Disclaimer

This file includes has some accessibility problems. We will demonstrate how to repair these issues through the course of the training.

Web/Document Accessibility Training



Jonathan Whiting and John Northup
WebAIM.org

Are you a...

- Developer
- Designer
- Web content creator/author
- Project manager
- Something else?

True or False?

Accessible web design only benefits a small percentage of the population.

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

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

Google is blind

...and deaf

...and can't use a mouse

Assistive Technology

"Assistive technology promotes greater independence by enabling people to perform tasks that they were formerly unable to accomplish, or had great difficulty accomplishing."

Wikipedia

Do you use a form of assistive technology?



True, False, or I don't know?

My web content is currently accessible.

WCAG 2

- Principles based
 - Perceivable
 - Operable
 - Understandable
 - Robust
- WCAG 2.0 finalized in 2008
- WCAG 2.1 finalized June 2018

Normative

- "Required for conformance"
- Principles (POUR) > Guidelines >
 Success Criteria
- Success Criteria are assigned levels
 - A, AA, or AAA



Non-normative



- "For information purposes and not required for conformance"
- Supporting materials are nonnormative
- Understanding...
- How to Meet...
 - Sufficient Techniques, Advisory
 Techniques, and Failures

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

1.1.1 Understanding 1.1.1

> Show techniques and failures for 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: > Show full description

1.2.1 Understanding 1.2.1



WCAG 2 Checklist

Principle 1: Perceivable

Web content is made available to the senses - sight, hearing, and/or touch

Guideline 1.1 Text Alternatives

Provide text alternatives for any non-text content

Success Criteria	Recommendations
1.1.1 Non-text Content (Level A)	☐ All images, form image buttons, and image map hot spots have appropriate, equivalent alternative text.
	☐ Images that do not convey content, are decorative, or contain content that is already conveyed in text are given null alt text (alt="") or implemented as CSS backgrounds. All linked images have descriptive alternative text.
	☐ Equivalent alternatives to complex images are provided in context or on a separate linked page.
	□ Form buttons have a descriptive value.
	□ Form inputs have associated text labels.
	□ Embedded multimedia is identified via accessible text.
	□ Frames and iframes are appropriately titled.

Guideline 1.2 Time-based Media

Provide alternatives for time-based media

NOTE: If the audio or video is designated as an alternative to web content (e.g., an audio or sign language version of a web page, for example), then the web content itself serves as the alternative.

Success Criteria	Recommendations
1.2.1 Prerecorded Audio-only and Video-only (Level A)	 A descriptive text transcript that includes relevant auditory content is provided for non-live audio-only (audio podcasts, MP3 files, etc.). A descriptive text transcript or audio description is provided for non-live video-only
	(e.g., video that has no audio track), unless the video is decorative.
1.2.2 Captions (Prerecorded)	$\hfill \square$ Synchronized captions are provided for non-live video (YouTube videos, etc.).

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.
 - Section 504
- Updated January 2018 to incorporate WCAG 2.0 A/AA
- VPAT 2 Voluntary Product Accessibility Template

Americans with Disabilities Act

- Pre-dates the web
- 3 Titles Employment, State and local governments, Public and commercial facilities
- Does not define technical standards for web accessibility
- Lawsuits, complaints, and DOJ settlements require WCAG 2.0
 A/AA

ADA Compliant?





We have web accessibility in mind

Our mission is to empower organizations to make their web content accessible to people with disabilities.

Accessibility Training



Whether here in Utah or on-site at your organization, WebAIM can provide comprehensive training to fit your needs.

Accessible Site Certification



As a respected third party accessibility expert, WebAIM can evaluate and certify your site to established web accessibility guidelines.

Community

WebAIM Blog

Newsletter

skip to main content

WebAIM - Web Accessibility In Mind

Main Navigation Services Articles Resources Community

Search Terms

Introduction to Web Accessibility

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Accessible Site Certification

As a respected third party accessibility expert, WebAIM can evaluate and certify your site to established web accessibility guidelines.

Technical Assistance

Need assistance implementing accessibility? WebAIM's expert staff can provide the assistance you need.

Evaluation and Reporting

We can provide reports to help you know how accessible your site is and how to make it better.

Community WebAIM Blog Newsletter E-mail Discussion List Twitter

WebAIM - Web Accessibility In Mind

Main Navigation

- Services
- Articles
- Resources
- Community

Search Terms | Search WebAIM

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Focus on Content & Structure

- Headings
- Slide layouts (PowerPoint)
- Lists

Screen reader demo

Alternative Text

Alternative Text

Should...

- Be accurate and equivalent.
- Be succinct.
- NOT be redundant.
- NOT use the phrases "image of ..." or "graphic of ..." to describe the image.

What is equivalent alternative text?

CONTENT and **FUNCTION**

VERY RARELY Description

If you couldn't use a picture, what text would you put in its place?







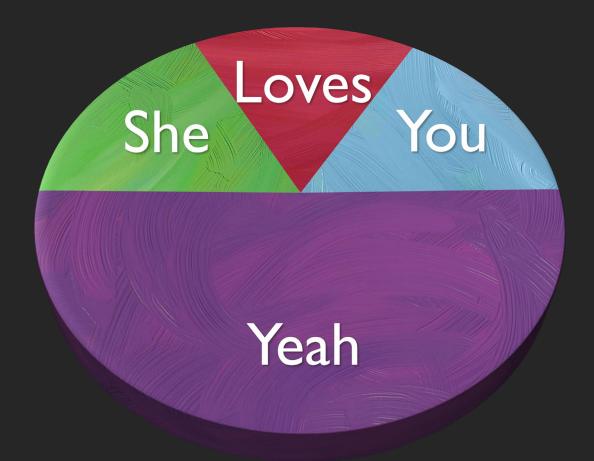
What if it's a link?





alt="students studying under a tree"???

Complex Images



Contents of a Beatles Song

Complex Images

- Provide the alternative in context OR
- Provide a link to page that contains the longer description
- The main image should still have descriptive alternative text

London's Rail & Tube services

Key to lines and symbols

Bakerloo
Central
Circle
District
Hammersmith & City
Jubilee
Metropolitan
Northern
Piccadilly
Victoria
Waterloo & City
DLR
London Overground
London Trams
TfL Rail
Emirates Air Line cable car

