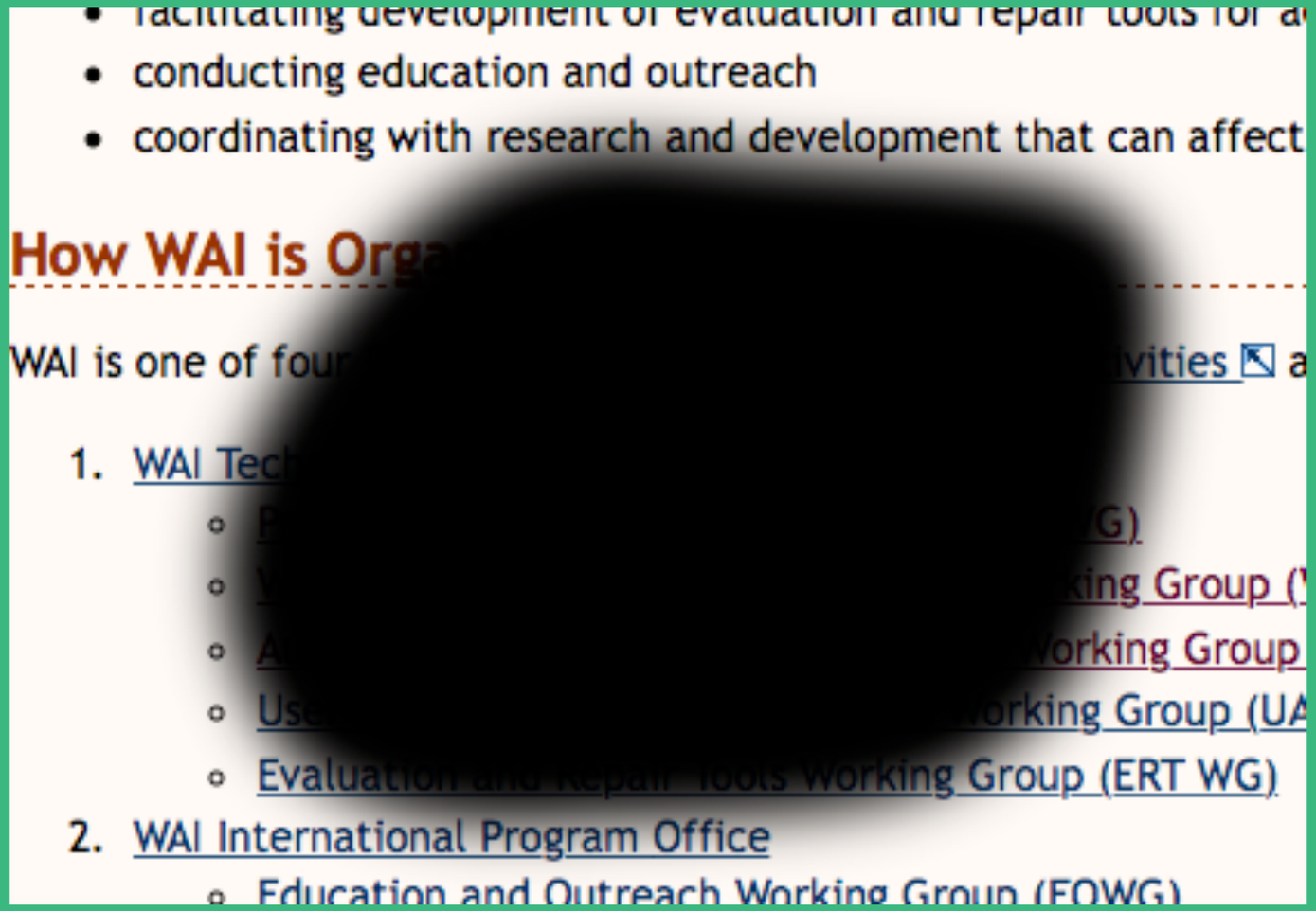
Technical Stuff!



Three types of Field of Vision impairments

1.

