

Assistive Technology for Libraries

**Presented by Amy Nickless,
Adult Services Librarian at
Wolfner Talking Book and Braille Library**

Website Accessibility

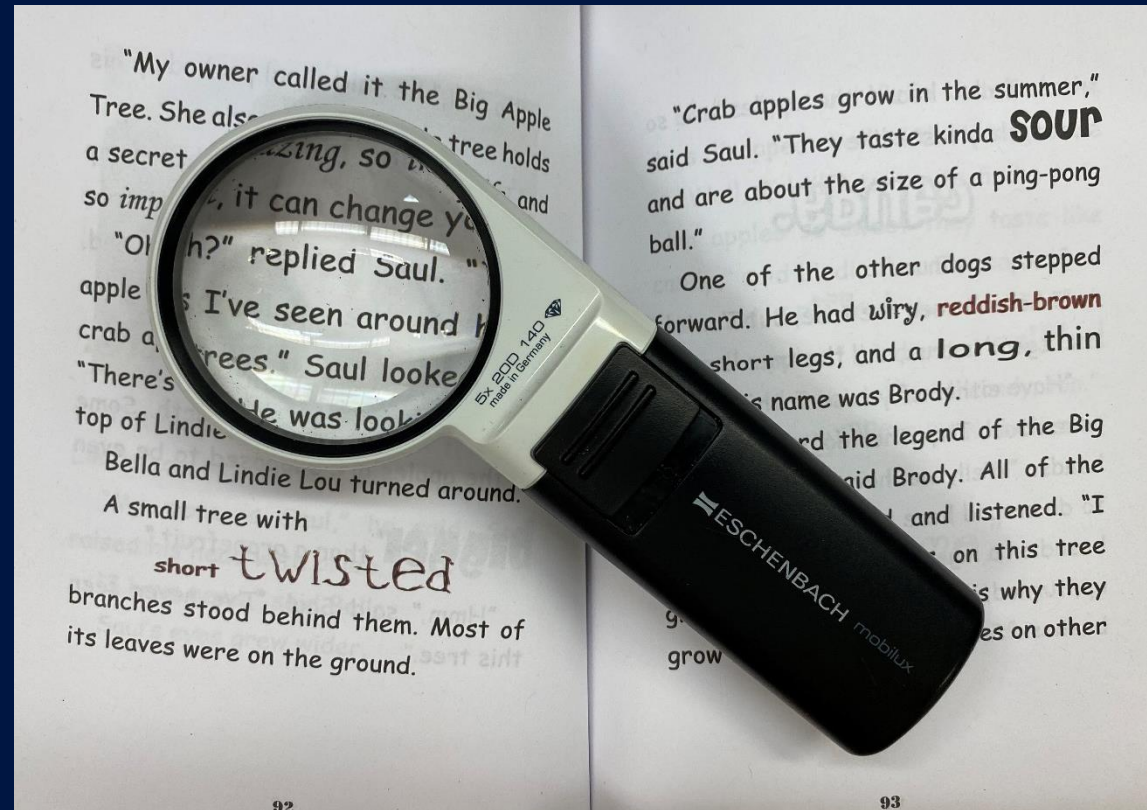
Assistive Technology for Libraries

POUR

- **P: Perceivable-Must be perceived by all regardless of ability**
- **O: Operable-Must allow for multiple input options**
- **U: Understandable-Language and function must be easy to understand**
- **R: Robust-Functionality must work across current and future technologies**

Easy to Read Fonts

- For all disabilities:
 - Arial
 - Calibri
 - Century Gothic
 - Helvetica
 - Tahoma
 - Verdana



Handheld lighted magnifier over a youth large print book in Comic Sans (see next slide too)

Easy to Read Fonts

- For specific disabilities
 - **APHont: Low Vision**
 - Created by The American Printing House for the Blind
 - **Atkinson Hyperlegible** : Low Vision
 - Created by the Braille Institute
 - **Comic Sans: Dyslexia**
 - **DYSLEXIE** : Dyslexia

Font Size

- **Regular Fonts: 10-12 pt**
- **Large Print: 14-18 pt**
 - **Aim for this range!**
- **Giant Print: larger than 18 pt**

- **Note: For PowerPoint, use nothing smaller than 24 pt**

Regular font-10 pt

Regular font-12 pt

Large Print-14 pt

Large Print-16 pt

Large Print-18 pt

Giant Print-20 pt

Giant Print-22 pt

Organizing Webpages

- Bake accessibility into your website!
 - Organize online content logically
 - Use Headers 1-6
 - Use alt-text and alt-links for images and hyperlinks
 - Use Skip Links

H1 Programming

Wolfner Library offers a variety of programming for all ages. Follow the links below to learn more:

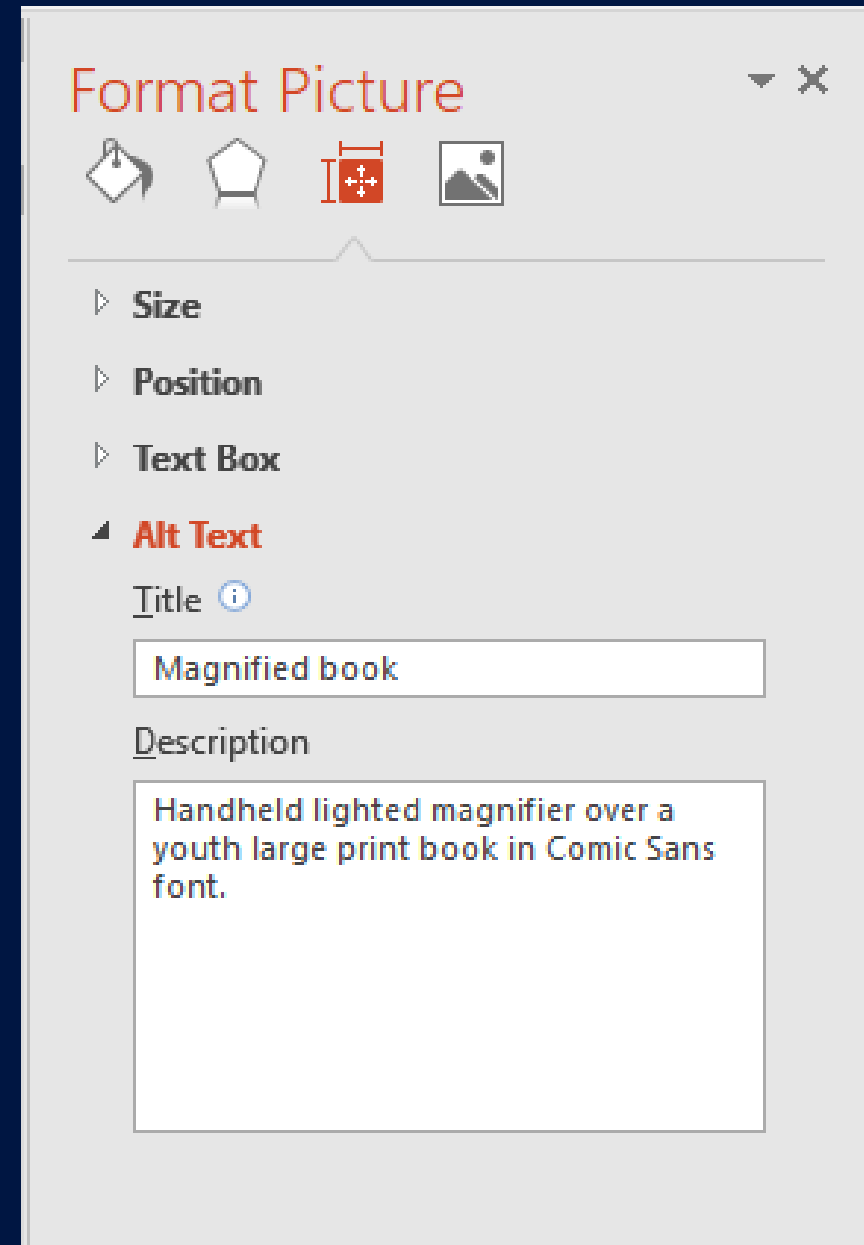
H2 Adult Programming

- [Book Clubs](#)
- [Adult Winter Reading Program](#)
- [Workshops by Conference Call](#)
- [Book Club Kits](#)

Webpage with Headers

Alt-Text

- Enter title & description for each image
- Microsoft Office:
 - Go to Format Picture
 - Select “Size and Properties”
 - Also works for Format Shape
- Google Suite:
 - Right click on image
 - Select Alt-Text
- WordPress:
 - Go To Media Library
 - Select graphic and click “Edit” at top of page



Alt-Text

- **Don't forget about social media!**

- **Facebook:**

- Has an auto-generated version, but add your own to the post's text

- Another option is to override the text:

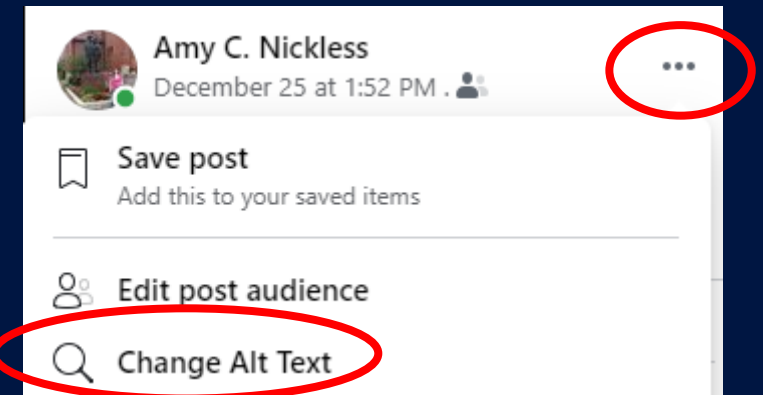
1. Go to the photo and click the ... by the creator's name →
2. Select "Change Alt Text" and add description →

- **Instagram**

- Auto-generated, but can be overridden

1. Go to the photo and click the ...
2. Select "Edit Alt Text" and add description

• The Christmas Thief (DB058834, BR015551, LP031741)
[Image: Santa Claus sitting at a desk wrapping book shaped presents]