chittern kaitways

Gatwick Express

Great Northern

Great Western Railway

Greater Anglia
 Heathrow Expression

Heathrow Express
Southern

Southeastern high speed

South Western Railway
Thameslink

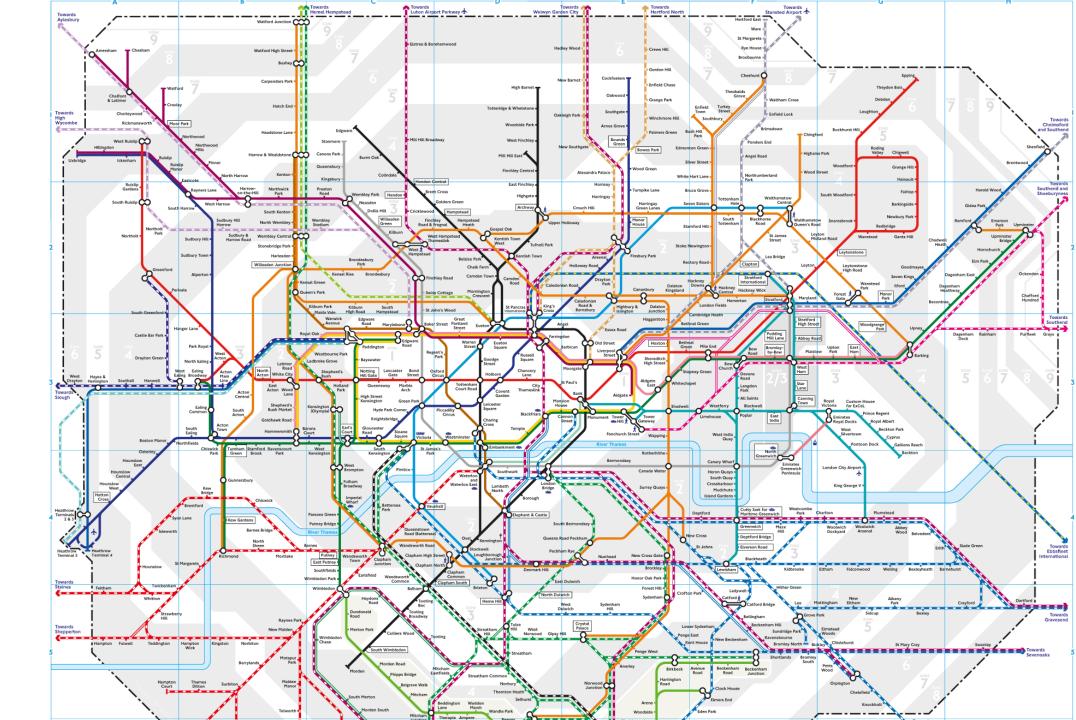
West Midlands Trains

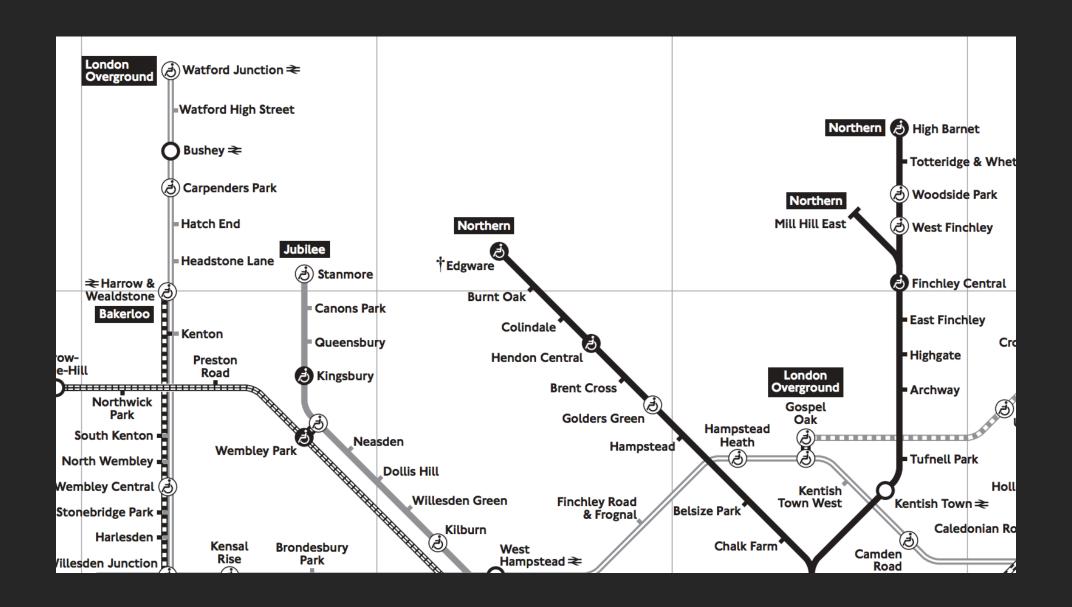
London Trams fare zone
ratford Station in both fare zones

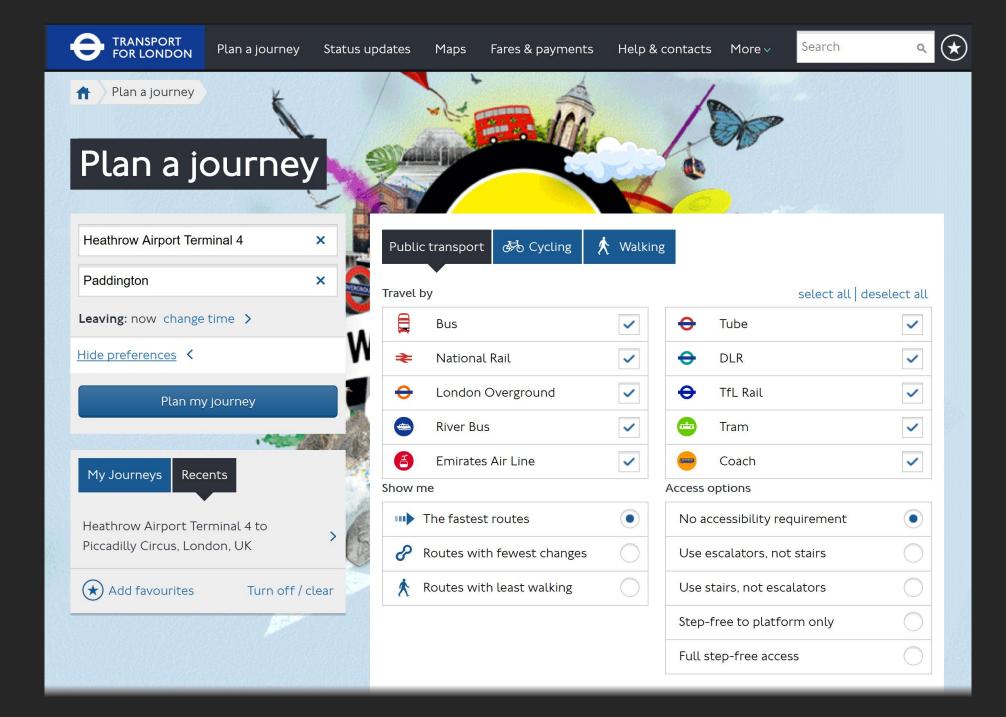
Interchange stations
Street level transfer between stations

Airport Riverboat

Riverboat services Victoria Coach Station







kindle fire HD

Our most affordable Kindle Fire, now in HD









See 1 customer image
Share your own customer images



Storage Size: 8 GB



16 GB

Offer Type: With Special Offers



Without Special Offers Special offers and sponsored screensavers display on the Kindle Fire lock screen. Learn more

In Stock.

Ships from and sold by **Amazon Digital Services.**Important information about using outside the U.S.

Want it tomorrow, Feb. 19? Order within 7 hrs 50 mins and choose One-Day Shipping at checkout. Details

We want you to know...