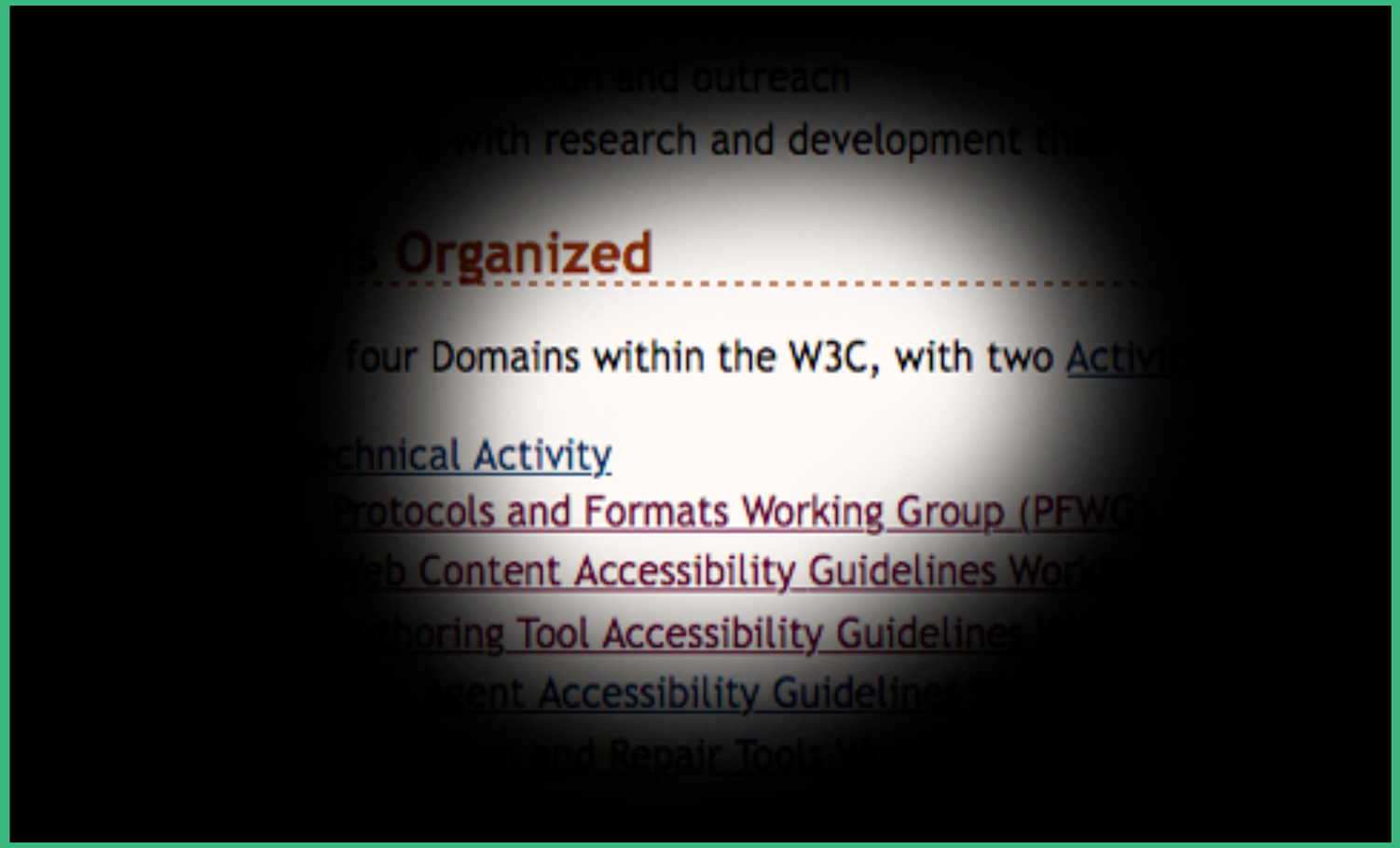
Central



https://www.w3.org/TR/2016/WD-low-vision-needs-20160317/#cause-and-progression-of-low-vision

2.

