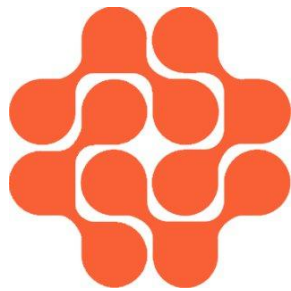
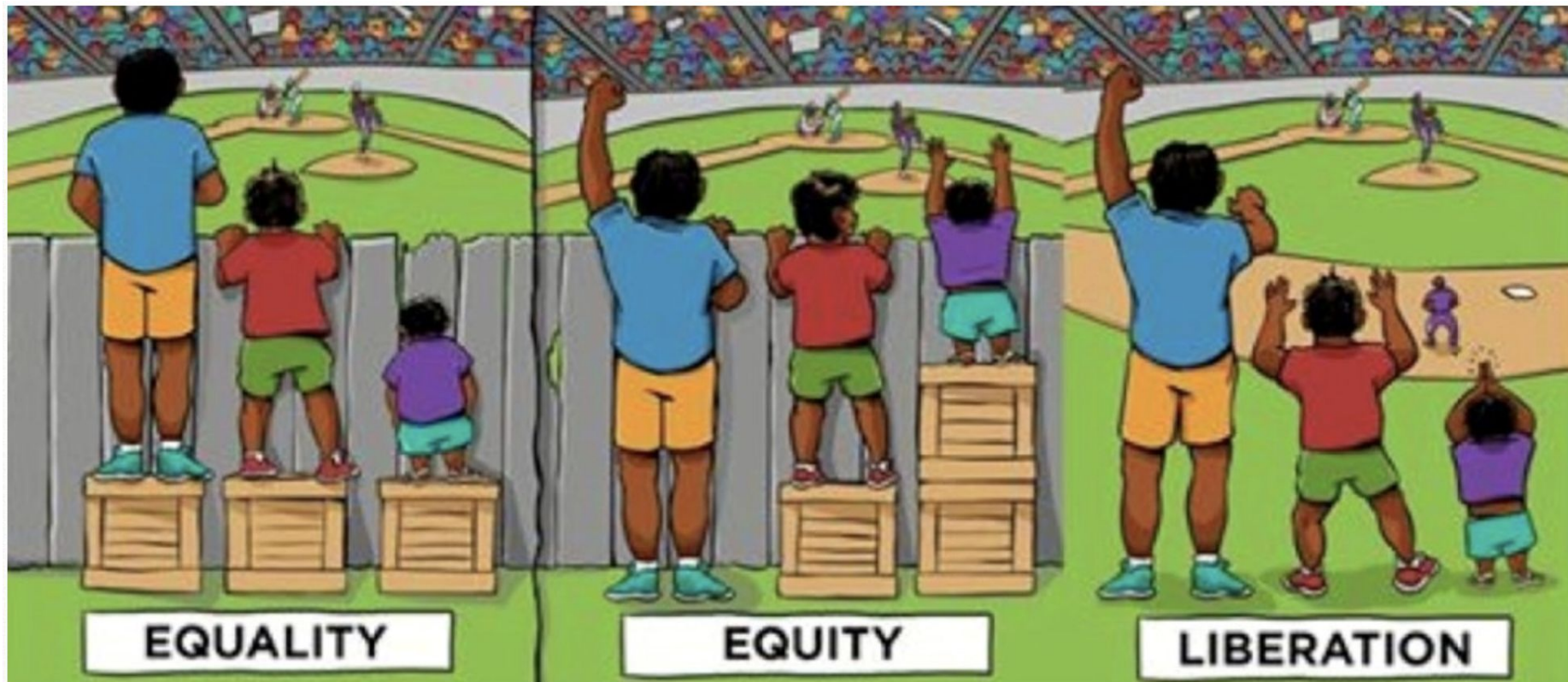




Reaching for AAA



Firstly inclusive design





Permanent



One arm

Temporary















Arm injury

Situational



New parent

Touch

	Permanent	Temporary	Situational
Touch	 One arm	 Arm injury	 New parent
See	 Blind	 Cataract	 Distracted driver
Hear	 Deaf	 Ear infection	 Bartender
Speak	 Non-verbal	 Laryngitis	 Heavy accent

Oxo kitchen gadgets

OXO's cooking tools are a classic example of great design inspired by disability

The cooking tools were created because Founder Sam Farber saw his wife struggle to use a standard peeler given her arthritic condition







The OXO Good Grips Salad Spinner is classic universal design.



