Making a Strong Case for Accessibility

Todd Libby

@toddlibby





BEER CITY CODE





Thank you!

(B) tes





Maine













Accessibility Team Lead @ WebstaurantStore Accessibility Engineer @ Centre for Inclusive Design W3C Invited Expert - Accessibility & WCAG3 23 years of developer, design, & accessibility experience

Host of the Front End Nerdery Podcast

Portland, Maine 🥢 🔿 Phoenix, Arizona 😥



Making Your Case at Your Organization



Using Data to Advocate



One million homepages

https://webaim.org/projects/million/



 One million homepages 50.8+ million accessibility errors

https://webaim.org/projects/million/



 One million homepages 50.8+ million accessibility errors Decreased 1.1% since February 2021

https://webaim.org/projects/million/



887 to 955 elements per home page

WebAIM Million Report



Increased 7.7% since February 2021

887 to 955 elements per home page



 887 to 955 elements per home page Increased 7.7% since February 2021 accessibility error

5.3% of all home page errors had a detected





What are the failures?



Low Contrast of Text



Report

We take all reports seriously. Making false or repeated reports may result in your account being suspended.



×

1.1:1 Color contrast ratio (Contrast ranges from 1:1 to 21:1)



https://www.w3.org/WAI/WCAG21/Understanding/contrast-minimum.html

SC 1.4.3 Contrast (Minimum)(Level AA)

"The visual presentation of text and images of text has a contrast ratio of at least 4.5 to 1"



Missing Alternative Text





 ()

<img src="/path/to/img/lobster.png" alt="Todd's</pre> lobster roll, hot butter, and blueberry soda."> 🗸





 Low contrast text Missing alternative text of images • Empty links • Missing form input labels • Empty buttons Missing document language





96.5% of all errors



Examples of practical digital accessibility

- Color contrast that exceeds guidelines (>10 to 1 ratio) Accessible color schemes/combinations • Keyboard/screen reader accessible

"Low-hanging fruit"

 Accessible components (accordions, modals, tooltips, etc.) Performant web apps, PWAs, mobile apps, Web sites



More Examples of practical digital accessibility

- Scrollable interactive content
- charts, graphs)
- sun)
- Other situational disabilities
 - Broken arm
 - Child on lap

Alternative text on images where necessary (infographics,

Accessible when viewing mobile phone screen (glare from



Disability is just Blind, Deaf, or Paralysis. Right?





Learning / Cognitive ADHD / ADD Fibromyalgia / Arthritis Tremors / Parkinson's **Migraine Headaches / Photophobia**







"The client doesn't have the budget for it."



"We'll get to it after launch."



"Why do we even need to make this thing accessible?"


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"There is no time to do this."



"Why do we even need to make this thing accessible?"

"There is no time to do this."

"We don't have disabled users."



"Why do we even need to make this thing accessible?"

"There is no time to do this."

"We don't have disabled users."

"The people that use our product are not disabled."







internally-screaming













How do I get buy-in from stakeholders, clients, colleagues?

individuals.

Buy-In

Support trickles down from C-suite & top level to managers, teams, and





How do I get buy-in from stakeholders, clients, colleagues?

- individuals.
- designs and clean code.

Buy-n

• Support trickles down from C-suite & top level to managers, teams, and

• Do this from the start. Low maintenance is needed, because of accessible





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- Cite instances from the lawsuits that have been won against major corporations (Domino's Pizza, Target, Bank of America).

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BUN

- individuals.
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- Cite instances from the lawsuits that have been won against major corporations (Domino's Pizza, Target, Bank of America).
- Live testing with disabled users recorded on video.

How do I get buy-in from stakeholders, clients, colleagues?

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Worldwide of disposable income of individuals with disabilities

https://www.triplepundit.com/story/2022/investing-disability-inclusion/741416

58 Trillion



https://diverseabilitymagazine.com/2018/09/buying-power-people-disabilities/

\$490 Billion

Disposable income of individuals with disabilities in the U.S.





B. Us



Organization Advocates

Teams or individuals that advocate in your organization

 Having a person throughout each department or a team focused on accessibility as a liaison.



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- Having a person throughout each department or a team focused on accessibility as a liaison.
- guidelines and work with others to make accessible products.

Someone that can answer questions and work with others to practice the



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Teams or individuals that advocate in your organization

- Having a person throughout each department or a team focused on accessibility as a liaison.
- guidelines and work with others to make accessible products.
- departments.

Someone that can answer questions and work with others to practice the

Help set up documentation and tooling, serve as an intermediary between









Assess the product and the proficiency within the organization

they are is a key priority.

Assessment

Gauging where the product(s) are as far as how inclusive and accessible





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Assess the product and the proficiency within the organization

• Gauging where the product(s) are as far as how inclusive and accessible

• What is the current state of the product, website, or mobile application?