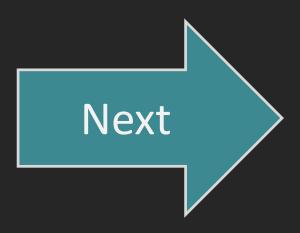
Learn more about design decisions and feature changes to help make an informed purchase

Our most affordable Kindle Fire—now with a stunning HD display, faster processor, and longer battery life

- Experience movies, TV, and games, and more on a stunning HD display (216 ppi / 1280x800)
- Fast 1.5GHz dual-core processor—apps launch quickly, games and videos play smoothly
- Create profiles and set time limits for children with Kindle FreeTime. Easy-to-use parental controls let everyone enjoy, worry-free
- Ultra-fast web browsing over built-in Wi-Fi, plus updated e-mail and calendar support for Gmail, Outlook, and more
- Instant access to over 100,000 apps and games in the Amazon Appstore, including a new paid app for free every day
- Prime In addition to Free Two-Day Shipping, Prime members can stream tens of thousands of Prime Instant Video titles at no additional cost, over half of which can be downloaded to the latest generation of Kindle Fire tablets.

Descriptive link text

- Click here
- Click here to log in
- Click here to log in
- Log in



Tables

Layout tables

39%

67%

High Score

0%

Low Score

3.42

02.59

Standard Deviation Average Time

Average Score

Layout tables

39%	67%	0%	3.42	02.59
Average Score	High Score	Low Score	Standard Deviation	Average Time

Layout tables

39%

Average Score

67%

High Score

0%

Low Score

3.42

Standard Deviation 02.59

Average Time

Data tables

Class Schedule

Class Name	Course Number	Location
Advanced Website Development	BIS 5650	B105
Database Management	BIS 3330	B220

Data tables

Class Schedule

Class Name	Course Number	Location
Advanced Website Development	BIS 5650	B105
Database Management	BIS 3330	B220

Fall Semester					
Class Name	Course Number	Location			
Advanced Website Development	BIS 5650	B105			
Database Management	BIS 3330	B220			

Fall Semester

Class Name	Course Number	Location
Advanced Website Development	BIS 5650	B105
Database Management	BIS 3330	B220

Fall Semester					
Class Name	Course Number	Location			
Advanced Website Development	BIS 5650	B105			
Database Management	BIS 3330	B220			
Winter Semester					
Class Name	Course Number	Location			
Advanced Website Development	BIS 5650	B105			
Database Management	BIS 3330	B220			

Fall Semester						
Class Name	Cou	rse Number		er	Location	
Advanced Website Development		SIS	5650			B105
Database Management		SIS	3330			B220
Winter			est	er		
Class Name	Cou	rse	Nι	mb	er	Location
Advanced Website Development		IS	56	50		B105
Database Management	• [BIS	333	30		B220

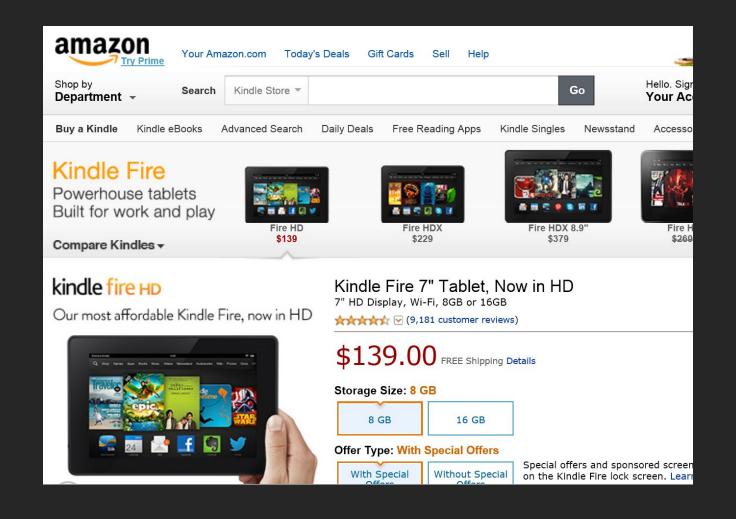
Fall Semester

Class Name	Course Number	Location
Advanced Website Development	BIS 5650	B105
Database Management	BIS 3330	B220

Winter Semester

Class Name	Course Number	Location
Advanced Website Development	BIS 5650	B105
Database Management	BIS 3330	B220

Low Vision





Your Amazon.com

Today's Deals

Gift Cards

Sell

Help



Search

Kindle Store ▼

Go

Hello. Sigr Your Ac

Buy a Kindle

Kindle eBooks

Advanced Search

Daily Deals

Free Reading Apps

Kindle Singles

Newsstand

Accesso

Kindle Fire

Powerhouse tablets Built for work and play



Fire HD \$139



Fire HDX \$229



Fire HDX 8.9" \$379



Fire H \$269

Compare Kindles ▼

kindle fire HD

Our most affordable Kindle Fire, now in HD



Kindle Fire 7" Tablet, Now in HD

7" HD Display, Wi-Fi, 8GB or 16GB

★★★★★ ▼ (9,181 customer reviews)

\$139.00 FREE Shipping Details

Storage Size: 8 GB

16 CD







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lle Fire, now in HD

Kindle Fire 7" Tablet, Now i

7" HD Display, Wi-Fi, 8GB or 16GB

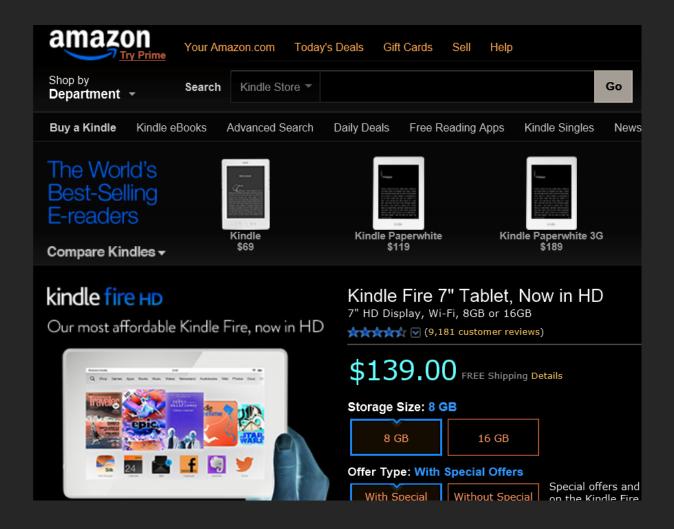


Vitally Important Text

VS

Vitally Important Text

Inverted and High Contrast



WCAG Contrast Formula

$$(L1 + 0.05) / (L2 + 0.05)$$
 where
$$L = 0.2126 * R + 0.7152 * G + 0.0722 * B$$
 where
$$R, G, \text{ and } B =$$

$$R_{sRGB} <= 0.03928 \text{ then } R = R_{sRGB}/12.92$$
 else
$$R = ((R_{sRGB} + 0.055)/1.055) ^ 2.4$$
 where
$$R_{sRGB} <= R_{8bit}/255$$

21.1

21-1

Level AA Contrast Examples

4.5:1

3:1 – "Large" text

Gray (#767676) on White

≥18pt (24px)

Purple (#CC21CC) on White

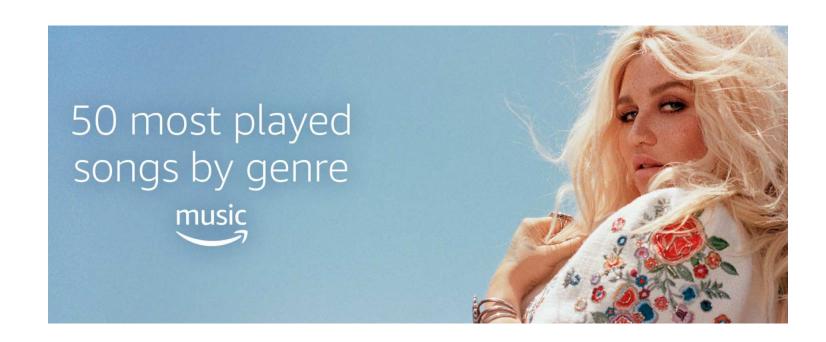
Red (#F30000) on Yellow (#FFFF00)

