

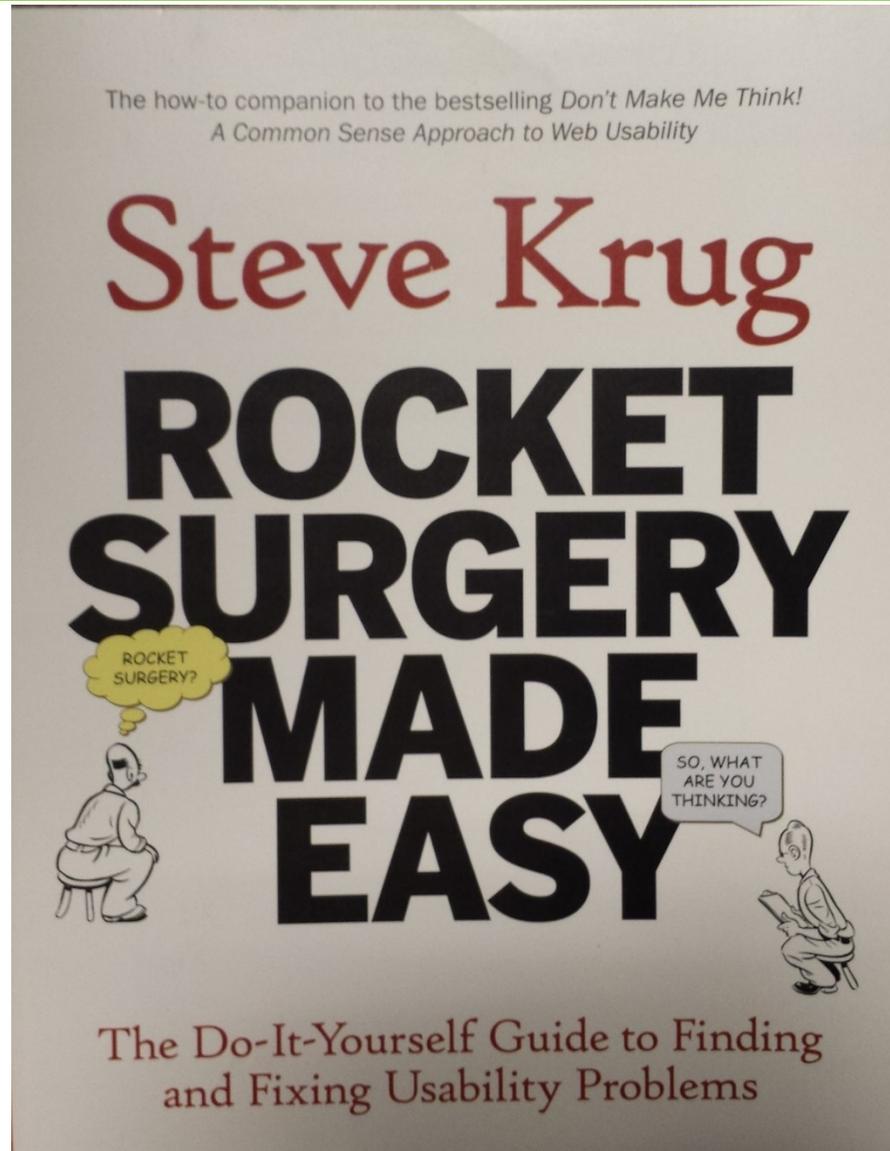


# Accessibility as Sustainable Design

Jay Wyant | Chief Information Accessibility Officer

November 10, 2016

# Speaking metaphorically



# What is accessibility?



# What is usability?



# What does it mean to be “sustainable”?



Accessibility makes you popular



Accessibility makes you smart



Are there rules?



- Perceivable
- Operable
- Understandable
- Robust

## How to Meet WCAG 2.0

A customizable quick reference to Web Content Accessibility Guidelines (WCAG) 2.0 requirements (success criteria) and techniques. [Show About, How to Use & Preferences](#)



The [previous version of this tool](#) is available through September 2016.