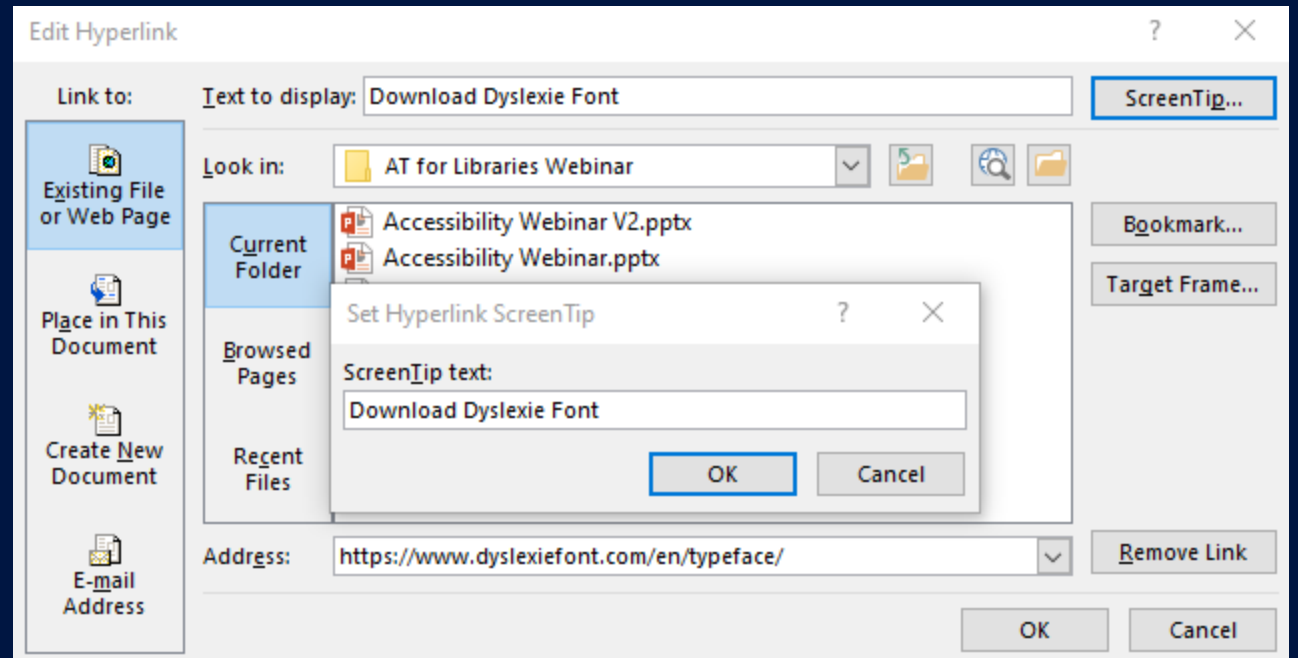
Alt-Text

- Don't forget about social media!
 - Twitter:
 1. Add photo
 2. Select "Add Description"



Alt-Links

- **Microsoft Office:**
 - Right click → Edit Hyperlink
 - Add or modify “text to display”
 - Add ScreenTip
- **Google Suite:**
 - Right click link
 - Add or modify text
- **WordPress:**
 - Insert/Edit Link
 - Add Link Text







Ensure Good Contrast

- **Minimum Level: 3:1 (A)**
- **Middle Level: 4.5:1 (AA)**
- **Highest Level: 7:1 (AAA)**
- **Example of this slide →**

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFFFFF 
Lightness 



Background Color
#001642 
Lightness 



Contrast Ratio
17.59:1

[permalink](#)

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFFF00 
Lightness 

Background Color
#000000 
Lightness 

Contrast Ratio
19.55:1

[permalink](#)

Ensure Good Contrast

- Can be checked at:
<https://webaim.org/resources/contrastchecker/>
- If you need to determine hex code first:
<https://imagecolorpicker.com/en/>

IMAGECOLORPICKER.COM

...pick your color online

Color Picker

Click on the image to get the html codes..

Use the online image color picker right to select a color and get the HTML Color Code of this pixel. Also you get the HEX color code value, RGB value and HSV value. You can put a picture url in the textbox below or upload your own image. (for example an screenshot of your desktop). Or use an website url, you will see a thumbnail on the right side.

HTML/HEX code: #001642

RGB code: rgb(0, 22, 66)

[show more](#)

Dominant color:

Palette:

Simulate Vision Issues

- NoCoffee Vision Simulator extension for Chrome

The screenshot shows the NoCoffee Vision Simulator interface with the following settings:

- Pervasive issues:** Blur (low acuity), Contrast loss, Glare, Ghosting, Snow, Cloudiness (cataracts), Flutter (nystagmus), and Color deficiency (set to None).
- Blocked visual field:** Normal (selected), Central (macular degeneration), Peripheral (glaucoma, retinitis pigmentosa), Corner (retinal detachment), Side (hemianopia), Large spots (diabetic retinopathy), and Floaters.
- Strength and size:** A slider set to 40.

The background shows the 'Access Garage' website with a 'Top News story' section and a 'RECENT POSTS' list.

Normal Vision

The screenshot shows the NoCoffee Vision Simulator interface with the following settings:

- Pervasive issues:** All sliders are set to 0, and Color deficiency is set to None.
- Blocked visual field:** Central (macular degeneration) (selected), Normal, Peripheral (glaucoma, retinitis pigmentosa), Corner (retinal detachment), Side (hemianopia), Large spots (diabetic retinopathy), and Floaters.
- Strength and size:** A slider set to 40.

The background shows the 'Access Garage' website with a 'NoCoffee - Vision Simulator for Chrome' section and a 'RECENT POSTS' list.

