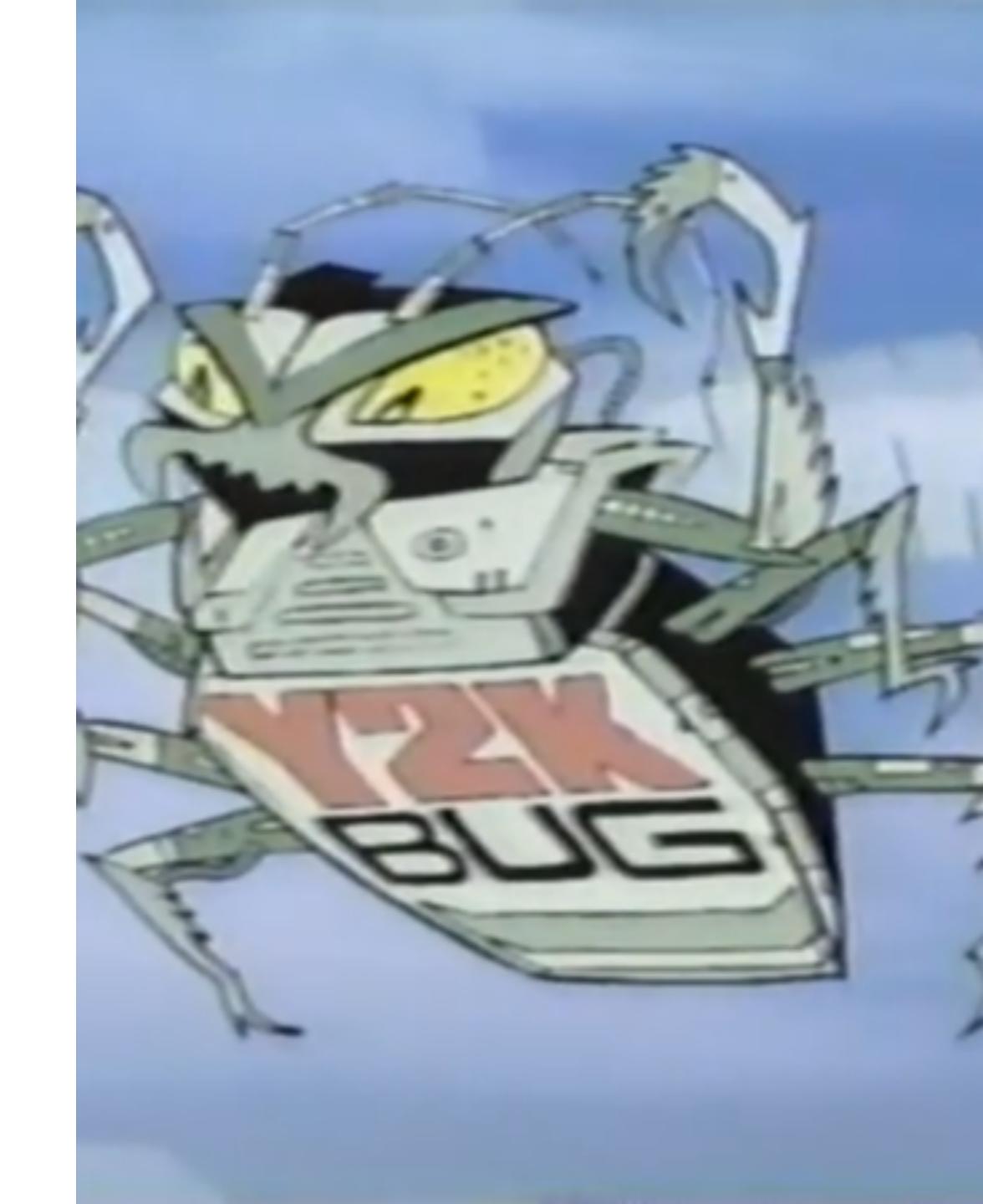# The Internet is for Everyone

Slides available at kattow.dev/the-internet-is-for-everyone

This is not an original title.

It originally belonged to Vint Cert's The Internet is for Everyone

We've come a long way

Tech should work for everyone

KAT TOW • OCTOBER 2020 • CWITC

We have no idea what we're doing

What is disability?

Who might be disabled?

Why is this a big deal?

How to get started?

Where to go next?

The speaker

Is a web developer

Is not an expert

🐦 @akattow

💼 /in/kattow/

✉️ hello@kattow.dev

The language

Person-first or identity-first?

a11y = accessibility

What is disability?

The medical model

The social model

Poor design disables users.

Good design enables all users.

Who is disabled?