BOLD: $\geq 14pt (18.67px)$

WebAIM Contrast Checker

webaim.org/resources/contrastchecker/

"Images of text"



We have the same contrast ratio

Exceptions

"Incidental"



"Logotypes"



WCAG 2.1: Non-text Contrast

- Level AA
- 3:1 contrast of:
 - User Interface Components (less common in documents)
 - Graphical Objects

"Graphical Objects"





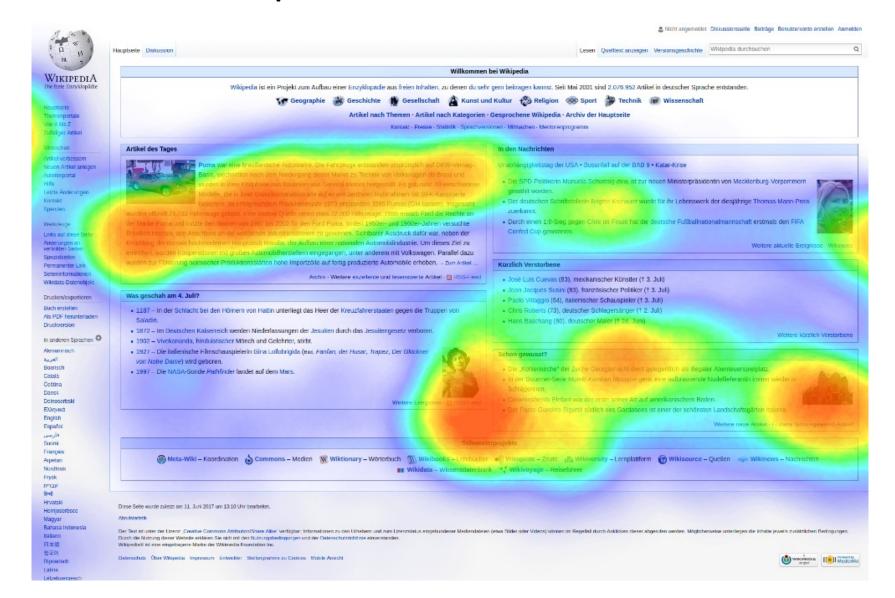
"Required to understand"



"Against adjacent color(s)"



Exception – "Essential"



Color Blindness



An Example

The green mushrooms listed here are okay to eat. The red mushrooms will kill you.

- Amanita
- Chanterelle
- Porcini
- Shiitake
- Tylopilus

An Example

The green mushrooms listed here are okay to eat. The red mushrooms will kill you.

- Amanita
- Chanterelle
- Porcini
- Shiitake
- Tylopilus

- 1. Ensure enough contrast
- 2. Do not rely on color alone
 - Don't remove underline from links

Auditory Disabilities



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

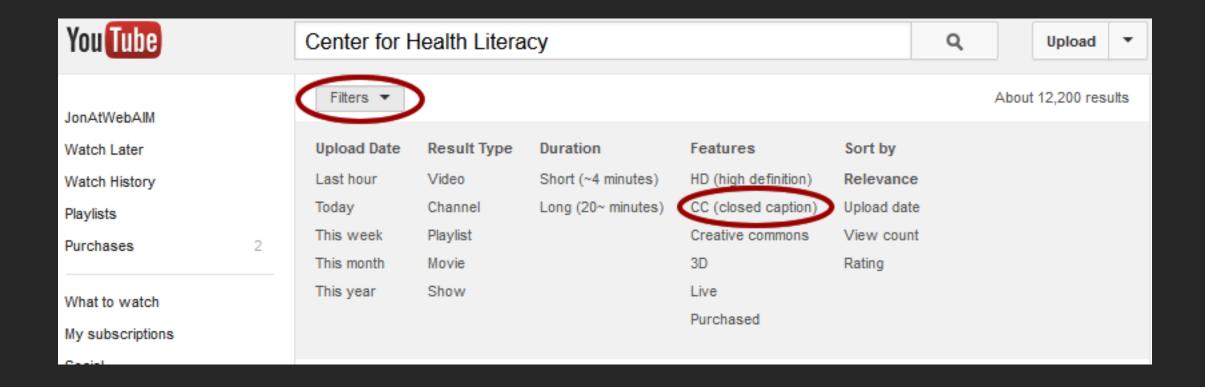
Transcription Methods

- Typing
 - Accurate, but very slow
- Stenographer or "Shadow Speaker"
 - Accurate and fast, but expensive
- Automated captioning
 - Free, but may require extensive review/repair





Search for captioned videos



Audio Description

Typically a narrator that describes visual content. Sometimes called "Descriptive Video Service" (DVS).

Avoid expensive audio descriptions by ensuring important visual content is presented audibly.



What are additional benefits of captions and transcripts?

Cognitive/Learning Disabilities

Most of these principles apply

- Headings
- Links
- Video Captions
- Contrast
- Alternative text (possibly)