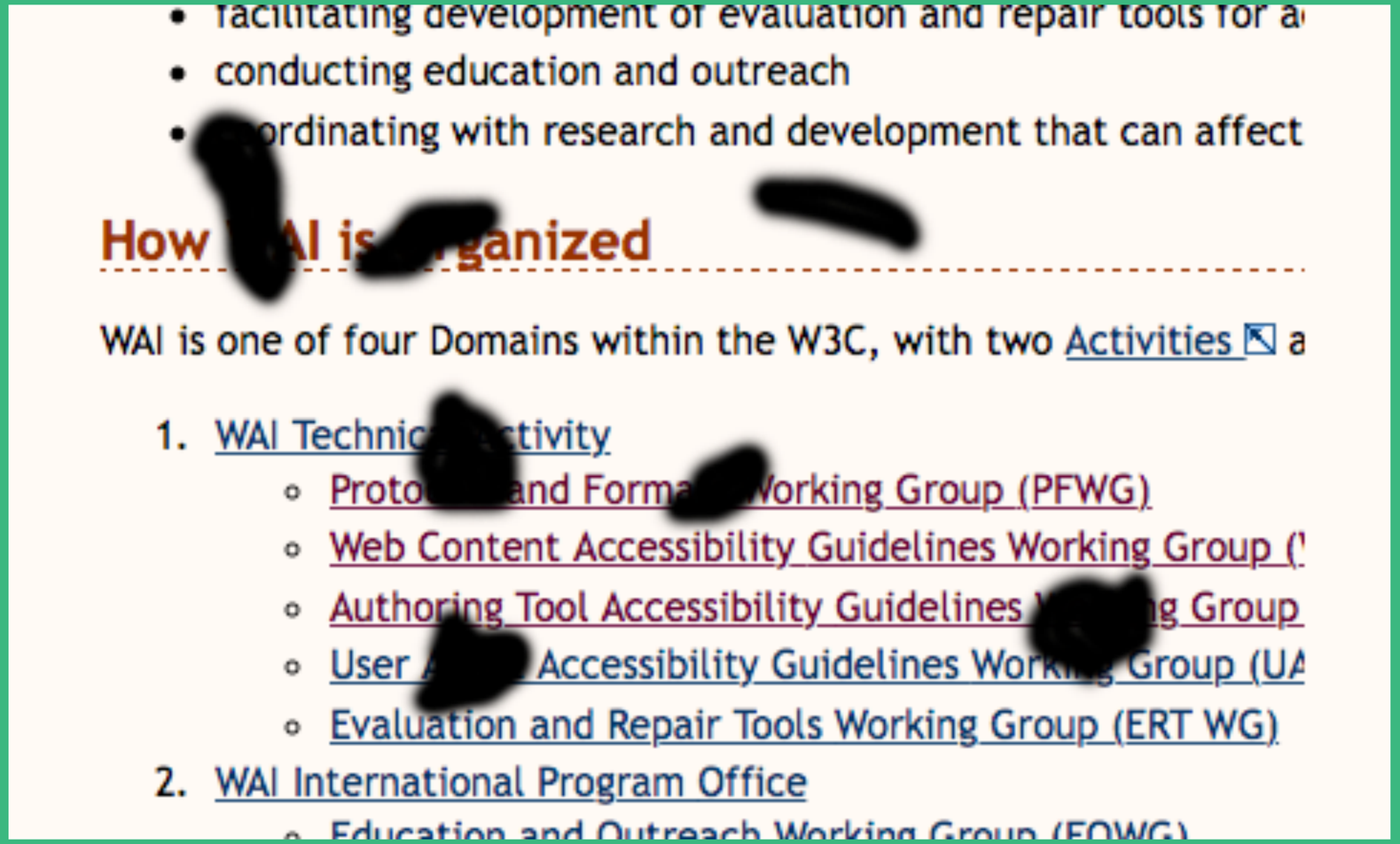
Peripheral



https://www.w3.org/TR/2016/WD-low-vision-needs-20160317/#cause-and-progression-of-low-vision

3.

Other



- facilitating development of evaluation and repair tools for a
- conducting education and outreach
- ordinating with research and development that can affect

How WAI is organized

WAI is one of four Domains within the W3C, with two Activities a

1. WAI Technic ctivity
   - Proto and Forma Working Group (PFWG)
   - Web Content Accessibility Guidelines Working Group (
   - Authoring Tool Accessibility Guidelines g Group
   - User Accessibility Guidelines Work Group (UA
   - Evaluation and Repair Tools Working Group (ERT WG)
2. WAI International Program Office
   - Education and Outreach Working Group (EOWG)

https://www.w3.org/TR/2016/WD-low-vision-needs-20160317/#cause-and-progression-of-low-vision