Vision

Mobility

Speech

Hearing

Cognition

Neural

Examples of disabled users

Vision: Cataracts, color blindness, full or partial blindness

Mobility: Broken wrist, repetitive stress injury, spinal cord injury

Speech: Sore throat, noisy location, unable to speak

Hearing: Ear infection, noisy location, deaf or hard of hearing

Cognition: Sleep-deprived, learning disabilities

Neural: Anxiety, depression, PTSD
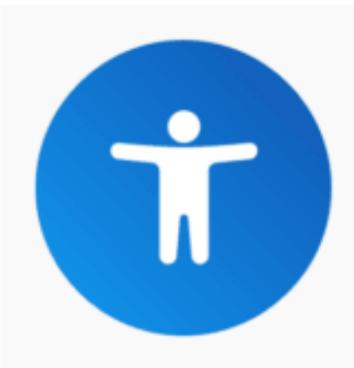
Why is this important?

85.3 million

27% vs. 2%

Are you still supporting Internet Explorer?

In the past few years, the United States has seen a massive uptick in web accessibility lawsuits

The National Law Review - When Good Sites Go Bad

What you'll want to do

One Click Accessibility

★★★★☆ (17)

The One Click Accessibility plugin is the fastest plugin to help you make your website...
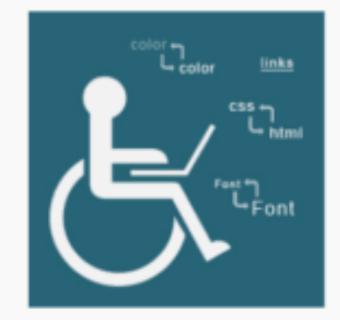
One Click Accessibility

20,000+ active installations   Tested with 5.3.2

WP Accessibility Helper (WAH)

★★★★★ (48)

Web accessibility refers to the inclusive practice of removing barriers that prevent interaction with, or...