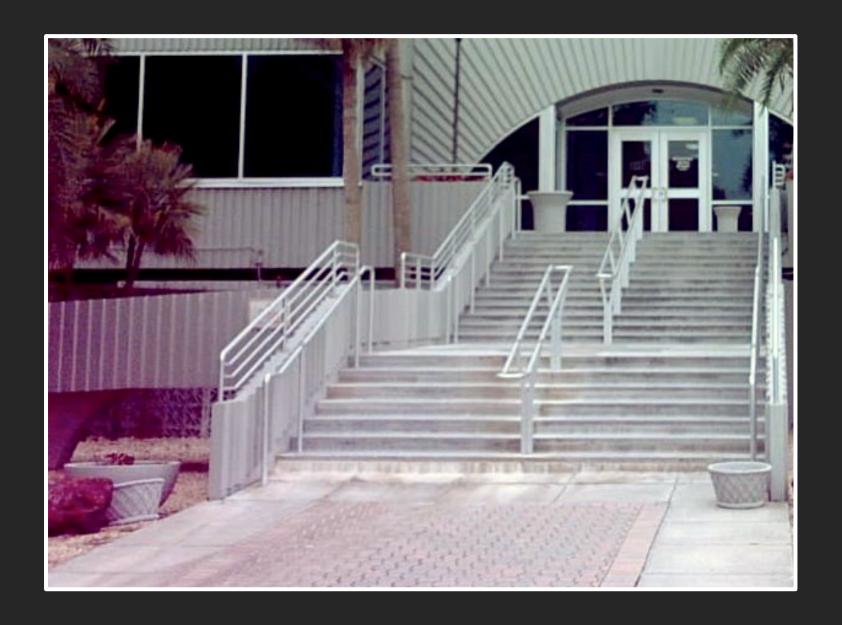
Cognitive/Learning Disabilities

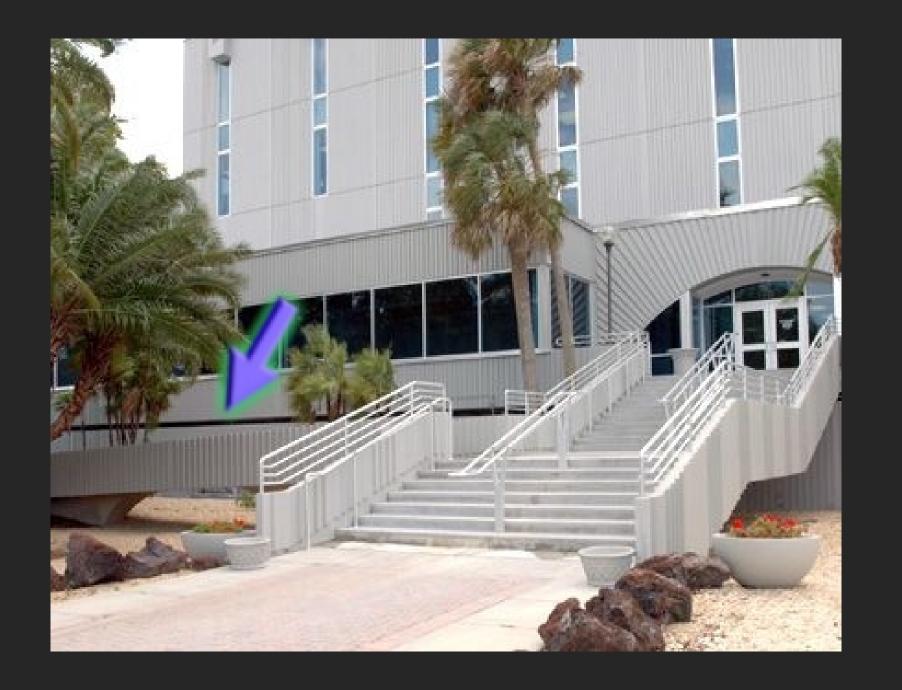
- Small text negatively impacts readability
 - WCAG has no text size guidelines
- Avoid long line lengths
 - Consider line height/spacing
- Be consistent

Avoid Full Justification

em ipsum dolor sit amet, consecti piscing elit. Pellentesque viverra d h nunc. Nam sed nisl nec elit susc llamcorper. In leo ante, venenati itpat ut, imperdiet auctor, enim. avida. Suspendisse molestie sem esent a lacus vitae turpis consed mper. Integer porta. Donec sit am esent a eros. In hac habitasse pl ctumst. Suspendisse fermentum. em ipsum dolor sit amet, consect









Thank You!

http://webaim.org

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



Document Accessibility Training



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Blindness

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- Community

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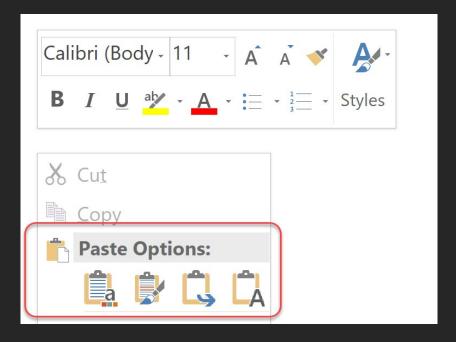
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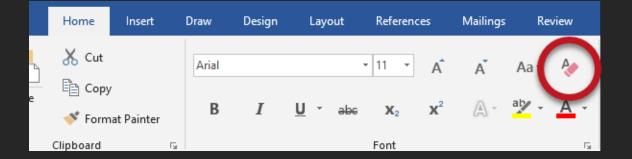
Focus on Content & Structure

Focus on Content & Structure

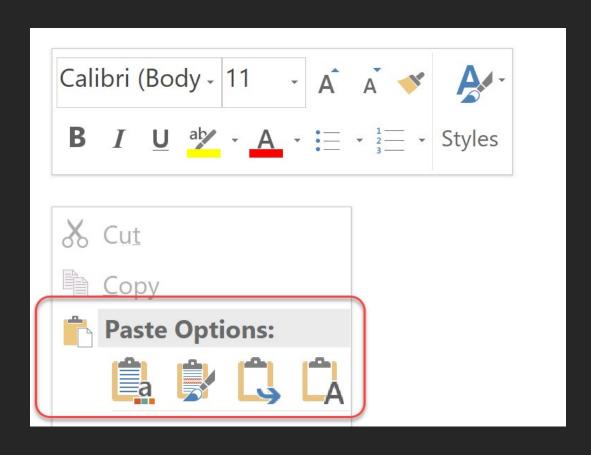
Paste > "Keep Text Only"



"Clear formatting"



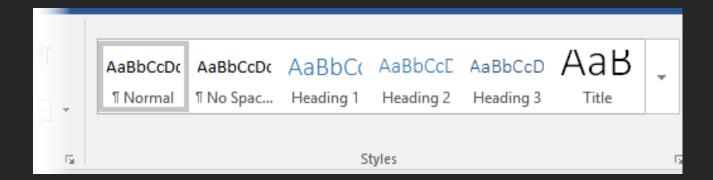
Paste Options Office



Use Headings

Headings in Word

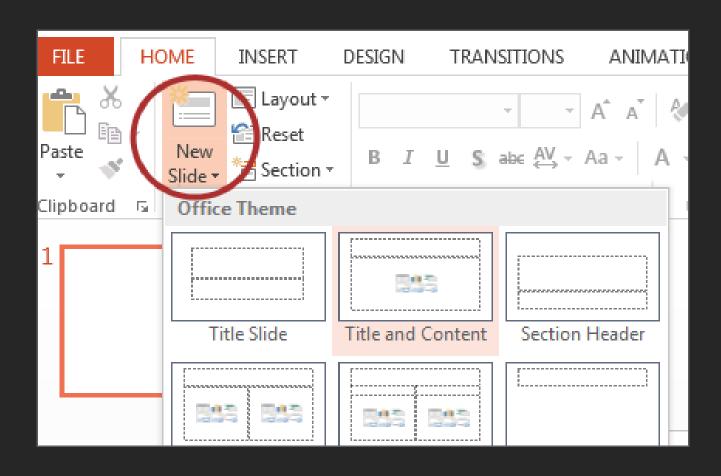
- Use "Styles" toolbar
- Proper heading structure
 - Usually one Heading 1
 - Don't skip heading levels
- Ctrl + Alt + 1, 2, or 3
 - command + option on Mac



Where are the Headings in PowerPoint?

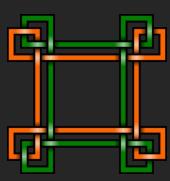


Slide "Layouts"

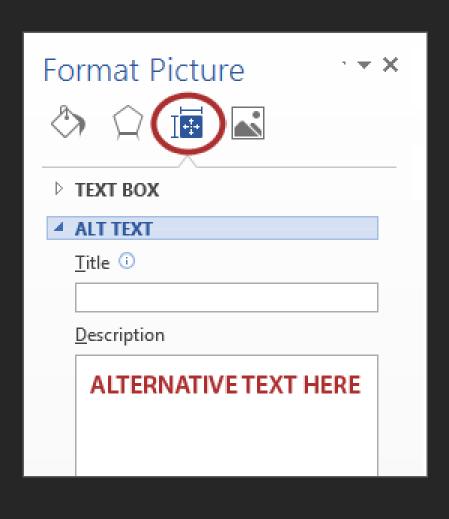


Decorative Images

- You can hide images from a screen reader in Word or PowerPoint, but only in Office 2019 or Office 365.
- A screen reader will usually read "graphic".
- They will be hidden in PDF. If you have Office 2016, you will need to hide in Acrobat.
- Avoid decorative images when possible.