With Macular Degeneration

ARIA

- **ARIA stands for Accessible Rich Internet Applications Suite**
 - **Helps to make online content more accessible**
 - **Includes:**
 - **Mark-ups to create hidden menu options for screenreader use**
 - **Adds coding to operate forms or read tables**
 - **Can allow screen readers to use JavaScript**
 - **Needs to be built into the webpage HTML**
 - **Most likely used by web developers**

Audio Description and Captions

- **Audio Description**
 - For those with visual loss
 - Adds a sound overlay to describe visuals
- **Audio Captions**
 - For those with hearing loss
 - Adds a text overlay that shows what is heard



IMSTVUK's *Frozen Trailer with Audio Description*

Websites that Check for Accessibility

- Websites that check webpages for accessibility:

- aXe: <http://www.deque.com/products/axe/>

- Free Chrome extension

- WAVE: <http://wave.webaim.org/>

- Free to use
- Offers paid options for testing entire websites

- Example →

- Tenon: <http://www.tenon.io/>

- Assorted pricing plans

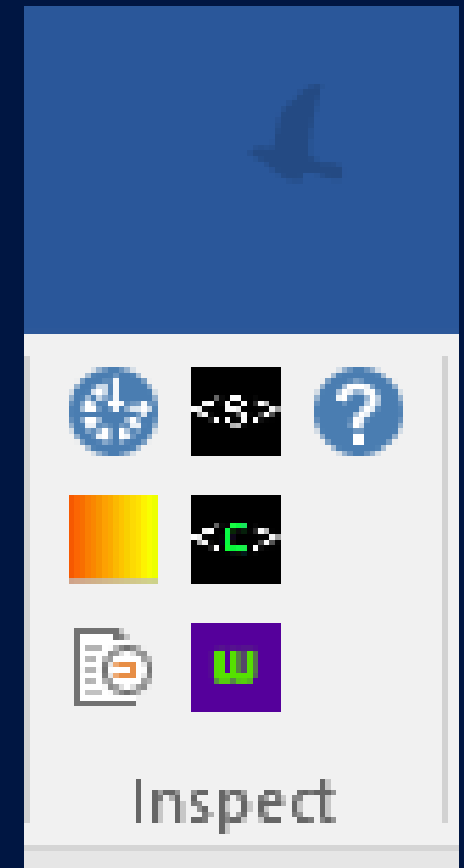
The image shows a composite of two screenshots. On the left is the WAVE (Web Accessibility Evaluation Tool) interface. It displays the address 'https://www.sos.mo.gov/wolfner/programm' and a summary of accessibility issues: 1 Error, 15 Alerts, 9 Structural Elements, 0 Contrast Errors, 23 Features, and 5 ARIA issues. On the right is a screenshot of a website for John R. Ashcroft, Missouri Secretary of State. The website has several accessibility overlays, including a 'Contact Us' button, 'Accessibility Info' button, and various social media links. A red box highlights a 'presentation' role on the page. The website content includes a 'WOLFNER' library section with links like 'Apply for Services', 'Find Books and Other Materials', and 'Youth Services'. Below that is a 'Programming' section with an 'h2 Adult Programming' sub-section listing 'Book Clubs', 'Adult Winter Reading Program', and 'Workshops by Conference Call'.

Document Accessibility

Assistive Technology for Libraries

Word Accessibility

- **Vision Australia's Document Access Toolbar**
 - **Inspect (counterclockwise from top left)**
 - Microsoft's Accessibility Checker
 - Color Contrast Checker
 - Document Inspector
 - WORDS Screenreader Demo
 - Copy HTML
 - Save as HTML
 - The ? is the Vision Australia User Guide link

