



Beyond Compliance: Testing for a more Accessible Web

Agenda

Digital Accessibility 101

Making a Case for Web Accessibility

Most Common Issues & How to find them 🐉

Accessibility Testing & Tooling

Cultural Shift

Lot's of cat memes 🐱



Guten Tag 🙌

CPACC, Accessibility Engineer

GDE Web Tech, WTM & GirlCode Ambassador

Podcast Host | As Any 🎙️

Aerial Dance Teacher & Cat Mom

Always Curious.



Introverted? Me too. 🙊

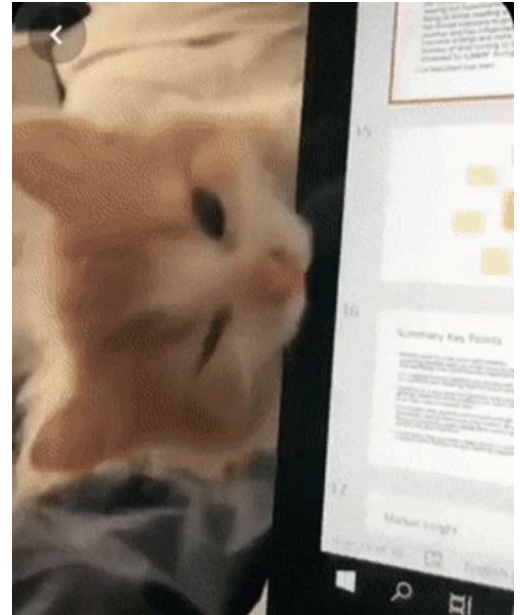
Ask your questions in the end or get in touch:

TWITTER
LINKEDIN

@Jsfnschfr
Josefine Schaefer

MAIL

schaeferj@hotmail.de



Web Accessibility - What is our goal?

Comply with **Web Standards**.

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→ WCAG 2.2 AA ←

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~~Eliminate~~ Reduce barriers 🚧

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~~Eliminate~~ Reduce barriers 🚧

Not create new ones...

There are many good reasons to care about Web Accessibility.

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Unfortunately, that usually isn't enough.







“Access to information and communications technologies, including the Web, is defined as a basic human right.”







— UN Convention on the Rights of Persons with Disabilities

So what *really* convinces people to care about Web Accessibility?

Money.



	Permanent	Temporary	Situational
Touch			
	One arm	Arm injury	New parent
See			
	Blind	Cataract	Distracted driver

	Permanent	Temporary	Situational
Hear			
	Deaf	Ear infection	Bartender
Speak			
	Non-verbal	Laryngitis	Heavy accent

from the
Inclusive
toolkit
manual by
 Microsoft

Web Accessibility means more customers.



15% of the global population

are experiencing a form of disability during their lifetime.

Web Accessibility means more customers.

.... so you might want to start collecting data on lost opportunities.



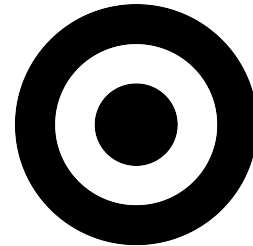
Web Accessibility is regulated.



NETFLIX



BEYONCÉ



TARGET



They got sued due to
Accessibility violations.

Web Accessibility is regulated.

Section 508 

Americans with Disabilities Act (ADA) 

Accessible Canada Act 

Accessibility for Ontarians with Disabilities Act (AODA) 

Equality Act 

Norwegian Anti-Discrimination and Accessibility Act 



European Accessibility Act

Landmark EU law to make everyday products & services accessible.

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Applicable to **banking, communication devices, e-commerce & transportation services** [...]

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Implementation & penalties are **similar across EU states**.