Alternative Text in Office 2016



- Right-click the image and choose Format Picture.
- Select the Size[Layout] &
 Properties icon and choose Alt
 Text.
- 3. Enter appropriate alt text in the **Description** field (not Title).

Alternative Text in Office 365/2019



- 1. Right-click the image and choose **Edit Alt Text**
- 2. Enter appropriate alt text in the field.
 - -Or check Mark as decorative

Windows: DO NOT choose "Generate a description for me"

Tables practice

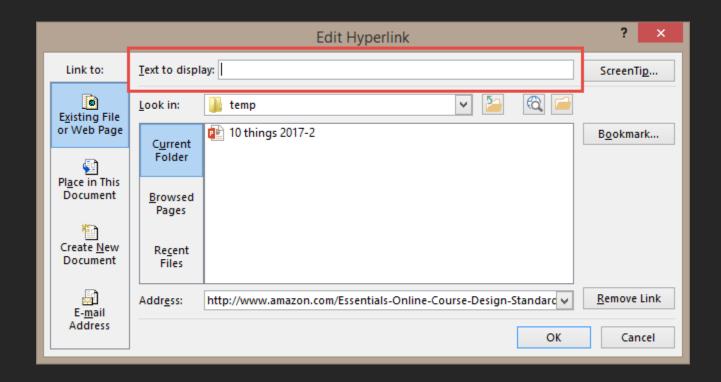
Class Schedule

Class Name	Course Number	Location
Advanced Website Development	BIS 5650	B105
Database Management	BIS 3330	B220

Tables – other principles

- Use data table Styles only for data tables
- Avoid empty headers
- No need to add "Alt text" to tables

Editing Link Text



Right click > Edit Hyperlink (or Ctrl + K) > Text to display

For more information on this topic, read Essentials of Online Course Design: A Standards-Based Guide-

http://www.amazon.com/Essentials-Online-Course-Design-

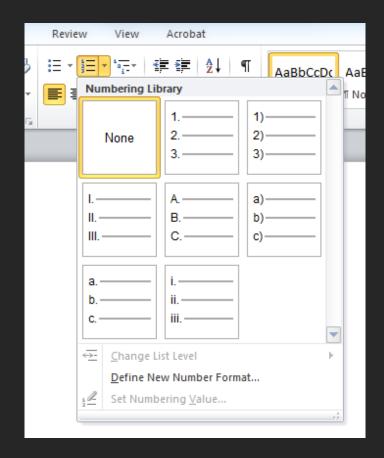
Standards-

Based/dp/0415873002/ref=sr 1 11?s=books&ie=UTF8&qid=132

9661475&sr=1-11 -

Lists

- Use true lists rather than typing numbers or inserting bullet characters/icons
 - Word/PowerPoint may auto-create lists
- Ordered (numbered) or unordered (bulleted) lists
- Nest lists appropriately

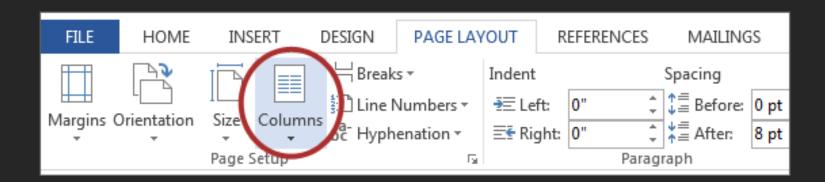


4 Steps to Create Lists in Office:

- -Decide what type of list you should use—bulleted or numbered
- -Highlight text
- -Choose the correct list type
- -Spend the 5 minutes fixing auto-numbering ©

Columns

- Use true columns rather than the Tab key to define columns.
 This ensures proper reading order.
- Go to Page Layout on the Ribbon and select Columns.

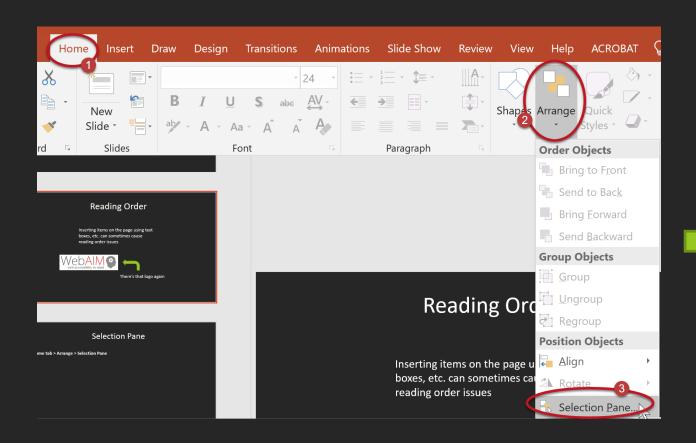


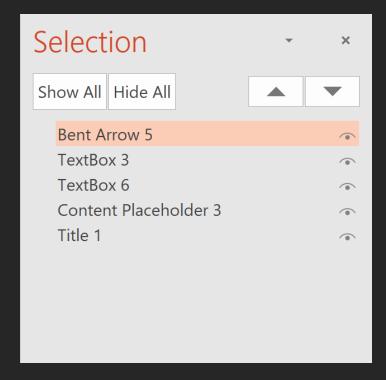
Reading Order

The object on a slide's bottom layer ...is read first by a screen reader.



Selection Pane





Reading Order Practice

Inserting items on the page using text boxes, etc. can sometimes cause reading order issues

