

Welcome to the Accessible Technology Webinar Series

The Accessible Technology Webinar Series is sponsored by the Great Lakes ADA Center and the Pacific ADA Center, both members of the ADA National Network.

The Session is Scheduled to begin at 1:00 pm CT
We will be testing sound quality periodically

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Webinar Features

- Closed captioning – click **CC** icon (top of screen) or control-F8 and adjust your screen
- Questions - type and submit questions in the Chat Area Text box or press control-M and enter text in the Chat Area
- Please do not use emoticons or hand-raising features during this session

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WAVE Web Accessibility Evaluation Tool



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WAVE is a web accessibility evaluation tool

WAVE is and always will be provided freely as a community service by WebAIM



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No automated tool can tell you if your site is accessible!

Human checks are always necessary

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... but WAVE does a pretty good job of telling you if your site is INACCESSIBLE







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WAVE facilitates human evaluation

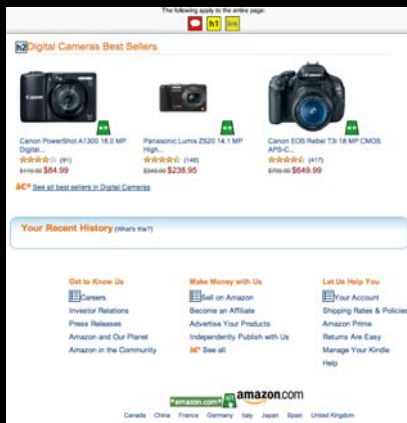
- WAVE shows your original page, with embedded **icons** and **indicators**
- WAVE reveals the underlying accessibility **problems** and **features**
- WAVE requires a **basic** understanding of accessibility... but it also **teaches** you along the way

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WAVE icons

-  **Errors:** Red is bad! If you see red, there is almost certainly an accessibility issue.
-  **Alerts:** Yellow icons are things you should look at because they may cause accessibility or usability issues. Most yellow icons indicate likely issues.
-  **Features:** Green icons are probably good. They are accessibility features, but you must determine if they are implemented appropriately.
-  **Structural elements:** Blue icons reveal the underlying structure and meaning of the web page.
-  **HTML5/ARIA:** Purple icons are HTML5 structural elements or ARIA roles, states, or properties.
-  **Contrast:** Identifies contrast issues to WCAG 2.0 Level AA guidelines.

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How does WAVE work?

1. Submit a web page address.
2. WAVE server downloads content and a custom version of Firefox renders page with CSS applied.
3. The virtual page/DOM is checked against WAVE rules.
4. The original page is loaded.
5. Icon and report data loaded.
6. WAVE icons and descriptions are inserted into the original page and interface.

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How does the WAVE toolbar work?

- Evaluates the document 'live' in your browser, allowing any web page to be evaluated.
- Evaluates the current DOM state - after CSS and scripting have been applied.
- No data is sent to WebAIM.
- The toolbar is much faster.



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WAVE5 Disclaimers

- It is in beta.
- New features and performance enhancements are coming soon.
- Please provide feedback on bugs or feature requests.
- Will replace the existing version of WAVE soon.
- It requires JavaScript. See <http://webaim.org/blog/javascript-as-an-accessibility-concern/>
- WAVE5 toolbars are in development.

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WAVE5 Rules/Icons Updates

- Over 20 rules/icons removed
 - Most had little or no impact on accessibility
 - Some cluttered the report
 - Some were combined into new rules.

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WAVE5 Rules/Icons Updates

- 20+ new rules/icons
 - 🗨 Document language missing
 - 📄 Missing <h1> and 📄 No heading structure
 - 🔗 Redundant link
 - 📄 Possible table caption
 - 👤 Missing focus indicator
 - 👤 Empty button and 👤 Empty link
 - HTML5 structural and media elements - 📄 📄 📄 📄
 - ARIA - 📄 📄 📄 📄

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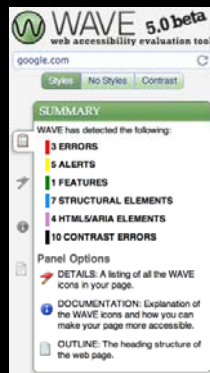
WAVE5 Demo

<http://five.wave.webaim.org/>

Please play nicely!

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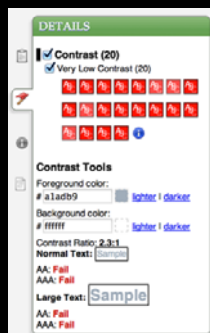
WAVE5 Sidebar



Details Panel



Details Panel - Contrast tools



Documentation Panel

DOCUMENTATION

ERROR
Linked image missing alternative text

What It Means
An image without alternative text results in an empty link.

Why It Matters
Images that are the only thing within a link must have descriptive alternative text. If an image is within a link that contains no text and that image does not provide alternative text, a screen reader has no content to present to the user regarding the function of the link.

How to Fix It
Add appropriate alternative text that presents the content of the image and/or the function of the link.

The Algorithm... in English
An image without alternative text (missing an attribute or an alt value that is null/empty or only space characters) is within a link that contains no text and no images with alternative text.

Standards and Guidelines

- Section 508 (a)
- 1.1.1 Non-text Content (Level A)
- 2.4.4 Link Purpose (in Context) (Level A)

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Outline Panel

WAVE 5.0 beta
web accessibility evaluation tool

webaim.org →

Styles | No Styles | Contrast →

OUTLINE

- h1** WebAIM - Web Accessibility in Mind
- h2** Getting Started
- h2** WebAIM Training
- h2** From the Blog
- h2** Community
- h2** Promotional Headline:
- h2** Training
- h2** Evaluation
- h2** Design & Delivery
- h2** Current Features
- h3** Screen Reader Survey

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Code Panel

October 1, 2012 at 9:03 AM EDT

Energy Dataloops: Unleashing the Power of Open Data to Advise our Energy Future

Develop an easy-to-use software package that lets a building owner perform virtual energy audits at a fraction of the cost of in-person audits, so real savings are calculated instantly, building

Heading level 3

A third level heading (h3 element) is present.

Budget Control Act of 2011

Report: Tuesday, August 2, 2011

President Barack Obama

visits the Hoover Dam during a stop at the 1,000-foot long structure which spans the Colorado River at the Arizona-Nevada border

```
<h3><strong>Budget Control Act of 2011</strong></h3>
```

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The Future of WAVE

- Updated toolbars - Firefox and Chrome
- WAVE the Web Project
- WAVE API
- Enterprise tools
 - Multi-page and site-wide auditing
 - Custom filters
 - Custom rules (basically written in jQuery)
 - Notes/checklist sharing
 - Implementation plans
 - Stand-alone WAVE installations
 - ???
- ... and much more.

We're always trying to improve WAVE, so please send us feedback! ²²

Common Questions

- Is WAVE accessible?
- What guidelines or standards does WAVE evaluate against?
- Are there limitations to using WAVE?

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Thank You!



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Thank you for participating in today's
Accessible Technology Webinar!

Next Scheduled Session
DECEMBER 11, 2012,

**MOBILE ACCESSIBILITY - THE STATUS OF
ACCESSIBILITY IN MOBILE DEVICES**

www.ada-audio.org

877-232-1990 (V/TTY)

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