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- the company currently have.

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- How much training do you have and will you need?

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It should meet requirements that apply to the organization

Training





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 - Deque
 - TPGi
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Iraining







of code better

Guidelines

Consistent implementation

Design systems ensure accessibility and inclusivity and the understanding



- of code better
- Accessible components reduce time to implement

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Consistent implementation

• Design systems ensure accessibility and inclusivity and the understanding

Testing procedures implemented so people can do jobs well and efficiently



- Design systems ensure accessibility and inclusivity and the understanding of code better
- Accessible components reduce time to implement Testing procedures implemented so people can do jobs well and efficiently Document guidelines in a collaborative manner using tools

Consistent implementation



Standards


- Communications and Video Accessibility Act (CVAA) United States
- accessibility (U.S. Government)

Guidelines from different countries

• American Disabilities Act (ADA), the Air Carrier Access Act (ACAA), and the • Section 508 of the Rehabilitation Act, DOJ issues guidance for website



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Accessible Canada Act (ACA), Accessibilities for Ontario's with Disabilities



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- Web Content Accessibility Guidelines (WCAG) Internationally

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- Convention on the Rights of Persons with Disabilities (CPRD)
 - Article 9
 - Article 21

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Testing

(D) to



Hiring disabled people

Test & record cases where disabled users are using the product



 Test & record cases where disabled users are using the product • Present to C-suite & top level people to colleagues/teams

Hiring disabled people



- Test & record cases where disabled users are using the product
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- Outsource testing with companies:
 - Fable

Hiring disabled people



- Test & record cases where disabled users are using the product Present to C-suite & top level people to colleagues/teams
- Outsource testing with companies:
 - Fable
- Hire disabled people!
 - Teaching and advocating. They have the lived experiences.

Hiring disabled people



Accessibility Overlays



"We use an accessibility overlay. We're okay."





AccessiBe Audioeye Equalweb Facil'iti Usablenet Userway Many, many more!



Overlays will get you sued.



<script>(function(){ var s = document.createElement('script'), e = !
document.body ? document.querySelector('head') : document.body; s.src =
'https://acsbapp.com/apps/app/dist/js/app.js'; s.async = true; s.onload =
function(){ acsbJS.init({ statementLink : '', footerHtml : '', hideMobile :
false, hideTrigger : false, language : 'en', position : 'left', leadColor :
'#000000', triggerColor : '#000000', triggerRadius : '50%', triggerPositionX :
'left', triggerPositionY : 'center', triggerIcon : 'people', triggerSize :
'small', triggerOffsetX : 3, triggerOffsetY : 3, mobile : { triggerSize :
'small', triggerPositionX : 'left', triggerPositionY : 'center',
triggerOffsetX : 3, triggerOffsetY : 3, triggerRadius : '50%' } }); };
e.appendChild(s);}());</script>





So what do we do?





Automated testing wherever possible with new releases or changes

- Accessibility is never done



- Automated testing wherever possible with new releases or changes • Screen reader analysis before every release
- Accessibility is never done



- Automated testing wherever possible with new releases or changes • Screen reader analysis before every release
- Annual audits



- Automated testing wherever possible with new releases or changes • Screen reader analysis before every release
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- User testing



- Automated testing wherever possible with new releases or changes • Screen reader analysis before every release
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- Accessibility is never done! Keep moving forward!



- Automated testing wherever possible with new releases or changes • Screen reader analysis before every release
- Annual audits
- User testing
- Accessibility is never done! Keep moving forward!
- Like the web, accessibility is always evolving





"...our industry as a whole thinks less and less about accessibility (not that we ever had an A game on the subject), and talks less and less about progressive enhancement, preferring to chase the ephemeral goal posts of overengineered solutions to non-problems."

Jeffrey Zeldman - https://www.zeldman.com/2019/12/01/bluebeanieday2019/





Today, my dad cried over the phone, hhis computer without my help.

He's blind.

Each inaccessible webpage tells him, "you aren't welcome in this world."

If you don't know whether your website or app is accessible: it's not.

Start learning.

12:46 AM · Jun 10, 2020 · Twitter Web App

11.7K Retweets 570 Quote Tweets 43.4K Likes

Today, my dad cried over the phone, he wanted one week where he could use

Design and develop for people not like yourself and keep that in mind when throwing words like "inclusive" and "accessible" around.



https://cottonbureau.com/products/a11y-is-a-right#/5254640/

Ally is a right. NOT a privilege.



"The power of the Web is in its universality. Access by everyone regardless of disabilities an essential aspect." — Sir Tim Berners Lee

https://www.w3.org/standards/webdesign/accessibility



https://toddl.dev/slides/ @toddlibby on Twitter LinkedIn - 🏹 Todd Libby





Thank you!