Selected Filters: all success criteria and all techniques. [Clear filters](#) [Expand all sections](#) [Share](#)

### 1. Perceivable

- 1.1 Text Alternatives
  - 1.1.1 Non-text Content
- 1.2 Time-based Media
  - 1.2.1 Audio-only and Video-only (Prerecorded)
  - 1.2.2 Captions (Prerecorded)
  - 1.2.3 Audio Description or Media Alternative (Prerecorded)
  - 1.2.4 Captions (Live)
  - 1.2.5 Audio Description (Prerecorded)
  - 1.2.6 Sign Language (Prerecorded)
  - 1.2.7 Extended Audio Description (Prerecorded)
  - 1.2.8 Media Alternative (Prerecorded)
  - 1.2.9 Audio-only (Live)
- 1.3 Adaptable
  - 1.3.1 Info and Relationships
  - 1.3.2 Meaningful Sequence
  - 1.3.3 Sensory Characteristics
- 1.4 Distinguishable
  - 1.4.1 Use of Color
  - 1.4.2 Audio Control
  - 1.4.3 Contrast (Minimum)
  - 1.4.4 Resize text
  - 1.4.5 Images of Text

## Principle 1 – Perceivable

Information and user interface components must be presentable to users in ways they can perceive.

### Guideline 1.1 – Text Alternatives

Provide text alternatives for any non-text content so that it can be changed into other forms people need, such as large print, braille, speech, symbols or simpler language.

[Show techniques and failures for 1.1](#)

#### 1.1.1 Non-text Content — Level A

All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below. [Show full description](#)

[Show techniques and failures for 1.1.1](#)

[Understanding 1.1.1](#)

[SHARE](#) | [BACK TO TOP](#)

### Guideline 1.2 – Time-based Media

Provide alternatives for time-based media.

#### 1.2.1 Audio-only and Video-only (Prerecorded) — Level A

For prerecorded audio-only and prerecorded video-only media, the following are true, except when the audio or video is a media alternative for text and is clearly labeled as such:

[Understanding 1.2.1](#)

More Detail



# Personas and Profiles



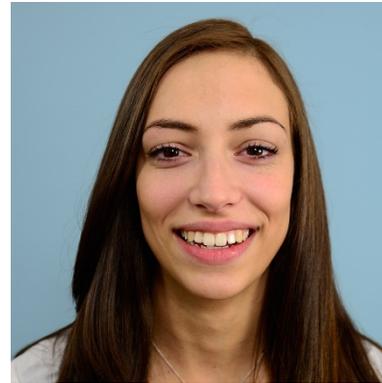
Jenna: Deaf/Hard of Hearing



Tom: Blind/Low Vision



Steve: Reading Disability



Emily: Mobility Challenge  
(Tremors)

# Are you in a hurry?

The screenshot shows the homepage of the Minnesota Judicial Branch website. At the top left is the logo and name "MINNESOTA JUDICIAL BRANCH". At the top right is the text "Historic Washington County Courthouse, Stillwater, 1869". Below the header is a search bar for "Find Your Court:" with options "BY ZIP CODE OR BY COUNTY", a dropdown menu showing "Aitkin", and a "GO" button. The main content area is divided into several sections: "Home" with a list of links (About the Courts, Supreme Court, Court of Appeals, Clerk of Appellate Courts, District Courts, Programs and Services, State Court Administration, Judicial Council, Lawyer & Judge Regulation) and a button for "Online Lawyer Registration"; "Attorneys and Government Agencies- eFile and eServe Now in 11 District Courts" with a sub-header about eFiling and eService; "Need to go to court?" with a link to "Going to Court in Minnesota" and "Self-Help Videos"; "Representing yourself in court?" with a link to the "Self-Help Center" and topics like Divorce, Custody, Child Support, Conciliation Court (small claims), Laws, Rules, Legal Research, and much more; "Need legal advice?" with a link to "Legal Advice Clinics Offered at Courthouses Throughout Minnesota"; "News & Announcements" with "Headlines" (Supreme Court seeks public comment on proposed amendments to Court Rules, Hennepin Judges Wed 23 Couples for Free on Valentine's Eve) and "Public Notices" (UPDATE: The Minnesota Supreme Court is Seeking Lawyers and Non-Lawyers to Serve as Members of the Commission on Judicial Selection, Fifth Judicial District Administration seeks a Law Enforcement Outreach Specialist); "This Week's Opinions" with links to Minnesota Supreme Court and Minnesota Court of Appeals; and "Resources" (ADA Requests, Directory Lookup, Data Requests, Publications and Reports For Teachers & Students For Media, For Justice Agencies) and "Contact Us" (Email Updates). An RSS icon is also present.

