# How to Test Websites for Accessibility – Free Testing Tools

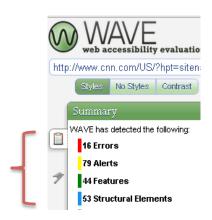
#### **WAVE**

WAVE, by WebAim, is a tool that provides quick feedback on the current state of a webpage. It displays results with green, yellow and red tags to show where violations may occur and where accessibility is already built in.

To test an Internet resource for accessibility, enter the URL into the space provided at the WebAim Wave port at <a href="http://wave.webaim.org/">http://wave.webaim.org/</a>



The results will display on the left side of the page with a summary of issues. Errors are in red, yellow alerts need a human to test, and green checks are where accessibility is included.



Guide to Creating Accessible Electronic Materials Contact us at <a href="mailto:ati@gmu.edu">ati@gmu.edu</a> or 703-993-4329 2-24-2014

#### **WAVE Firefox Extension**

WAVE also provides a toolbar extension for Firefox where you can run WAVE directly in Firefox.

Visit <u>WAVE Firefox Extension</u> for more information.

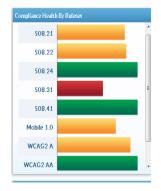
## **Accessibility Management Platform**

The Accessibility Management Platform (AMP) is a web-based system with the capability to spider through an entire website and test for 508/Mobile/WCAG standards and highlight violations.

It provides accessible code examples and best practices for how to correct violations. A clean, easy to read report is then published.

Have a website tested for free at GMU using this tool. Please visit Request a Web Accessibility Evaluation.

Sample from AMP report below:



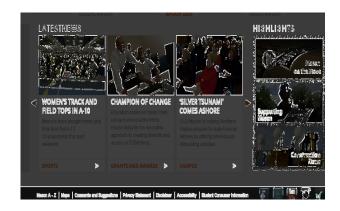
## **Color Contrast Analyzer**

The Color Contrast Analyzer is a Google Chrome Extension. This extension allows a user to analyze color contrast on a single webpage according to the WCAG 2.0 color standards. A user can choose to analyze a portion of the webpage, or the entire page.

The automated process takes anywhere from 1-3 minutes and the results display a map of the outlined text that meets the standards.

Any text that is not displayed in the results does not have enough contrast to meet the standards selected.

Sample of results below:





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## **Open AJAX Alliance**

The Open AJAX Alliance (OAA) is an accessibility add-on within Firefox. This plug in opens a sidebar to evaluate web pages for compliance to WCAG 2.0 success criteria and allows web developers to explore and inspect the accessibility of webpages.

OAA displays a summary report with the number of violations, warnings, manual checks, and the percentage of accessibility included.



The sidebar supports both ARIA code and the reports can easily be sent to developers and managers to inform them of accessibility problems or demonstration of conformance.

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## Web Accessibility Toolbar in IE

The Web Accessibility Toolbar (WAT) is a free download provided by the Paciello Group.

This toolbar is built into Internet Explorer (IE) and provides quick and easy manual checks for web accessibility.

With the WAT Toolbar, a user can check for headings, alt text for images, color contrast and more.

### Sample below:



### **Additional Resources**

WebAim (Web Accessibility in Mind)

AMP (Accessibility Management Platform) by SSB Bart Group

WebAccessibility.com