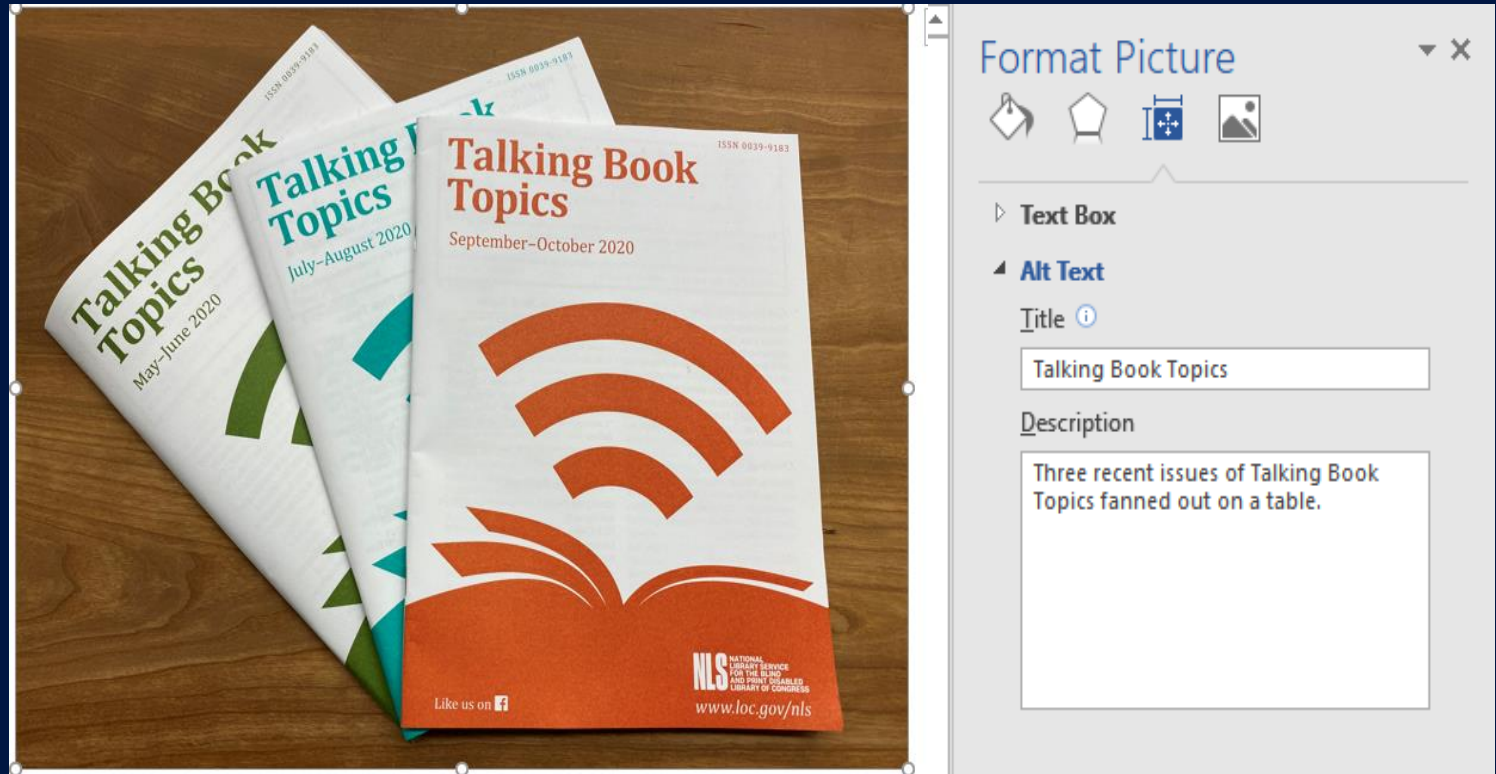


Word Accessibility

- **Manually**

- **Adding Alt-Text**

1. Insert image
2. Right click
3. Format picture
4. Layout & Properties
5. Alt Text
6. Add title and description



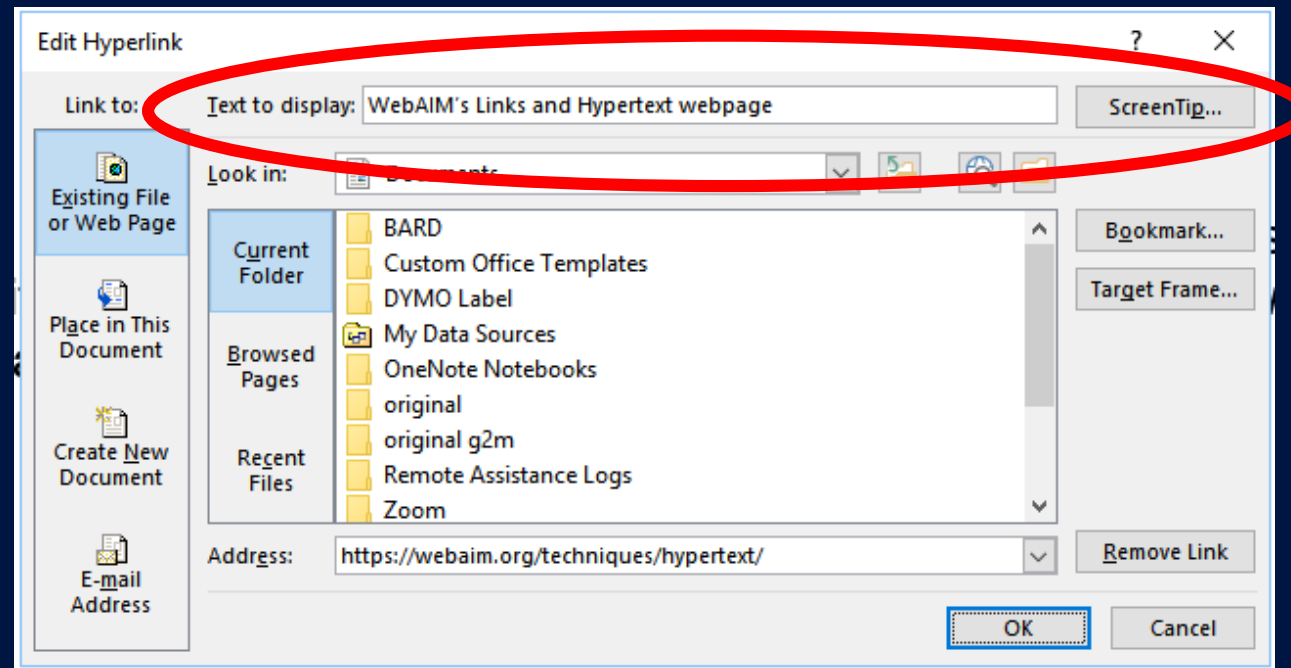
Word Accessibility

- **Manually**

- **Hyperlinks**

1. Insert the hyperlink
2. Right click to select edit hyperlink
3. Edit “Text to Display” to reflect the linked page
4. Add ScreenTip
 1. Should be phrased similar to the displayed text, but shorter if possible

To learn more about how to create accessible hyperlinks, visit [WebAIM's Links and Hypertext webpage](#). Never, ever write please [click here](#).