When Oxo was getting into salad spinners in the 1990s, the leading models had a yo-yo-style mechanism where you had to pull a string to make the object spin — meaning that you had to hold it down with your other hand to make sure it didn't spin out of control.

So Oxo tried to find a way to make the salad spinner easier to use for everybody.





Why Web Accessibility?

We need to provide equal access and opportunity for all people to ensure they have the knowledge they need to be confident in their lives

Why be Accessible?

To **improve** the lives of people with disabilities

To **capitalise** on a wider audience or consumer base

To **avoid lawsuits** and bad press

Why Web Accessibility?

From 23rd September 2020 it is Law in the UK for all
Public Sector organisations

(it has been law under the UK Equality Act for years actually...)

EU Law



The European standard for technology accessibility in the public sector is known as EN 301 549, and it's an important set of guidelines for all entities to learn. These standards cover a wide range of disabilities and specify a number of barriers that may prevent a person from taking advantage of services. From paying taxes to applying for benefits, **European information and communication technology** (ICT) needs to be available to everyone.¹

US Law



USA

In the United States to support accessibility, there are two main Acts to follow. Title III of the Americans with Disabilities Act (ADA) which prohibits discrimination on the basis of disability. Secondly Section 508 Amendment to the Rehabilitation Act of 1973 which requires all Federal agencies' electronic and information technology to be accessible to those with disabilities.

Section 508 in the US is from what we see referring more to WCAG 2.1 AA now

Accessibility v Open Source

What can we learn from the W3C CMS selection process



Janus Boye

October 9 · 8 min read



The WCAG standard has three levels of conformance: A, AA and AAA

AAA is the highest level of accessibility

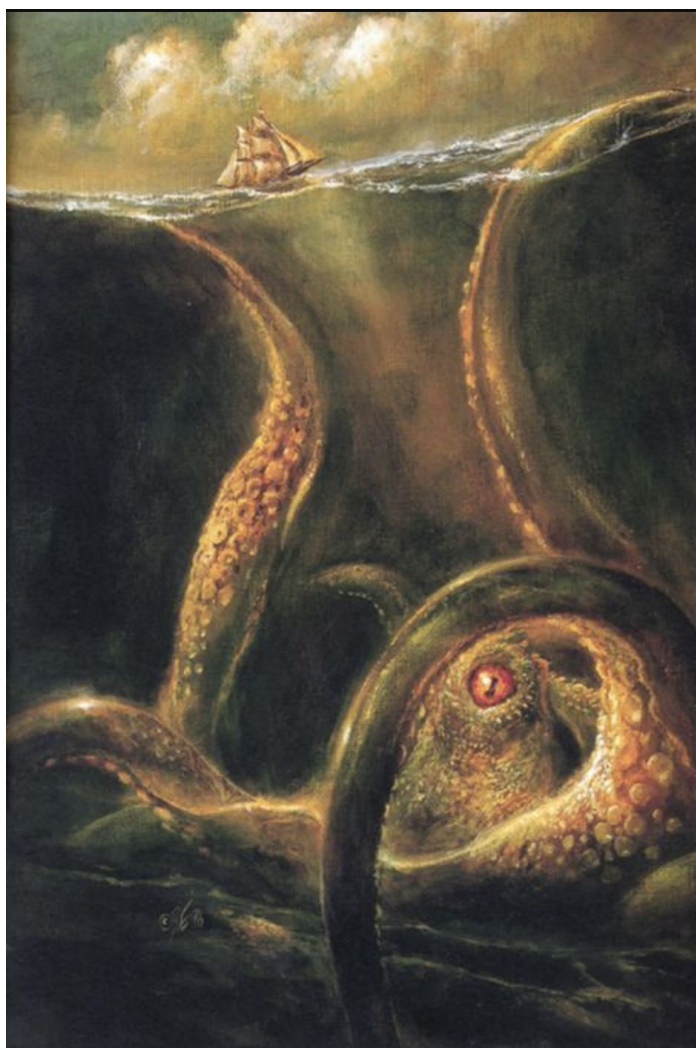
Most organisations ask for AA level compliance

Over a third of the WCAG success criteria are AAA level conformance

The Kraken :)







Little Forest's adventures into AAA

LF: Accessible Palette >



James Mentz <james@tenacityworks.com>
to me ▾

Wed, 12 Aug, 16:35 ☆

Hi Guvs

Turns out accessible brands are hard work! We will need to have an extended palette that works against light and dark.

Had an initial stab here: https://invis.io/XAYEJL4CK5T#/428335446_LF_Palette_exploration_v1-1

Cheers

j.