Secure https://www.w3.org/TR/2016/WD-low-vision-needs-20160317/#cause-and-progression-of-low-vision
Apps https://www.w3.org/TR/2016/WD-low-vision-needs-20160317/#cause-and-progression-of-low-vision aScript Other Bookmarks

W3C Working Draft

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2.4.2 Light Sensitivity
2.4.3 Contrast Sensitivity
2.4.4 Field of Vision
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2.5 Functional Vision

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3.3 Perceiving
3.3.1 Text Size
3.3.2 Font
3.3.3 Style

Accessibility Requirements for People with Low Vision

W3C First Public Working Draft 17 March 2016

This version:
http://www.w3.org/TR/2016/WD-low-vision-needs-20160317/

Latest published version:
http://www.w3.org/TR/low-vision-needs/

Latest editor's draft:
http://w3c.github.io/low-vision-a11y-tf/requirements.html

Editors:
Jim Allan, Texas School for the Blind and Visually Impaired
Andrew Kirkpatrick, Adobe
Shawn Lawton Henry, TAdER Project

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Abstract

This document, Accessibility Requirements for People with Low Vision, describes what people with low vision need for electronic content, tools, and technologies to be accessible. It includes an overview of low vision and describes specific user needs. Additional information is available from Accessibility for People with Low Vision.

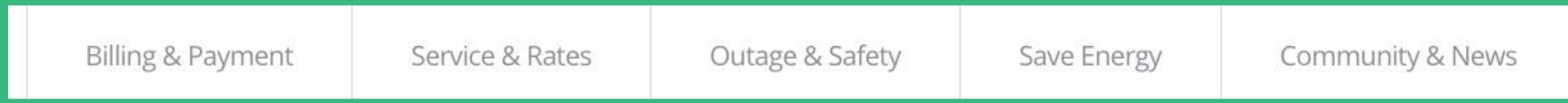
Status of This Document

This section describes the status of this document at the time of its publication. Other documents may supersede this document. A list of current W3C publications and the latest revision of this technical report can be found in

The Problem

Contrasting Colors

Contrast Tools
Foreground color:
808284
lighter | darker
Background color:
ffffff
lighter | darker
Contrast Ratio: 3.86:1
Normal Text: Sample
AA: Fail
AAA: Fail
Large Text: Sample
AA: Pass
AAA: Fail