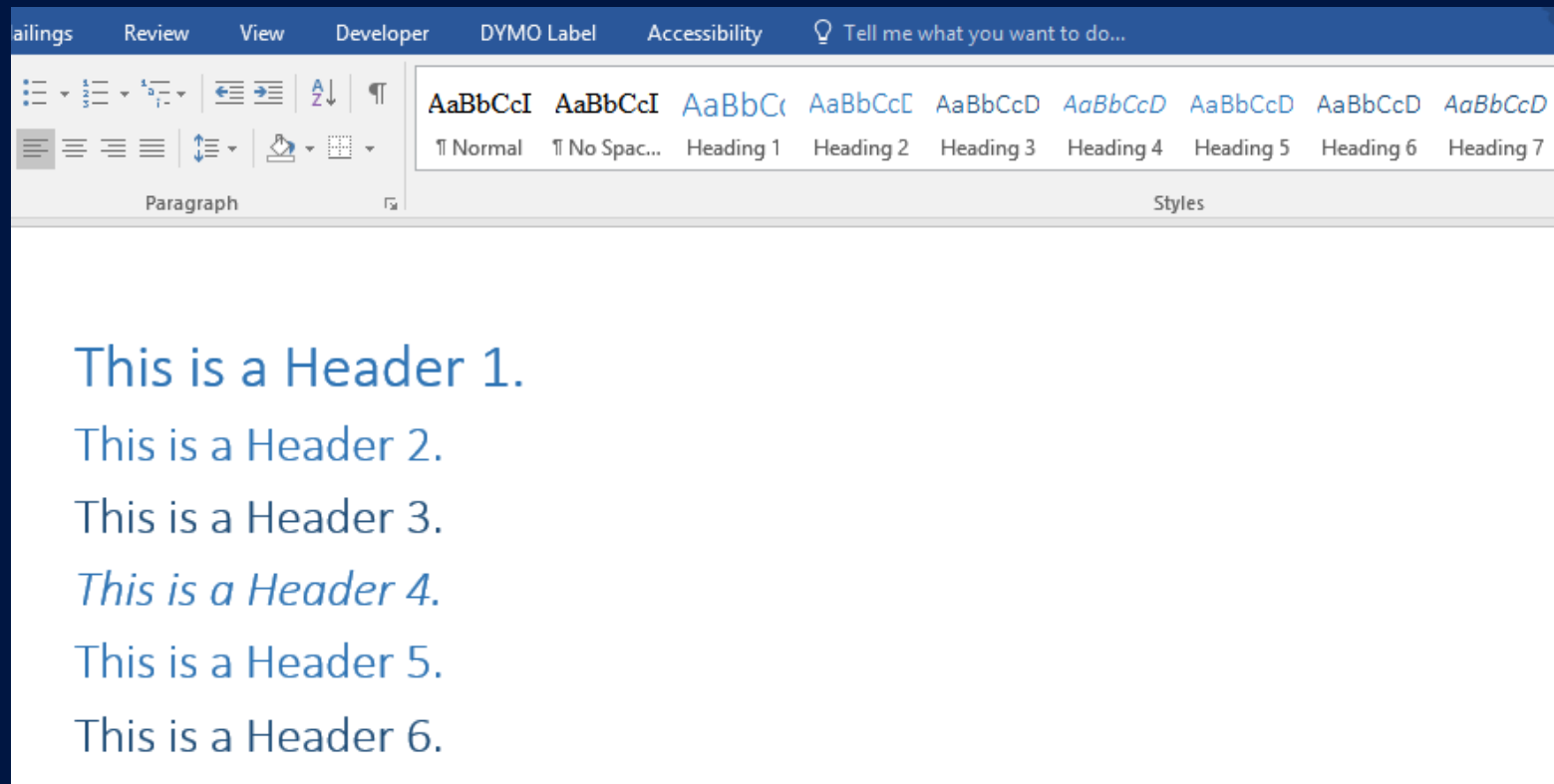


Word Accessibility

- **Manually**

- **Headers**

1. Home Tab
2. Styles
3. Add Header 1
4. Add subsequent headers
5. Never go beyond a Header 6!



Word Accessibility

- **Manually**
 - **Check for Issues**
 1. **File**
 2. **Inspect document** → **Check for Issues**
 3. **Check Accessibility**
 4. **Once the Inspection Report Appears**
 1. **Select each identified issue**
 1. **Will list why it needs fixed and how to fix**
- **Only works with .docx files**

The screenshot displays the Microsoft Word ribbon with the 'Info' tab selected. The ribbon includes a back arrow icon, and the following options: Info, New, Open, Save, Save As, Print, Share, Export, Close, Account, and Options. The 'Info' tab content is visible, featuring three main sections: 'Protect Document' (with a padlock icon), 'Inspect Document' (with a document icon and a checkmark), and a dropdown menu for 'Check for Issues'. The 'Check for Issues' dropdown menu is open, showing three options: 'Inspect Document' (Check the document for hidden properties or personal information.), 'Check Accessibility' (Check the document for content that people with disabilities might find difficult to read.), and 'Check Compatibility' (Check for features not supported by earlier versions of Word.).

Word Accessibility

- **Other Tips:**
 - **For spaces between lines use Breaks**
 - Using Enter instead reads “Blank” for each use in JAWS
 - **Avoid tables whenever possible**
 - If necessary, use the DAT
 - JAWS may not read table correctly otherwise*
 - **For lists:**
 - **Bullets: Only use for items with no particular order**
 - JAWS reads “bullet” before items
 - **Numbered: Use only for ordered lists**
 - JAWS will read numbers before the items

Accessible Public Access Computers

Assistive Technology for Libraries

JAWS (Job Access With Speech)

