The Americans with Disabilities Act (ADA) and Web Sites: What is Required?

WebAIM.org

Listening to the Webinar

- The audio for today’s webinar is being broadcast through your computer. Please make sure your speakers are turned on or your headphones are plugged in.
- You can control the audio broadcast via the Audio & Video panel. You can adjust the sound by “sliding” the sound bar left or right.
- If you are having sound quality problems check your audio controls by going through the Audio Wizard which is accessed by selecting the microphone icon on the Audio & Video panel.

Listening to the Webinar by Mobile

- Individuals may listen** to the session using the Blackboard Collaborate Mobile App (available free from the Apple Store, Google Play or Amazon) iPhone, iPad, or Android (excluding Kindle Fire HD)

** Blackboard Collaborate Mobile App does not display Closed Captioning, has limited accessibility for screen reader and Voiceover users, and will not show the “Web Tour” portion of today’s program.
Captioning

- Real-time captioning is provided during this webinar.
- The caption screen can be accessed by choosing the "CC" icon in the Audio & Video panel.
- Once selected you will have the option to resize the captioning window, change the font size and save the transcript.

Submitting Questions

- If you are listening by phone you will be instructed by the Operator on how to ask a question.
- Webinar participants may type and submit questions in the Chat Area Text Box or press Control + M and enter text in the Chat Area. You will not be able to see the question after you submit it but it will be viewable by the presenters.
- If you are connected via a mobile device you may submit questions in the chat area within the App.
- Questions may also be emailed to webinars@ada-audio.org

Please note: This webinar is being recorded and can be accessed on the ADA Audio Conference Series website at www.ada-audio.org within 24 hours after the conclusion of the session. The edited written transcript will be posted at this same site within 7 business days following the conclusion of the session.

Customize Your View

Resize the whiteboard where the presentation slides are shown to make it smaller or larger, by choosing from the drop down menu located above and to the left of the whiteboard. The default is "Fit page."
Customize Your View, continued

- Resize/Reposition the Chat, Participant and Audio & Video panels by "detaching" and using your mouse to reposition or "stretch/shrink".
- Each panel may be detached using the icon in the upper right corner of each panel.

The Americans with Disabilities Act (ADA) and Web Sites: What is Required?

WebAIM.org

8.5% of the population has a disability that affects computer use

...does not include those with cognitive/learning disabilities, color blindness, etc.
is blind

...and deaf

...and can’t use a mouse

Do you use a form of assistive technology?
WCAG 2

- Principles based
  - Perceivable
  - Operable
  - Understandable
  - Robust

- Principles (POUR) > Guidelines > Success Criteria
- Success Criteria are assigned levels – A, AA, or AAA
- WCAG 2.0 finalized in 2008
- WCAG 2.1 finalized June 2018.
Your site can be compliant, yet inaccessible

Your site can be technically accessible, yet functionally inaccessible

Accessibility > Compliance
Section 508

- Applies to federal government.
- Agencies may require compliance for recipients of federal funds.
- Many states have adopted Section 508 guidelines as state law
- Updated January 2018 to incorporate WCAG 2.0 A/AA
- VPAT – Voluntary Product Accessibility Template

Americans with Disabilities Act

- Pre-dates the web
- Title I – Employment
- Title II - State and local governments
  - Including education
- Title III - Public and commercial facilities
  - “Places of public accommodation”

What is required?

Don’t discriminate based on disability!
Americans with Disabilities Act

- Does not define technical standards for web accessibility
- Lawsuits, complaints, and DOJ settlements require WCAG 2.0 A/AA
- Are starting to shift to WCAG 2.1 A/AA

ADA Compliant?

Legal Requirements – WCAG 2.1

- California GC § 11546.7
  - State agencies and entities
  - WCAG 2.0 "or a subsequent version"
  - July 2019
- European Union EN 301 549
  - New websites: September 2019
  - All websites: September 2020
Minimizing Risk

- Ensure your content is accessible
- Have a policy and implementation plan in place
  - Samples at ncdae.org/goals
- Address automatically detectable errors

Auditory Disabilities

1. Provide captions for video & live audio.
2. Provide text transcripts for all audio content.
Transcription Methods

• Typing
• Stenographer or "Shadow Speaker"
• Automated captioning

What are additional benefits of captions and transcripts?
Inverted and High Contrast

WCAG Contrast Formula

\[ \frac{(L_1 + 0.05)}{(L_2 + 0.05)} \]

where

\[ L = 0.2126 \times R + 0.7152 \times G + 0.0722 \times B \]

where

\[ R, G, \text{ and } B = \]

where

\[ R_{\text{RGB}} \leq 0.03928 \text{ then } R = \frac{R_{\text{RGB}}}{12.92} \]

else \[ R = \left( \frac{R_{\text{RGB}}+0.055}{1.055} \right)^2 \times 2.4 \]

where

\[ R_{\text{RGB}} \leq R_{\text{RGB}}/255 \]
Level AA Contrast Examples

**4.5:1**
- Gray (#767676) on White
- Purple (#CC21CC) on White
- Red (#F30000) on Yellow (#FFFF00) [BOLD: ≥14pt (18.67px)]

**3:1**
- "Large" text ≥18pt (24px)

WebAIM Contrast Checker

[webaim.org/resources/contrastchecker/](http://webaim.org/resources/contrastchecker/)

WCAG 2.1: Non-text Contrast

- Level AA
- 3:1 contrast of:
  - User Interface Components
    - Including states (keyboard focus indicators, hover states, etc.)
  - Graphical Objects
    - Images, icons, etc.

☐ I have read and agree to the [Terms of Use](http://Terms of Use)
Color Reliance
The green mushrooms listed here are okay to eat. The red mushrooms will kill you.

- Amanita
- Chanterelle
- Porcini
- Shiitake
- Tylopilus

Screen Reader Users
- Not all screen reader users are completely blind.
- Most have low vision.
- 45% of respondents to our low-vision survey use a screen reader.
- Some users have a reading or cognitive disability.
Structure and Semantics

- Provide proper alternative text for images
- Use headings appropriately
- Define page regions (header, footer, main content, navigation, etc.)

Operable

- Ensure functionality is available via the keyboard
- Make keyboard accessibility efficient
- Ensure keyboard users can see where they are at within the page – provide focus indicators/outlines
Operable

- Provide meaningful link text (avoid “click here”, “more”, etc.)
- Provide a “skip” link to facilitate keyboard navigation

Understandable

- Consider reading level and legibility. Use good design.
- Simplify and be consistent
- Avoid animation, carousels, and auto-playing video
- Conduct usability testing with users with disabilities
"For people without disabilities, technology makes things convenient, whereas for people with disabilities, it makes things possible."
- Judy Hueman

Thank You!

http://webaim.org

- E-mail discussion list
- Monthly newsletter
- Tutorials, articles, and resources
- Blog

ADA National Network
Information, Guidance and Training on the American with Disabilities Act

Next Webinar
April 16, 2019
Ask the EEOC: Open Question and Answer
www.ada-audio.org
877-232-1990