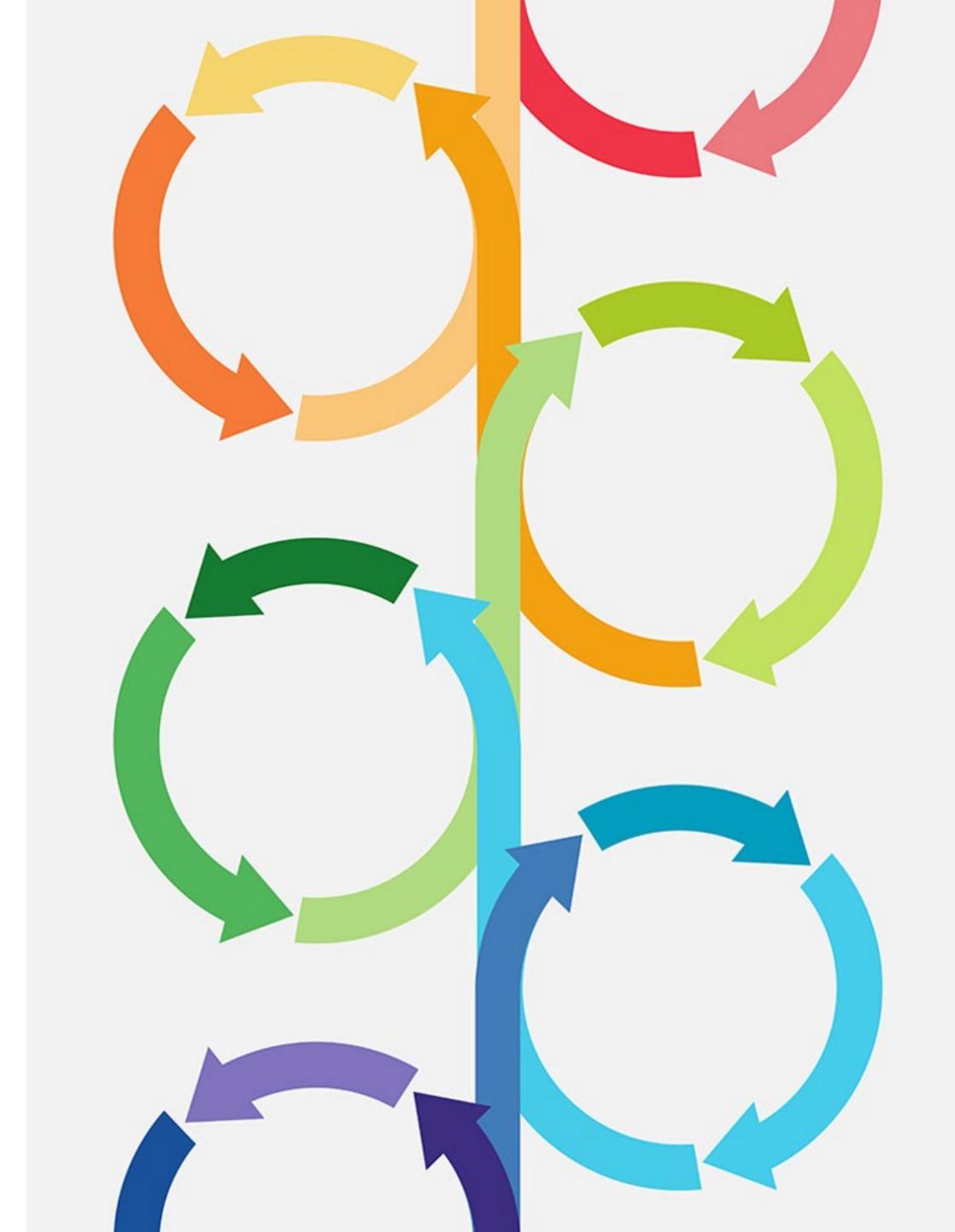Alex Volkov

10,000+ active installations   Tested with 5.3.2

What you should actually do

Validate

Check

Test

Iterate

How to get started

Critical Paths
&
Common Problems

Readable text

Meet or beat minimum contrast thresholds

Use more than just color

Ensure text is resizable

Text alternatives

```
alt="a golden retriever uses a computer"

alt=""

cute_dog_102919_prod_final2.jpg
```

Links, buttons, & native HTML

```
<button aria-label="high
five me">🙌</button>
```
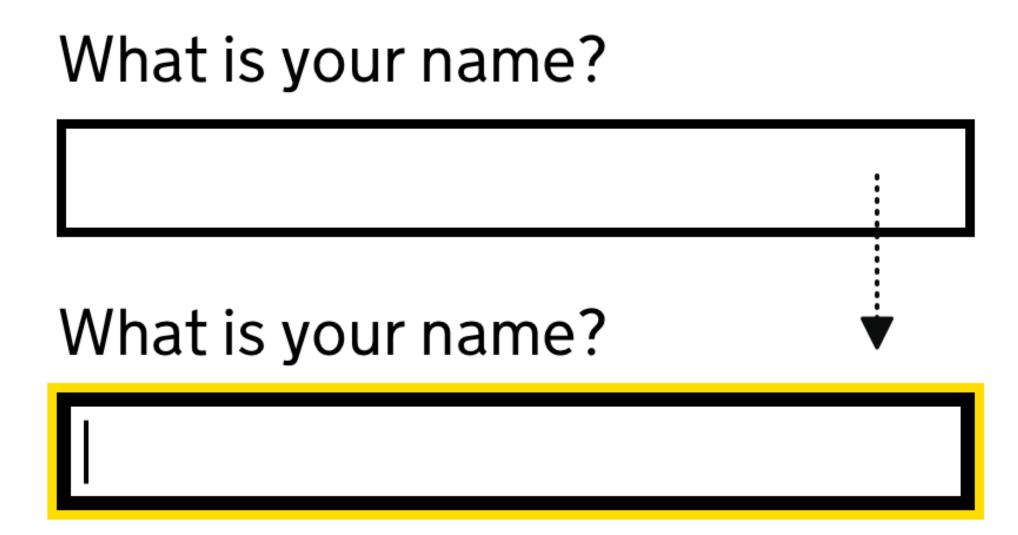
```
<a href="#">click here</a>
```

Label those forms

```
<label for="fname">First
name</label>

<input type="text"
id="fname" name="fname" />
```

```
<input type="text"
placeholder="First name" />
```

Maintain focus

What is your name?

What is your name?

Be chill

Detecting issues

Linting

pa11y

eslint-plugin-jsx-a11y

Automated tests

axe

WAVE

unit, integration, e2e

Tab testing

Be able to reach every interactive element on the page (links, buttons, form elements, etc.)

Be able to visually see which element is in focus

The order in which you reach elements should make sense

Content analysis

~~Click here~~

Hemmingway

Grammarly

Screen reader testing

Desktop:

NVDA + Firefox or Chrome (Windows)

JAWS + Chrome (Windows)

VoiceOver + Safari

Mobile:

VoiceOver + mobile Safari (iOS)

Talkback + mobile Chrome (Android)

User testing

Test & remediate first

Gain confidence that your product works for diverse users

More important the more complex your product is

Where to go next

You can do it.

General resources

[WCAG](#)

[Web Accessibility Initiative at W3C](#)

[WebAIM](#)

[Current State of International Accessibility Standards](#)

[Tools and Techniques](#)

[The A11y Project](#)

[Accessibility for Teams](#)

Design resources

Microsoft Inclusive Design Toolkit

Inclusive Design Principles

Designing For Accessibility And Inclusion

Browser testing

WAVE

axe

Lighthouse

Screen readers

NVDA **+ Firefox or Chrome (Windows)**

JAWS **+ Chrome (Windows)**

VoiceOver **+ Safari**

VoiceOver **+ mobile Safari (iOS)**

Talkback **+ mobile Chrome (Android)**

WebAIM Screen Reader Survey #8 (2019)

SR keyboard shortcut cheatsheets

Courses

Web Accessibility by Google - free

W3 Web Accessibility - free for a few weeks

Deque University - paid

On plugins

[Honor the ADA: Avoid Web Accessibility Quick-Fix Overlays](#)

[Web Accessibility Overlays Don't Work](#)

[Toolbar Plugins/Widgets for Website Accessibility Aren't ADA/508 Compliant](#)

[Overlays are not the solution to your accessibility problem](#)

Thank you!