**MINNESOTA JUDICIAL BRANCH**

Historic Washington County Courthouse, Stillwater, 1869

Find Your Court: BY ZIP CODE OR BY COUNTY

Aitkin GO

**Home**

- About the Courts
- Supreme Court
- Court of Appeals
- Clerk of Appellate Courts
- District Courts
- Programs and Services
- State Court Administration
- Judicial Council
- Lawyer & Judge Regulation

**Online Lawyer Registration**

Jury Service  
Legal Terms  
Court Rules  
Law Libraries  
Court Forms  
Fees

**Resources**

- ADA Requests
- Directory Lookup
- Data Requests
- Publications and Reports For Teachers & Students For Media For Justice Agencies

**Contact Us**

**Email Updates**

**eCourtMN**  
Minnesota Judicial Branch

**Attorneys and Government Agencies- eFile and eServe Now in 11 District Courts**

eFiling and eService are part of the Judicial Branch's [eCourtMN initiative](#) to move from paper to electronic case records.

**Need to go to court?** Visit the "[Going to Court in Minnesota](#)" link in the [Self-Help Videos](#) section under "Other" for videos that help you understand the role of courts and how to prepare if you need to go to court. Videos are available in English, Hmong, Somali, and Spanish, and also in a version for those who are deaf or hard of hearing.

**Representing yourself in court?** Visit the [Self-Help Center](#) to learn about topics such as [Divorce](#), [Custody](#), [Child Support](#), [Conciliation Court \(small claims\)](#), [Laws](#), [Rules](#), [Legal Research](#), and [much more](#).

**Need legal advice?** [Legal Advice Clinics Offered at Courthouses Throughout Minnesota](#).

**New: E-mail Scam Reported**

[Read the public notice](#)

**The Judicial Branch is implementing an ambitious reform agenda involving the use of technology and the re-engineering of business practices in a system-wide effort to expand services and ensure access to justice.**

[Read more](#)

**News & Announcements**

**Headlines**

- [Supreme Court seeks public comment on proposed amendments to Court Rules](#)
- [Hennepin Judges Wed 23 Couples for Free on Valentine's Eve](#)  
> [See more headlines...](#)

**Public Notices**

- [UPDATE: The Minnesota Supreme Court is Seeking Lawyers and Non-Lawyers to Serve as Members of the Commission on Judicial Selection](#)
- [Fifth Judicial District Administration seeks a Law Enforcement Outreach Specialist](#)  
> [See more public notices...](#)

**This Week's Opinions**

- [Minnesota Supreme Court](#)
- [Minnesota Court of Appeals](#)  
> [Find Archived Opinions...](#)

[Stay Current: Subscribe Today!](#)

# Keyboard





Get your [Minnesota Lynx tickets!](#)

## Take our Poll!

- Do popups create greater user engagement?
- Or do they annoy your intended audience?

Is there a difference between a radio button and a check box?

How many answers do you want?

# Visuals that work

- Attract attention
- Meaningful communication
- Pair with text (real text and alt text)