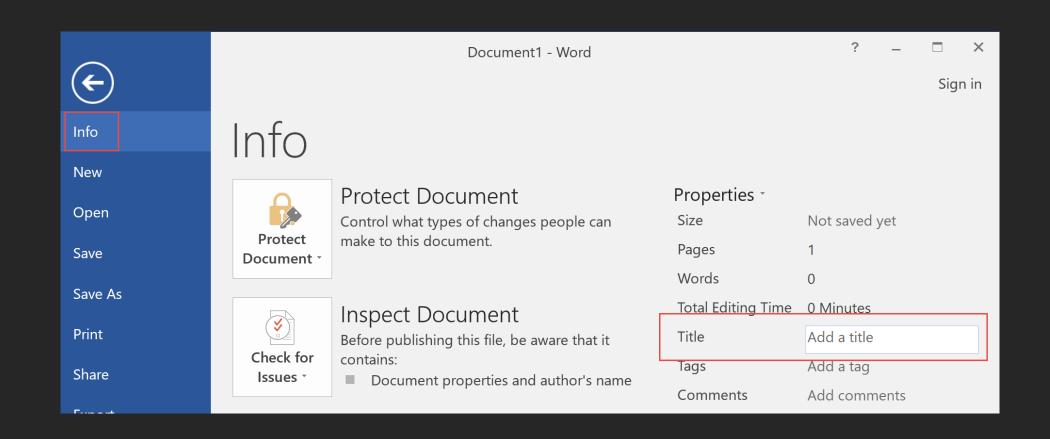




There's that logo again

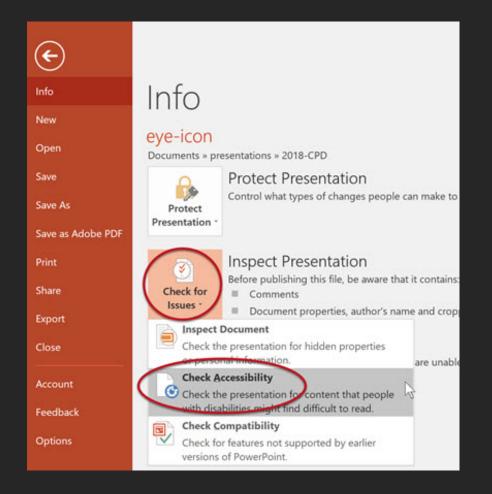
Give Documents Descriptive Titles

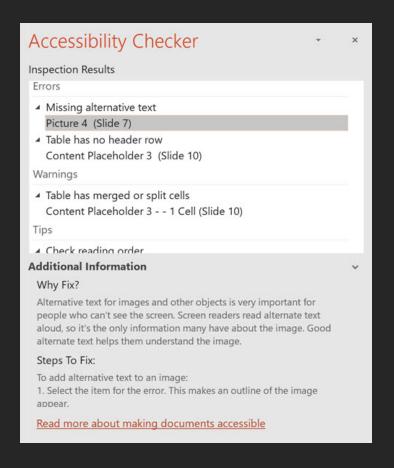
Document Title



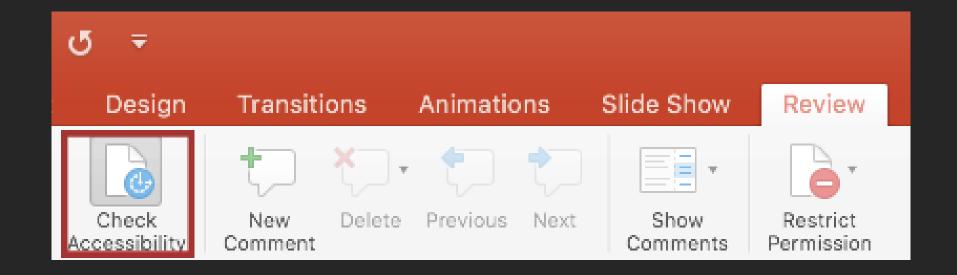
Check accessibility

Windows: File > Check for Issues> Check Accessibility





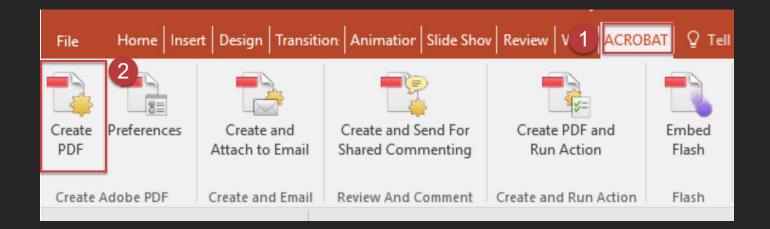
Mac: Review tab > Check Accessibility



PDF in a nutshell

- PDF is a file format
- Do as much as you can in the source document
- Need Acrobat Pro to make accessibility changes to PDF

Convert to PDF



- Windows: Acrobat tab
 - > Create PDF
 - If not available, use"Save As"
- Mac: In Acrobat, File >
 Create
- Do **NOT** print

Start with the Source Document

- Headings
- Alternative text for images*
- Tables*
- Links
- Lists
- Columns
- Text size

- Contrast
- Color reliance
- Document title

^{*}Decorative images, complex images, and tables may need cleanup in Acrobat.



Test •WAV] evaluat Ouick Dynar

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Contras

 Identi Ensur Sel •Check Quick Reference: Testing Web Content for Accessibility

Test with WAVE WAVE (<u>wave webaim.org</u>) is an accessibility evaluation tool that facilitates human evaluation by evanuation toot that facilitates numan evanuation by embedding inline accessibility feedback into your web

content.

Dynamic or protected content can be evaluated with the Dynamic or protected content can be evaluated with WAYE Chrome extension (wave, webaim.org/extension). NAVE Unrome extension (<u>wave websum.org/extension</u>
 Icons identify potential problems or features. Click an icons identity potential problems of realities. Click at icon to highlight the corresponding element and get

ntore intormation.

Use the **Details** panel to review page issues. Click on an

iose une Detains paner to review page issues. Click on a icon to find it in the page. Uncheck icons to hide them. No Styles view can be used to simplify the page view and to check reading order for screen readers.

• Click on the **Code** button at the bottom of the page to reveal a code inspector.

• The image alt attribute value is displayed next to the

• Ensure alternative text conveys the **content** and function of the image. It should be succinet, accurate,

and userui.

Look for images of text where the same presentation can be accomplished using true text.

• View headings in the **Outline** tab in the sidebar.

 view nearings in the Cuttine too in the Success.
 Ensure visual headings are marked up as true headings. The main heading should usually be an <h1>.

1 ne main nearing snound usuany oc an Ship?
 Look for skipped heading levels (e.g., <h2> to <h4>).

Contrast • Select the Contrast view.

WAVE flags WCAG AA contrast issues.

o WAYE mags WEAD AN CONTRACT ISSUES.

o If links are not underlined, there must be 3:1 contrast o ir miss are not undermied, mere must be 3.1 contrast between link text and body text and also an additional change (e.g., underlining) on mouse hover and

 A standalone contrast checker is available at webaim.org/resources/contrastchecker/.

Identified in WAVE with light purple icons.

 MORHUBER IN WAYS, WITH IIGHT PURPLE COME.
 Ensure HTML5 regions or ARIA landmarks are correct. Check for appropriate use of ARIA Roles/States/

Properties (presented in green). Ensure ARIA labels and descriptions are correct.

• Ensure forms controls have descriptive labels.

 Use the Code panel to ensure the doi.org/10.1003/j.j.gov/ <mput> 1d values match.

 If a label is not visible, check for a hidden label, aria-

label, or title attribute.

Page language is specified (e.g., https://doi.org/10.1007/j.j.gov/html lang="en">).

If data tables on the first of th

• rage language is specified (e.g., <iniii) lang= eti >)
• If data tables are present, ensure table headers are present and have the correct scope.

WCAG 2.0: webaim.org/standards/weag/checklist/.

New 2.0. <u>Newton and Standards (Newton Space</u>)
 Section 508: <u>websim.org/standards/508/checkist/</u>
 508 is dated and should be used with WCAG 2.0.

Check keyboard accessibility To toggle Mac keyboard accessibility press Control + F7. Then in Safari, select **Preferences** > **Advanced** >

Accessibility > Press Tab to highlight each item... Navigate the page using only the keyboard:

o Tab: Navigate to links and form controls. Shift + Tab: Navigate backwards.

Enter Activate links and buttons.

 Spacebar: Activate checkboxes and buttons. o Arrow keys: Radio buttons, select/dropdown menus,

sliders, tab panels, autocomplete, tree menus, etc. Is anything mouse-only (e.g., rollover menus)?

 Is anything mouse-omy (e.g., ronover menus)?
 Is a "skip navigation" link available? Activate the skip. is a skip navigation mix available; activate are skip link and hit Tab again to ensure it functions correctly.