--

James Mentz

Founder
Tenacity Works





LittleForest[®]



LittleForest[®]

Re: Accessible Color Palette >



James Mentz <james@tenacityworks.com>
to me, Billy ▾

Thu, 13 Aug, 07:47 ☆

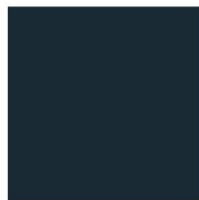
Seriously! First time creating a brand that isn't all about aesthetics.

The brighter yellow, green and orange will have to go!

Initial Palette



AAA Accessible Palette



LittleForest



LittleForest

Logo

Primary wordmark



Icon

Standalone, enclosed line and enclosed solid

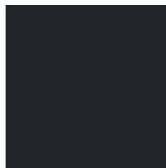


Colors

Primaries, secondaries and grays



LF GREEN
#166713



LF GREY
#212429



LF BLUE
#305D7E



LF RED
#A10404



#212429

#495057

#ACB5BD

#DDE2E5

#F8F9FA

Typography

Roboto set with the perfect-fourth modular type scale

H1

Super-smart accessibility

H2

Super-smart accessibility

H3

Super-smart accessibility

H4

Super-smart accessibility

H5

SUPER-SMART ACCESSIBILITY

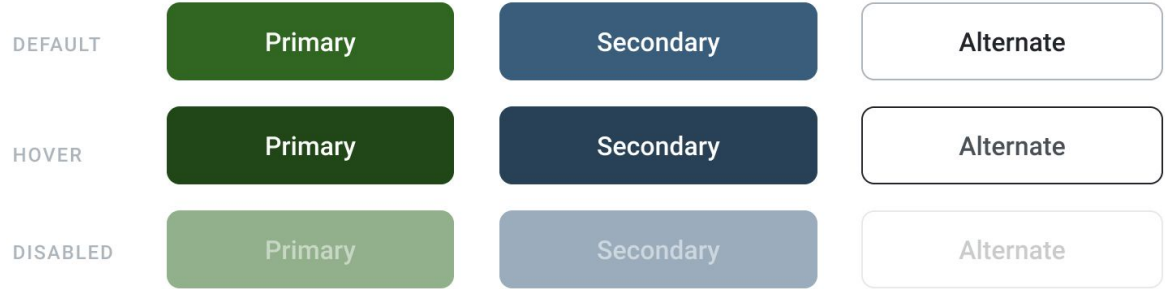
P

Super-smart accessibility

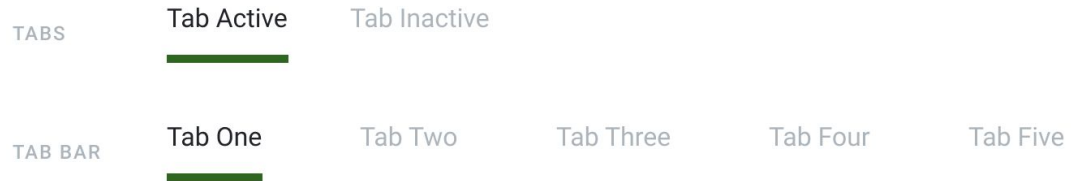
SMALL

Super-smart accessibility

Buttons



Tabs



Forms

LABEL

FOCUS

SUCCESS

ERROR

SELECT

CHECKBOX

 Default Checked Disabled

RADIO BUTTON

 Default Selected Disabled

TOGGLE BUTTON

 Off On Disabled

TOOL TIP



TAGS

1 OF 12 FAVORITE CATEGORY SHARED

Alerts



Error: Error Message



Success: Success Message



Notification: Notification Message



Heading 1

Heading 2

Heading 3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Donec eu felis eu leo ullamcorper cursus ac a lacus. Donec lacinia neque turpis, eget sodales diam sodales.

[Proin ut lectus quis](#)

Proin ut lectus quis



What is the scope of AAA?

The Level AAA guidelines are a mixture of essential elements and rare needs

*What's important is your website is the best it can be for all your users

Design criteria at AAA level

Text and images of text have a **7:1 minimum** contrast ratio

You have **no images with text**

Hyperlinks self-identify their ultimate destination

Section headings are present to break up content

Content criteria at AAA level

Unusual Words - please use glossaries

Abbreviations - provide expanded form of each

Reading Level - ensure someone with 9 years schooling can understand

Pronunciation - help screen readers to pronounce correctly e.g desert (abandon) and desert (arid region)

Meeting the Service Standard

To meet the Service Standard, your service must work with at least the following combinations of assistive technologies and browsers before it goes into public beta.