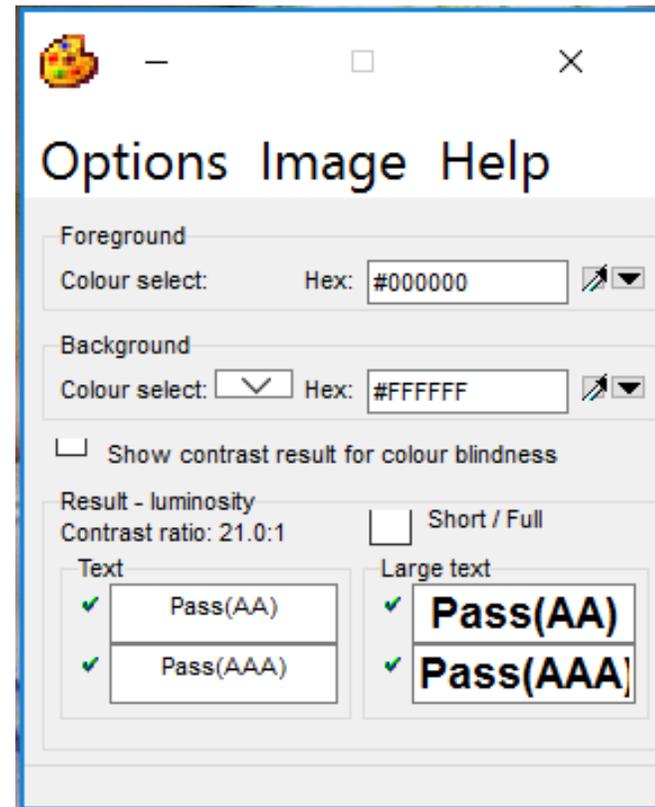


**a real treat**  
save \$5 when you spend \$30  
on everything for Halloween\*

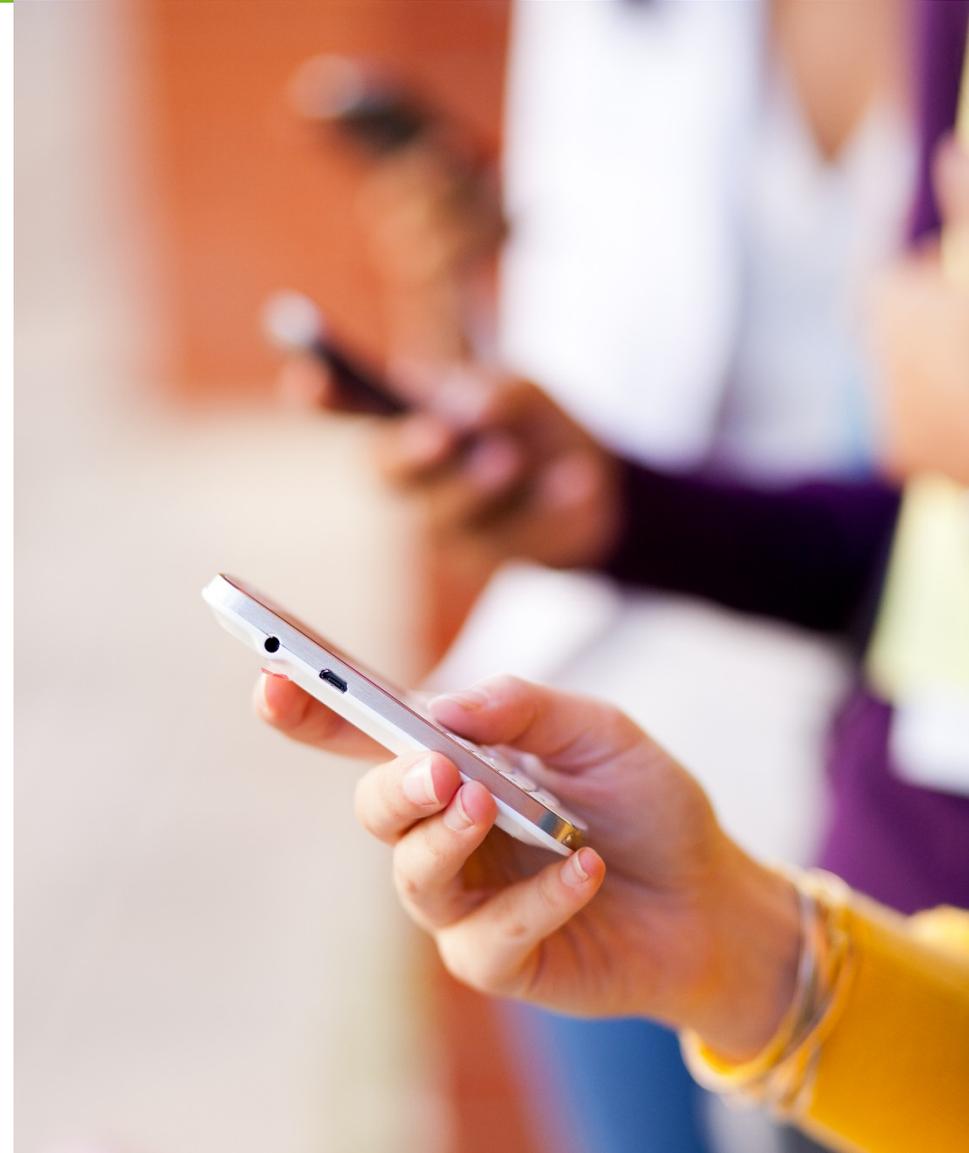
shop now

# Other visual issues

- Color contrast
- Color and meaning
- Visual focus



- Are mobile users a different class than desktop users?
- (this is a question to explore – not a statement)



# Leveraging mobile

- Accessibility APIs
- Visible focus
- Color
- Size and readability
- Zoom
- Actionable elements
- ...and more!



- Focus on design and code “should” be sufficient
- Testing with AT may reveal unexpected behaviors

- Our website: [mn.gov/mnit/accessibility](https://mn.gov/mnit/accessibility)
- [WebAIM.org](https://www.webaim.org)
- WCAG Quickref: [w3.org/WAI/WCAG20/quickref/](https://www.w3.org/WAI/WCAG20/quickref/)

# Thank you!

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