Billing & Payment
Service & Rates
Outage & Safety
Save Energy
Community & News

Colors That Just Don’t Work

Communication Through Colors

My Awesome Legend

My Awesome Legend

Waiting

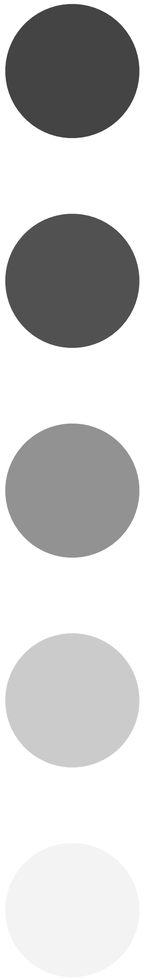
Pushed

In Progress

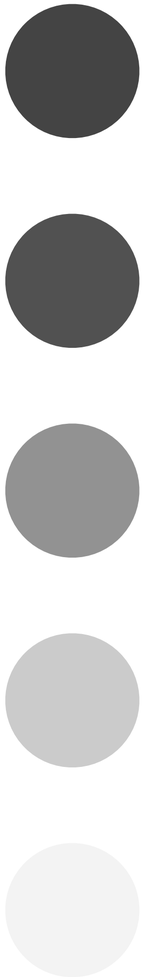
Denied

Passed

My Awesome Legend



My Awesome Legend