European Accessibility Act

EN 301 549: Accessibility Requirements for ICT products & services (European norm for digital accessibility)

**June 28th,
2025**



**So what can we
do?**

Most Common Issues according to WebAIM

Insufficient Color Contrast | **83.6%**

Missing Alternative Text | **58.2%**

Missing Form Input Labels | **45.9%**

Empty Links & Buttons | **50.1% / 27.5%**

Missing Document Language | **18.6%**

Actually, only

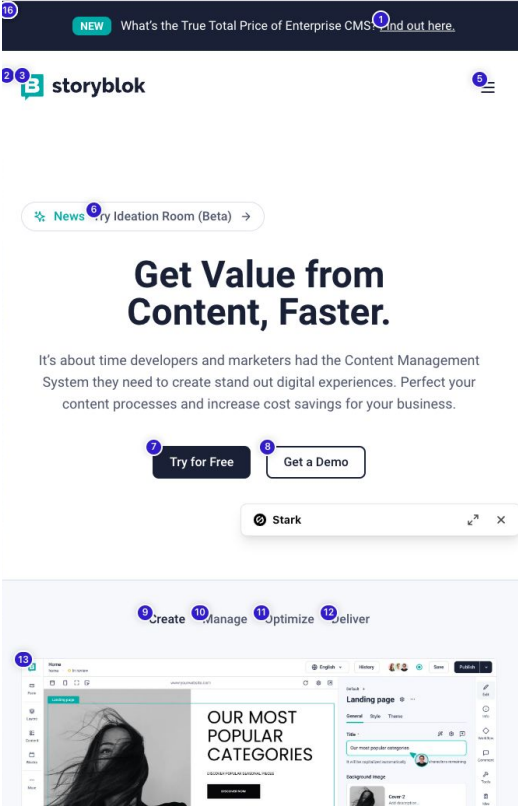
**3% of web
pages are
accessible.**

Accessibility Testing in Practise



Accessibility Testing

Keyboard Accessibility & Navigation



Accessibility Testing

Keyboard Accessibility & Navigation

Visualize Tab Order

Logical Tab Flow

Try user Journey Manually

Focus Order | Chrome

 storyblok



 News Try Ideation Room (Beta) →

1

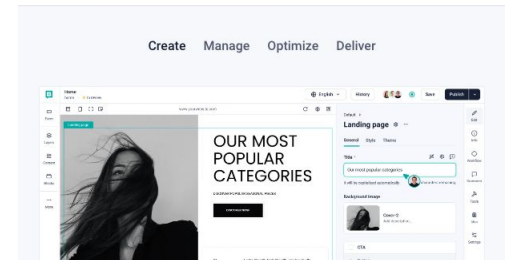
Get Value from Content, Faster.

It's about time developers and marketers had the Content Management System they need to create stand out digital experiences. Perfect your content processes and increase cost savings for your business.

2

Try for Free

Get a Demo



Accessibility Testing

Keyboard Accessibility & Navigation

Visualize Tab Order

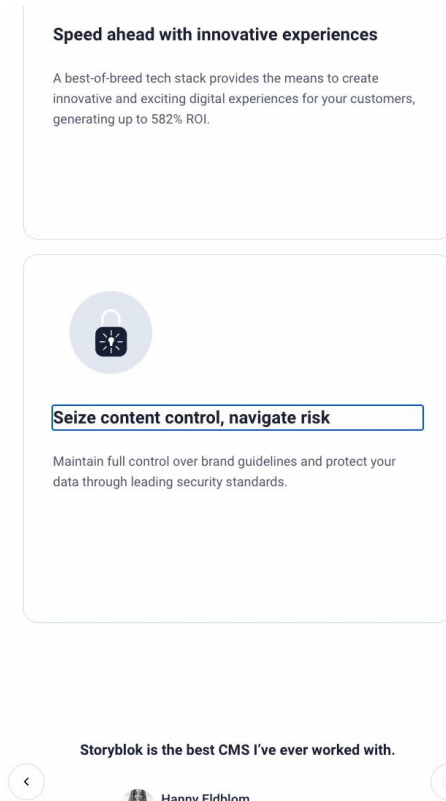
Logical Tab Flow

Try user Journey Manually

Check Focus Visibility

Check for Focus Traps

Check Hover Functionality



Accessibility Testing

Color Contrast

storyblok Platform Solutions Developers Partners Resources Pricing Login Contact Us Try for Free

News Try Ideation Room (Beta)

Get Value from Content, Faster.

It's about time developers and marketers had the Content Management System they need to create stand out digital experiences. Perfect your content processes and increase cost savings for your business.

