



Web Accessibility

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What is Web Accessibility?

- ❖ Web Accessibility: removes barriers that prevent interaction with or access to websites for anyone with a disability.
- ❖ Web Content Accessibility Guidelines: covers a wide range of recommendations for making web content more accessible.
 - WCAG 2.1 will be in effect January 18, 2018 .
- ❖ WCAG status is on a working draft by the Accessibility Guidelines Working Group.



Types of Disabilities

- ❖ Visual
- ❖ Auditory
- ❖ Physical
- ❖ Speech
- ❖ Cognitive
- ❖ Neurological
- ❖ Aging-related



Tools for People with Disabilities

- ❖ Alternative keyboards
- ❖ Braille and refreshable displays
- ❖ Scanning software
- ❖ Screen magnifiers
- ❖ Screen readers
- ❖ Speech recognition
- ❖ Tabbing through elements
- ❖ Voice browsers

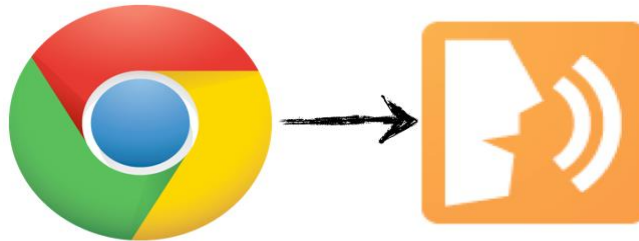


Visual Disability Tools

❖ Most common tool used by those visually impaired: ChromeVox

- Link to Chrome Extension Store:

https://chrome.google.com/webstore/detail/chromevox/kgejglhpjiefppelpmljglcjbhoiplfn?utm_source=chrome-ntp-icon



Hearing Disability

❖ Best practices:

- Captions for videos, podcasts, or any type of audio.
- Transcripts of videos, podcasts, or any type of audio.
- Optional: Sign language.

❖ Captions and transcripts are more realistic to set up for this accommodation.



Importance of Alternative Text

- ❖ Alternative Text (alt text): is an HTML attribute that goes along with image media, such as a picture. If a user hovers their mouse over a picture it will show the alternative text in a small box.
- ❖ This is critical for those with visual impairments.



```
<div id="header_widget_1">
<ul class="sidebar_list">
<li id="text-3">
<div class="textwidget"><div style="float:right;padding-
top:10px;"><a rel="nofollow" href="http://twitter.com/roohimoolla">
</a>&nbsp;<a rel="nofollow"
href="http://www.facebook.com/socialbiznow">
</a></div></div>
</li></ul>
</div>
```

If You Get a Complaint

- ❖ Alert specific people
 - Development Team
 - Administrators
 - Legal Console
- ❖ Confirm the problem exists
- ❖ Respond to OCR by date indicated
- ❖ ***All communications regarding any complaint will be documented along with corrective action plan.***
- ❖ Complaints can be prevented by routine audits by development team



WordPress Best Practices

- ❖ Follow Accessibility Guidelines with all content.
- ❖ Grandfather in eligible content with grandfather policy.
- ❖ Use tools like WP Accessibility.
<https://wordpress.org/plugins/wp-accessibility/>



Tools



- ❖ 508 Checker: checks if your site meets 508 compliance.
<http://www.508checker.com/>
- ❖ A-Tester: checks with HTML5 markup with WCAG Level-AA conformance.
<http://www.evaluera.co.uk/>
- ❖ Bureau of Internet Accessibility: will generate a free grade report to you for your website.
<https://www.boia.org/wc3-free-2-0-aa-report>
- ❖ Chrome Accessibility Developer Tools Plugin: adds accessibility sidebar pane in the elements tab of Developer Tools.
<https://chrome.google.com/webstore/detail/accessibility-developer-t/fpkknkljclfencbdbgkenhalefipecmb?hl=en>

More Information

- ❖ WCAG 2.1 Standards
<https://www.w3.org/TR/WCAG21/>
- ❖ Developing Accessible Websites
<http://www.washington.edu/accessibility/web/>
- ❖ ADA Website Accessibility Explained
<https://www.youtube.com/watch?v=3IRqtXGrdNY>
- ❖ How a Blind Person Uses a Computer
<https://www.youtube.com/watch?v=UzffnbBex6c>
- ❖ Hearing Disability
<https://www.youtube.com/watch?v=kNKCWeJ4sOU>



More
Information



Web Accessibility

[HTTPS://1DRV.MS/P/S!AVUMTQMqAFKUSW2UHBB9SVQL8XPD](https://1drv.ms/p/s!AVUMTQMqAFKUSW2UHBB9SVQL8XPD)