Waiting

Pushed

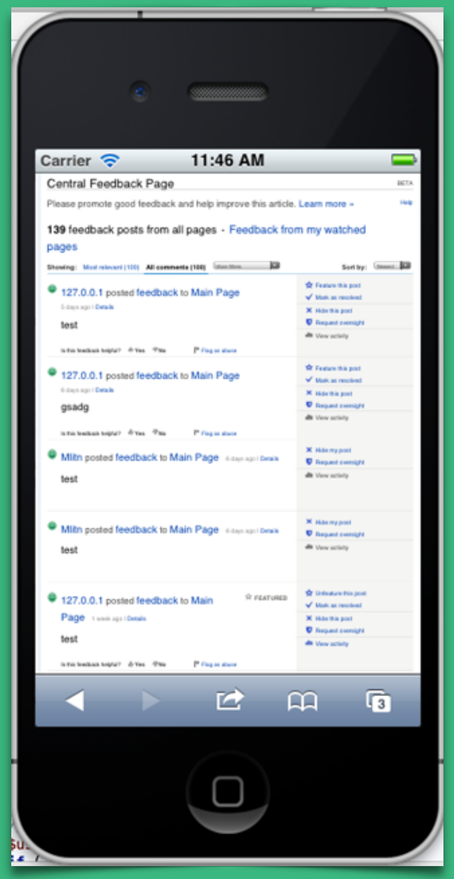
In Progress

Denied

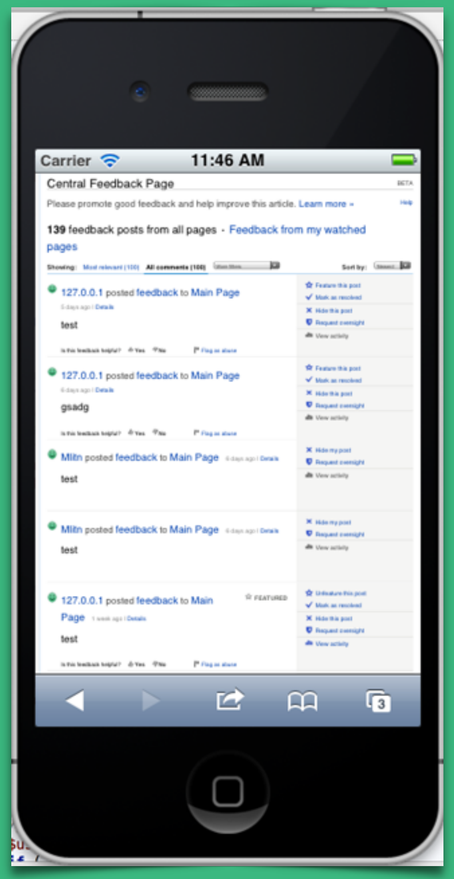
Passed

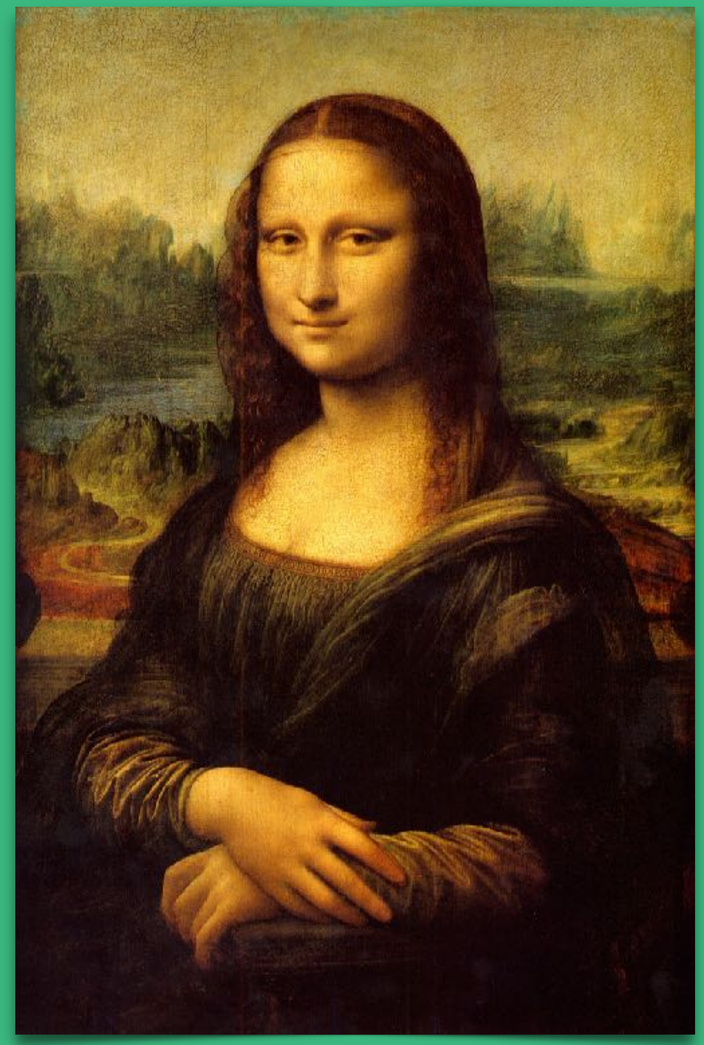
Disabling Zoom

Disabling Zoom



Disabling Zoom





Poor Line Height

No Line Height

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Some Line Height