Try for Free Get a Demo

Colour contrast checker

Background colour: #00b3b0

Foreground colour: #ffffff

Score: **2.60**

AA Large: Fail x AAA Large: Fail x AA Normal: Fail x AAA Normal: Fail x

RGB HSL My colours

Red 0 Red 255

Green 179 Green 255

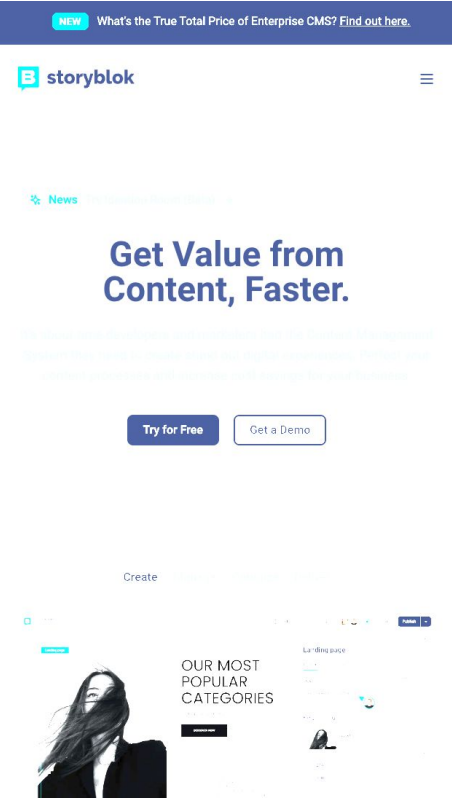
Blue 176 Blue 255

Accessibility Testing

Color Contrast

Use Color Contrast Checker

Visual Simulator



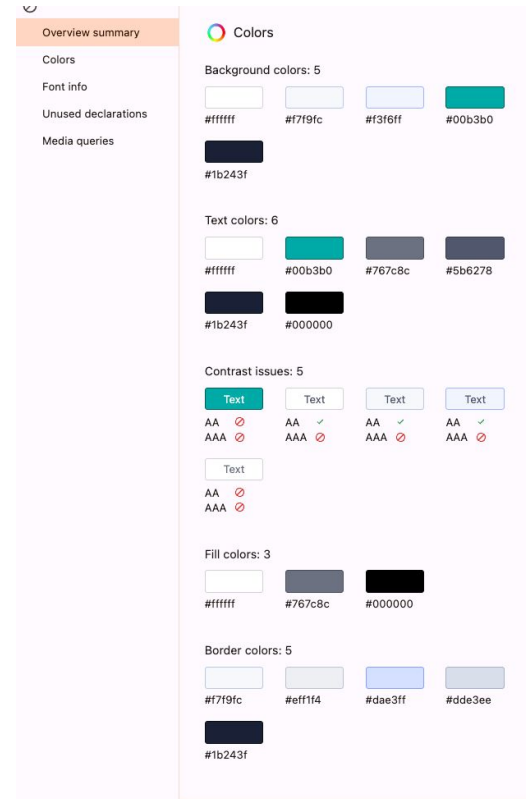
Accessibility Testing

Color Contrast

Use Color Contrast Checker

Visual Simulator

Check and Define Color Combination & Usage



Accessibility Testing

Screen Reader Testing

VoiceOver (Mac)

Narrator (Windows)

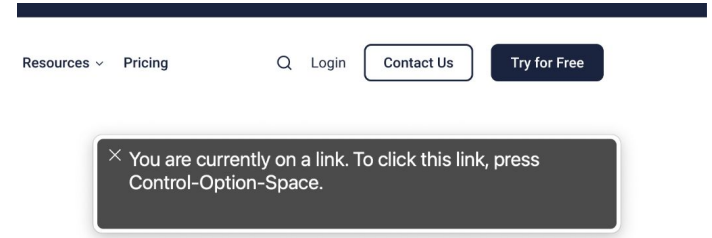
Jaws

NVDA

TalkBack

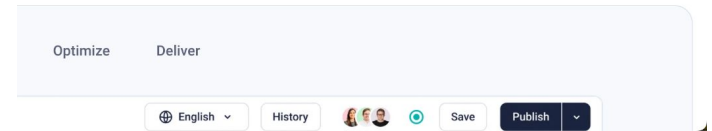
[...]