	Software version	Browser
JAWS (desktop screen reader)	18 or later	Chrome (latest version)
NVDA (desktop screen reader)	Latest	Firefox (latest version)
VoiceOver on iOS (mobile screen reader)	Latest	Safari (version 12 or later)
TalkBack (mobile screen reader)	Latest	Chrome (latest version)
Windows Magnifier or Apple Zoom (screen magnifiers)	Latest	Any
Dragon (speech recognition)	15 or later	Internet Explorer 11

WCAG 2.2 is coming in a couple of weeks
(November 2020) (well actually...)

Focus Indicator - Make sure your focus indicator stands out from the background
(AAA = greater than or equal to a 2 CSS pixel solid border around the control)

Dragging - If a dragging movement is required (think about Sliders) then provide an alternative means such as tapping or clicking

Pointer Target Spacing - make sure that all interactive targets take up 44x44 CSS pixels of space

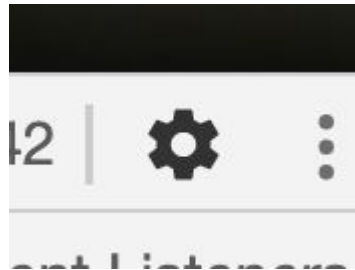
Findable Help, if you provide this make sure it is available consistently and in the same relative space to locate easily

Accessible Authentication - If there is a cognitive test to prove you are human (e.g., Captcha), there needs to be an alternative way to authenticate that does not require a cognitive test (e.g., 2-factor authentication)

Chrome 83 has released a new plugin...

“Emulate Vision Deficiencies” - you can access this via

Right click->Inspect->Settings (far right of the window)



Accessibility Testing for Universities

Settings

Preferences

Workspace

Experiments

Blackboxing

Devices

Throttling

Locations

Shortcuts

Preferences

Bracket matching

Code folding

Show whitespace characters: None

Display variable values inline while debugging

Enable CSS source maps

Allow scrolling past end of file

Default indentation: 4 spaces

Flamechart mouse wheel action: Zoom

High resolution CPU profiling

Show native functions in JS Profile

Hide chrome frame in Layers view

Rendering

Emulate CSS media type No emulation

Emulate CSS media feature prefers-color-scheme

No emulation

Emulate CSS media feature prefers-reduced-motion

No emulation

Emulate vision deficiencies

No emulation

Blurred vision

Protanopia

Deuteranopia

Tritanopia

Debugger

Disable JavaScript

Automated Testing

☰ Accessibility Dashboard

Edinburgh First

Export

Run

Notices

28

(54,535)

Warnings

23

(10,166)

Errors

25

(11,303)

Sites

7

Pages

586

Site	Notices	Warnings	Errors	Pages	Pages scanned	Pages to scan	
Accomodation	27 (26,568)	15 (2,622)	17 (6,963)	230	227	3	View Site Settings
Edinburgh First	27 (22,318)	18 (5,891)	15 (2,669)	256	256	0	View Site Settings
Arcadia Nursey	27 (2,342)	15 (935)	16 (803)	30	30	0	View Site Settings
Conference	26 (1,418)	14 (331)	8 (427)	18	18	0	View Site Settings
Domus	25 (1,403)	15 (325)	14 (381)	40	40	0	View Site Settings
Accomodation booking	26 (288)	9 (44)	10 (36)	6	6	0	View Site Settings
Internal accomodation booking	24 (198)	5 (18)	8 (24)	6	6	0	View Site Settings

In building your business case for Accessibility
consider...

1. It is the right thing to do
2. It is the law
3. It will improve all our customers experiences

In the UK we are seeing many
Equality, Diversity and Inclusion (EDI) officers

enthusiastically taking ownership of Accessibility...


Is there someone to talk with in your organisation?

Reaching level AAA conformance is not impossible, however there are some challenges and decisions that organisations must take

In taking these decisions and gaining a high level of accessibility, we allow **all users** to access, understand and operate **all areas** of the website

In the same way that Sam Farber from Oxo built products to help his wife

Let's all aim for the highest standard for our organisation's websites to help all of our customers

A night sky filled with stars and the Milky Way galaxy. In the foreground, there is a silhouette of a street lamp on the right and trees and buildings on the left. The text is centered in the sky.

"Aim for the stars and
maybe you'll reach the sky"

Question

What are you planning in the Web Accessibility area for your organisation?

Thank you



[Edit profile](#)

Gavin Colborne

@gavincolborne

Managing Director of Little Forest [@thelittleforest](#) providing Digital Governance and Accessibility Reporting for large web estates.

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