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Poor Typography

*

* Comic Sans

*

Conflicting Typography

The Solution

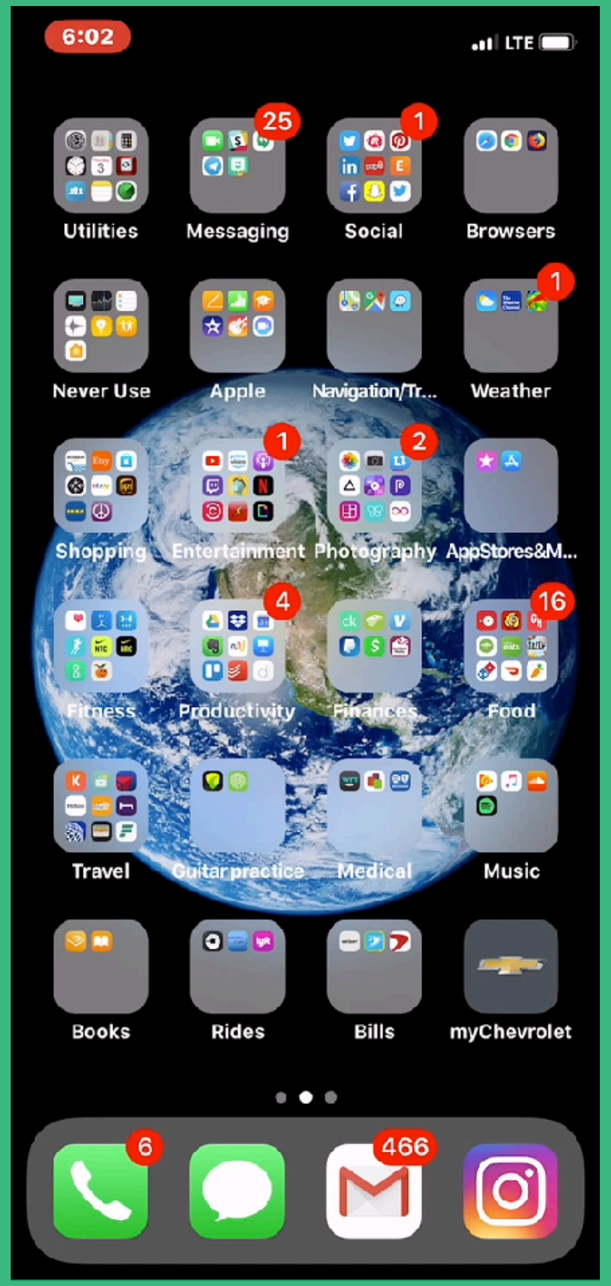
Choose Readable Typography

Comic Sans

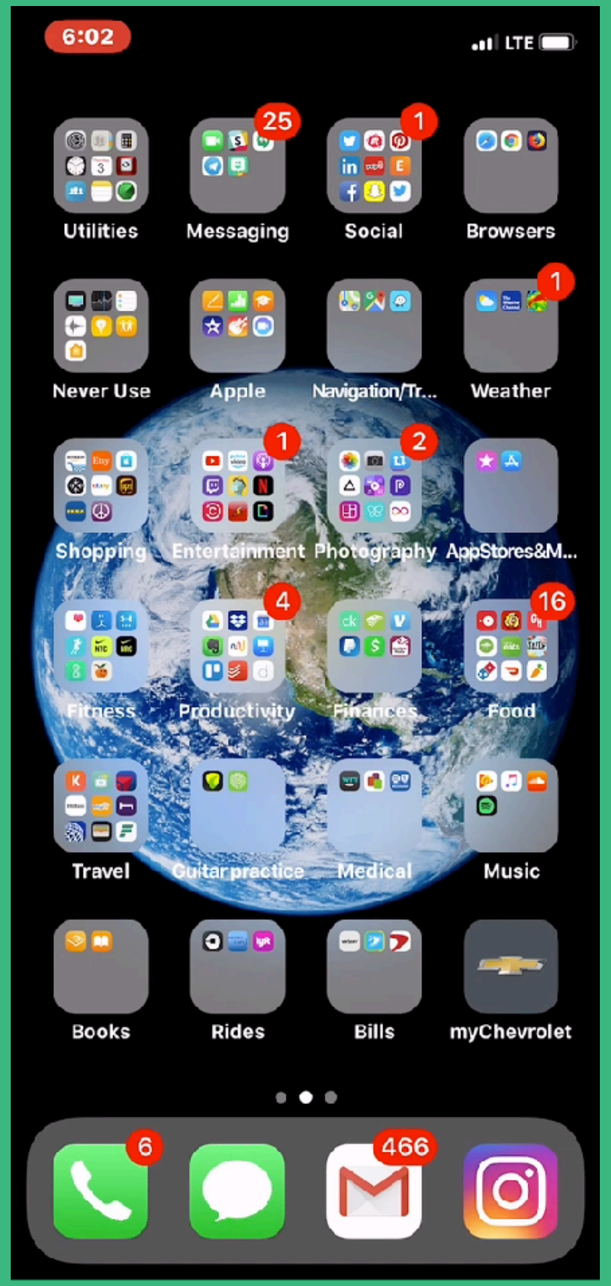
Arial

Icons & Symbols

Enable Zoom by Default



Zooooooooom!



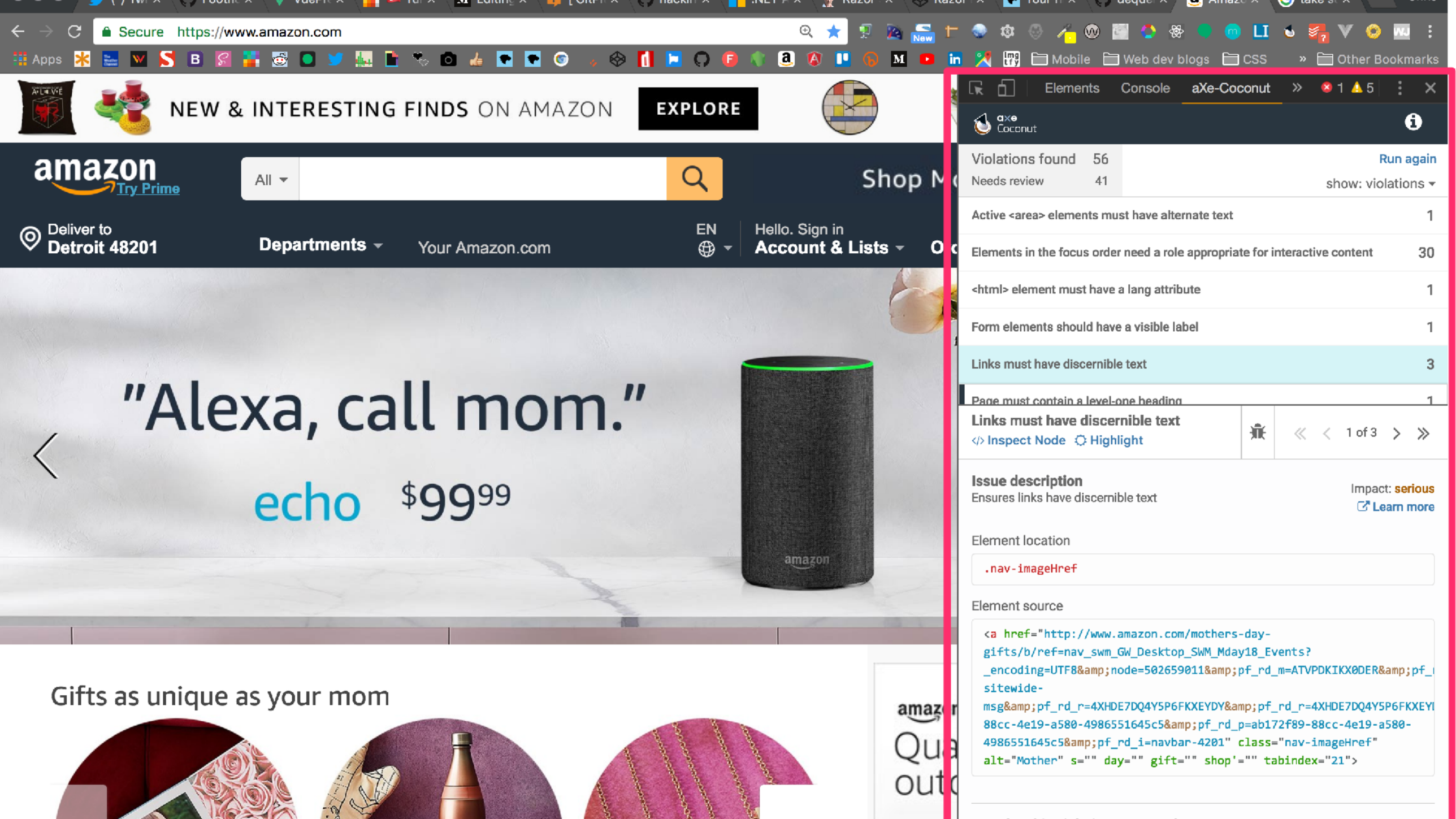
Zooooooooom!