Screen Reader Testing



itent, Faster.

n they need to create stand out digital
r business.



Accessibility Testing

Semantic HTML

Manual Inspection

News Try Ideation Room (Beta) →

Get Value from Fast

a_button_12d3b_2_button-primary_12d3b_1 126.37 x 42

Color #FFFFFF

Font 16px Roboto, sans-serif

Background #1B243F

Padding 7px 20px

ACCESSIBILITY

Contrast **Aa** 15.32

Name Try for Free

Role link

Keyboard-focusable

Try for Free

Get a Demo

ers had the Co
Perfect your co

Accessibility Testing

Semantic HTML

Manual Inspection

HTML Validation

Semantic HTML

Nu Html Checker

This tool is an ongoing experiment in better HTML checking, and its behavior remains subject to change

Showing results for <https://www.storyblok.com/>

Checker Input

Show source outline image report

Options...

Check by address

Use the Message Filtering button below to hide/show particular messages, and to see total counts of errors and warnings.

[Message Filtering](#)

- Error** CSS: `box-shadow: #000` is not a valid color 3 or 6 hexadecimal numbers.

At line 17, column 1058

```
x rgba(#000, .08); box-sizing: bo
```
- Error** CSS: `box-shadow: #000` is not a valid color 3 or 6 hexadecimal numbers.

At line 17, column 1343

```
x rgba(#000, .25); color: var(--w
```
- Error** CSS: `box-shadow: #000` is not a valid color 3 or 6 hexadecimal numbers.

At line 17, column 2894

```
px rgba(#000, .2); padding: 6px 1
```


Accessibility Testing

Automated Audits

axeDev Tools

Chrome Lighthouse

Automated Audits

The screenshot shows the DevTools accessibility testing interface. At the top, it says 'DevTools axe-core 4.10.0' with 'Sign up / Sign in' and 'start new scan' buttons. The 'Overview' tab is active, showing 'Test Name' and 'Test URL' (https://www.storyblok.com/). Below this is a summary of 'TOTAL ISSUES' with a large '52' in a box. A breakdown shows: Automatic Issues (52), Guided Issues (0), Manual Issues (0), Critical (0), Serious (52), Moderate (0), and Minor (0). There are buttons for 'Best Practices: 0/0', 'WCAG 2.1 AA', and 'Export'. The 'Total Issues: 52' section is expanded to show a specific issue: 'Elements must meet minimum color contrast ratio thresholds' (52). Below this, there are 'Highlight' and 'Share Issue' buttons, and a counter '1 of 52'. The issue description states: 'Ensure the contrast between foreground and background colors meets WCAG 2 AA minimum contrast ratio thresholds'. It includes a 'more information' link and the 'Element Location: _skipLink_1gn2g_267'. The HTML snippet is: `Skip to main content`. A solution box explains: 'To solve this problem, you need to fix the following: Element has insufficient color contrast of 2.6 (foreground color: #ffffff, background color: #0083b0, font size: 12.0pt (16px), font weight: normal). Expected contrast ratio of 4.5:1'. The 'Related Node' section shows the same HTML snippet.

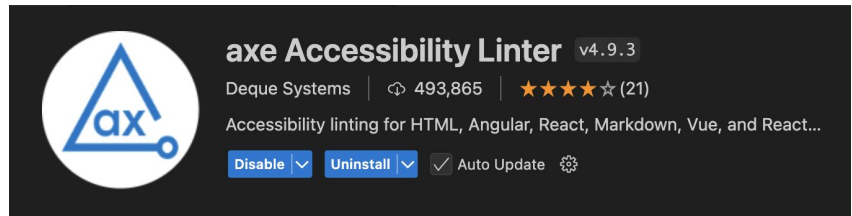
Accessibility Testing

Automated Audits

axeDev Tools

Chrome Lighthouse

Linters & Automated Tests



Where to get started?

Accessibility right from the start.

Accessibility Audit.

Define Goals & Resources

Quick wins & Low hanging Fruit

Most common user journey.

Takeaways & Resources

Digital Accessibility concerns all of us.

Small steps, one step at a time.

Consider your users & their needs.



<https://linktr.ee/josefinesch>