Is the navigation order logical and intuitive?

 Is a visible keyboard focus indicator/outline present?

Is a visible keyboard focus indicator/outline present?

Outline present? 15 a VISIDE REVIOUS INDICATOR OUTTINE PRESENT
 Test dialogs that 'pop' open. Can you navigate and close

the dialog? Does focus return to a logical place? Modal dialogs maintain focus until dismissed. Non-modal dialogs close when focus is lost.

o For-mousi changes close which for o Esc should also close all dialogs.

• Enlarge the font in your web browser to -150%. Is the Emarge the fort in your web prowser to -150%. Is the page content readable and usable? Is horizontal scrolling

O Safari: View > Zoom Text Only

o Firefox: View > Zoom > Zoom Text Only Internet Explorer: View > Text size

Zoom the web page in your browser (enlarge fonts and ZOUTH THE WELL DAISE IN YOUR INTOWSET (CHIRITYE HOIRS OF images) to at least 200%. Is text in images readable?

Test with a screen reader Focus on navigation, forms, and dynamic content.

 WebAIM tutorials: webaim.org/articles/jaws/, webaim.org/articles/nvda/, and

Are ARIA roles/states/properties necessary, and do they

• If there are forms, submit empty to test error feedback.

Truere are rorms, summer empty to test error reed.
 Are all dynamic changes and updates accessible?

Scan for other issues

Check media for captions and transcripts.

• Ensure the page <title> is unique and descriptive.

 Linsure the page <true> is unique and rescriptive.
 Look for links with ambiguous link text like "click here." Look for this with ambiguous his text like care there.
 Make sure information does not depend on color, audio,

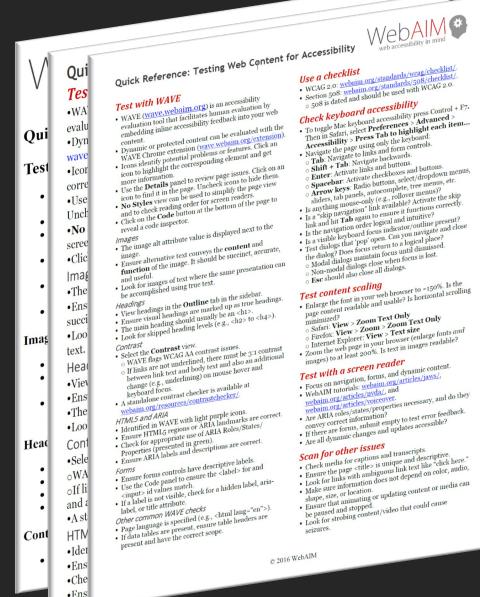
snape, SIGE, or position.

Ensure that animating or updating content or media can

 Look for strobing content/video that could cause seizures.

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3 parts



Visual

Quick Reference: Testing Web Content for Accessibility

- •WAVE (wave.webaim.org) is an accessibility evaluation tool that facilitates human
- evaluation byembedding inline accessibility feedback into your webcontent. • Dynamic or protected content can be evaluated with theWAVE Chrome extension (
- Icons identify potential problems or features. Click anicon to highlight the Test
 - •Use the **Details** panel to review page issues. Click on anicon to find it in the page.
 - •No Styles view can be used to simplify the page viewand to check reading order for

 - Click on the **Code** button at the bottom of the page toreveal a code inspector.

- •Ensure alternative text conveys the **content** and **function** of the image. It should be
 - Look for images of text where the same presentation canbe accomplished using true

Imag

- text.
- •View headings in the **Outline** tab in the sidebar. • Ensure visual headings are marked up as true headings.
- •The main heading should usually be an <h1>. •Look for skipped heading levels (e.g., <h2> to <h4>).

Head

- oIf links are not underlined, there must be 3:1 contrastbetween link text and body text
- and also an additionalchange (e.g., underlining) on mouse hover andkeyboard focus. •A standalone contrast checker is available atwebaim.org/resources/contrastchecker/.

Cont

- •Identified in WAVE with light purple icons.
 - Check for appropriate use of ARIA Roles/States/Properties (presented in green).
 - •Ensure ARIA labels and descriptions are correct.

Content



Quick Reference: Testing Web Content for Accessibility

- \bullet <u>WAVE</u> is an accessibility evaluation tool that facilitates human evaluation by Test with WAVE
 - Dynamic or protected content can be evaluated with the WAVE Chrome extension.
 - Icons identify potential problems or features. Click an icon to highlight the

 - Use the Details panel to review page issues. Click on an icon to find it in the page.

 Use the Details panel to review page issues. No Styles view can be used to simplify the page view and to check reading order
 - Click on the Code button at the bottom of the page to reveal a code inspector.

Images

- Ensure alternative text conveys the **content** and **function** of the image. It should be The <u>image alt attribute</u> value is displayed next to the image.
- Look for images of text where the same presentation can be accomplished using true text.

Headings

- View <u>headings</u> in the Outline tab in the sidebar. Ensure visual headings are marked up as true headings.

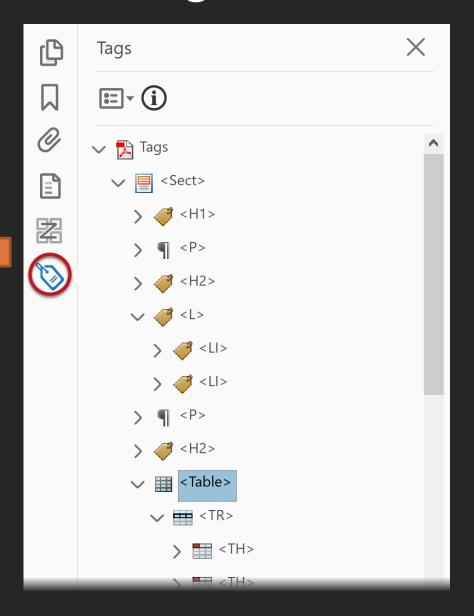
- The main heading should usually be an <h1>. • Look for skipped heading levels (e.g., <h2> to <h4>).

Contrast

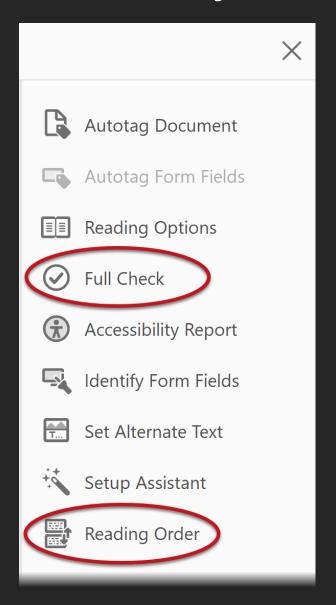
- © WAY 1: Hago WCAU AA CUHUAM 1880CS.
 © If links are not underlined, there must be 3:1 contrast between link text and WAVE flags <u>WCAG AA contrast</u> issues. Select the Contrast view.

Tags

Tags Pane



Accessibility Tools



Main steps

- 1. Run accessibility "Full Check"
 - Make easy repairs
- 2. Repair tag structure with "Reading Order" tool
- 3. Fix content reading order (optional)
- 4. Verify tag structure and order in "Tags" pane

Thank You!

http://webaim.org

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