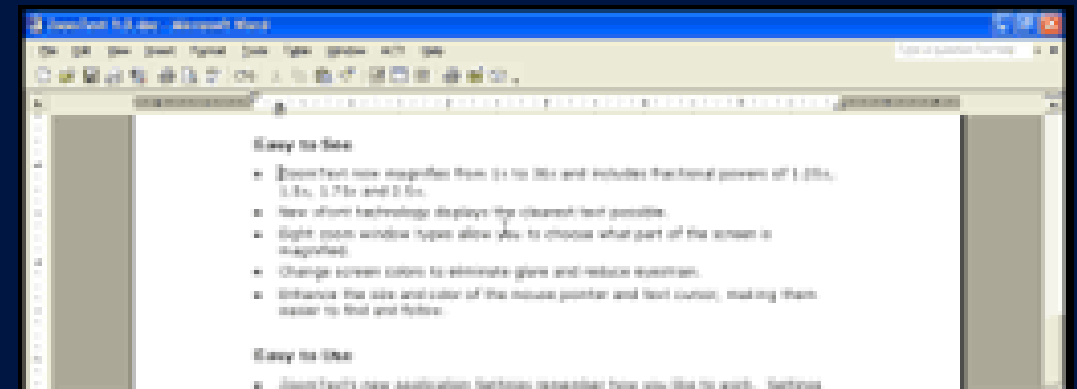
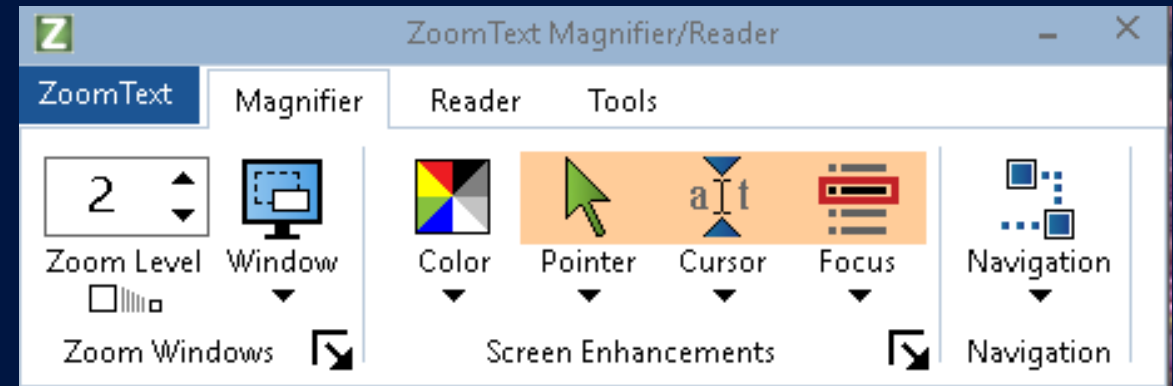
- **Screenreader software**
 - **Most popular program of type**
 - **For those with vision loss and physical disabilities**
 - **Fully navigate via keyboard**
 - **Allows for braille output**
 - **Works with all browsers**
 - **PC only**



JAWS User from Freedom Scientific's website

ZoomText

- **Magnifier/Reader software**
 - Designed for low-vision users
 - Magnify up to 36x
 - Reads text (option to disable)
 - **Display choices:**
 - High contrast themes
 - Make cursor more noticeable
 - Pointer large and contrasted



Easy to See

- ZoomText now magnifies from 1x to 36x and includes fractional powers of 1.25x, 1.5x, 1.75x and 2.5x.
- New xFont technology displays the clearest text possible.

Top: ZoomText Menu

Bottom: Zoomtext screenshot from one of their tutorials

Fusion



Screenshot from Freedom Scientific's website

- **Combines JAWS and ZoomText**
 - **All the features of both!**

Built in Windows Tools

- Settings → Ease of Access
 - Change text size

The screenshot shows the Windows Settings application. On the left, the 'Ease of Access' category is selected, and the 'Display' option is highlighted. The main content area shows the 'Display' settings page. At the top, it says 'Display' and 'Make your display easier to see.' Below this, there are three main sections: 'Make everything bigger', 'Make everything brighter', and 'Simplify and personalize Windows'. The 'Make everything bigger' section includes a dropdown menu for 'Change the size of apps and text on the main display' set to '100% (Recommended)', and two links for other displays and cursor settings. The 'Make everything brighter' section has a link for 'Change brightness automatically or use night light'. The 'Simplify and personalize Windows' section includes three toggle switches for 'Show animations in Windows', 'Show transparency in Windows', and 'Automatically hide scroll bars in Windows', all of which are turned 'On'. There is also a dropdown for 'Show notifications for' set to '5 seconds' and a toggle for 'Show desktop background image' which is 'On'. At the bottom, there is a link to 'Personalize your background and other colors'.

Built in Windows Tools

- Settings → Ease of Access
 - Change the cursor size and color

The screenshot shows the Windows Settings application with the 'Ease of Access' category selected. The 'Cursor & pointer size' settings are expanded, showing options to adjust cursor thickness, pointer size, and color, as well as touch feedback settings.

Home

Find a setting

Ease of Access

Vision

Display

Cursor & pointer size

Magnifier

Color filters

High contrast

Narrator

Hearing

Audio

Closed captions

Interaction

Speech

Cursor & pointer size

Make pointer, cursor, and touch feedback easier to see.