Tools

https://github.com/dequelabs/axe-core

Browser Extensions & Testing Frameworks

cypress.io


Secure https://www.amazon.com
Apps
Mobile
Web dev blogs
CSS
Other Bookmarks
NEW & INTERESTING FINDS ON AMAZON
EXPLORE
amazon
Try Prime
All
Deliver to
Detroit 48201
Departments
Your Amazon.com
EN
Hello. Sign in
Account & Lists
"Alexa, call mom."
echo
$99.99
Gifts as unique as your mom
Elements
Console
aXe-Coconut
axe
Coconut
Violations found 56
Needs review 41
Run again
show: violations
Active <area> elements must have alternate text 1
Elements in the focus order need a role appropriate for interactive content 30
<html> element must have a lang attribute 1
Form elements should have a visible label 1
Links must have discernible text 3
Page must contain a level-one heading 1
Links must have discernible text
Inspect Node
Highlight
1 of 3
Issue description
Ensures links have discernible text
Impact: serious
Learn more
Element location
.nav-imageHref
Element source
<a href="http://www.amazon.com/mothers-day-gifts/b/ref=nav_swm_GW_Desktop_SWM_Mday18_Events?_encoding=UTF8&node=502659011&pf_rd_m=ATVPDKIKX0DER&pf_rd_r=4XHDE7DQ4Y5P6FKXEYDY&pf_rd_r=4XHDE7DQ4Y5P6FKXEYDY&pf_rd_s=sitewide-msg&pf_rd_t=4XHDE7DQ4Y5P6FKXEYDY&pf_rd_p=ab172f89-88cc-4e19-a580-4986551645c5&pf_rd_r=4XHDE7DQ4Y5P6FKXEYDY&pf_rd_p=ab172f89-88cc-4e19-a580-4986551645c5&pf_rd_i=navbar-4201" class="nav-imageHref" alt="Mother" s="" day="" gift="" shop'="" tabindex="21">

```
9     },
0     "dependencies": {
1       "axe-core": "3.2.2",
2       "chrome-launcher": "^0.10.7",
3       "configstore": "^3.1.1",
```

Takeaways

Takeaways

Use Colors That Work

Takeaways

Use Colors That Work

Run Web Sites Through a Testing/Audit Tool

Takeaways

Use Colors That Work

Run Web Sites Through a Testing/Audit Tool

Choose Proper Typography

Takeaways

Use Colors That Work

Run Web Sites Through a Testing/Audit Tool

Choose Proper Typography

Use A Plugin For Your Editor For Testing

Takeaways

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Choose Proper Typography

Use A Plugin For Your Editor For Testing

Leave Zoom Alone!

“Every Little Bit Of Accessibility You Contribute Is So Appreciated And So Needed.”

- Marcy Sutton

Resources & Credits

https://bit.ly/2BheA2c