Make the cursor easier to see when typing

Change cursor thickness

abc

Change pointer size and color

Change pointer size

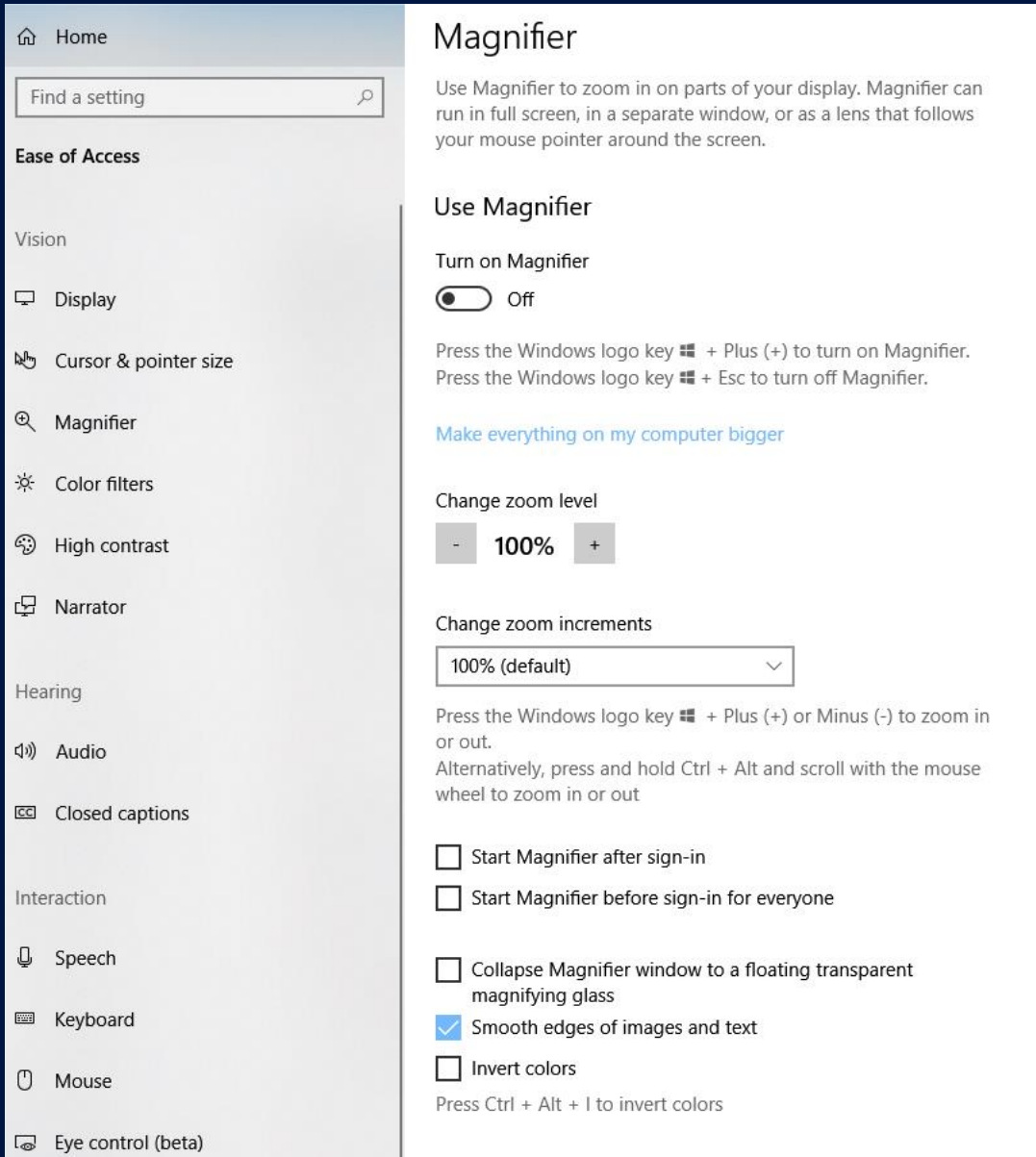
Change pointer color

Change touch feedback

Show visual feedback around the touch points when I touch the screen

On

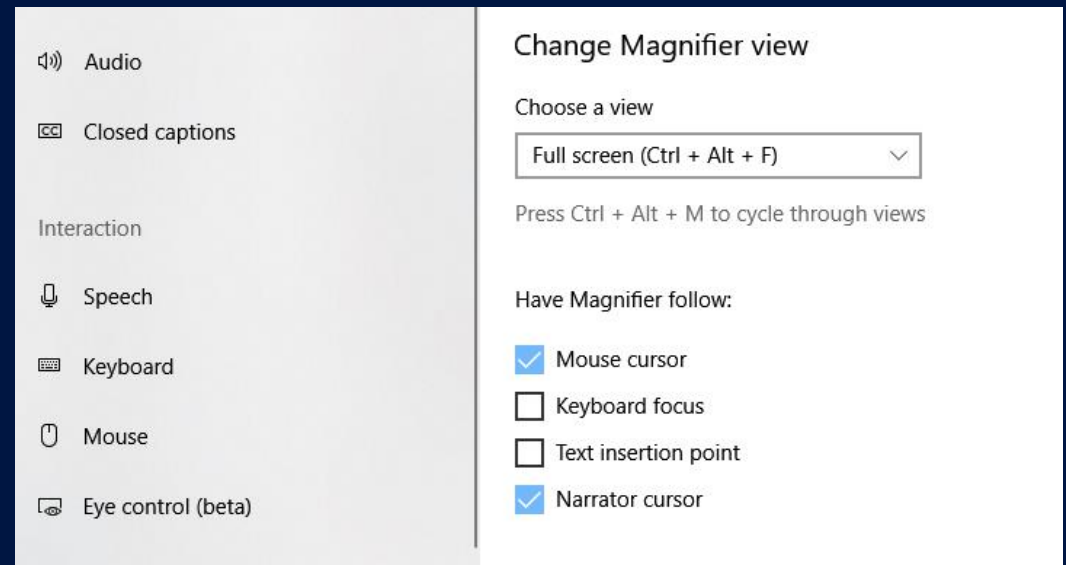
Make visual feedback for touch points darker and larger



Top ¾ of screen

Built in Windows Tools

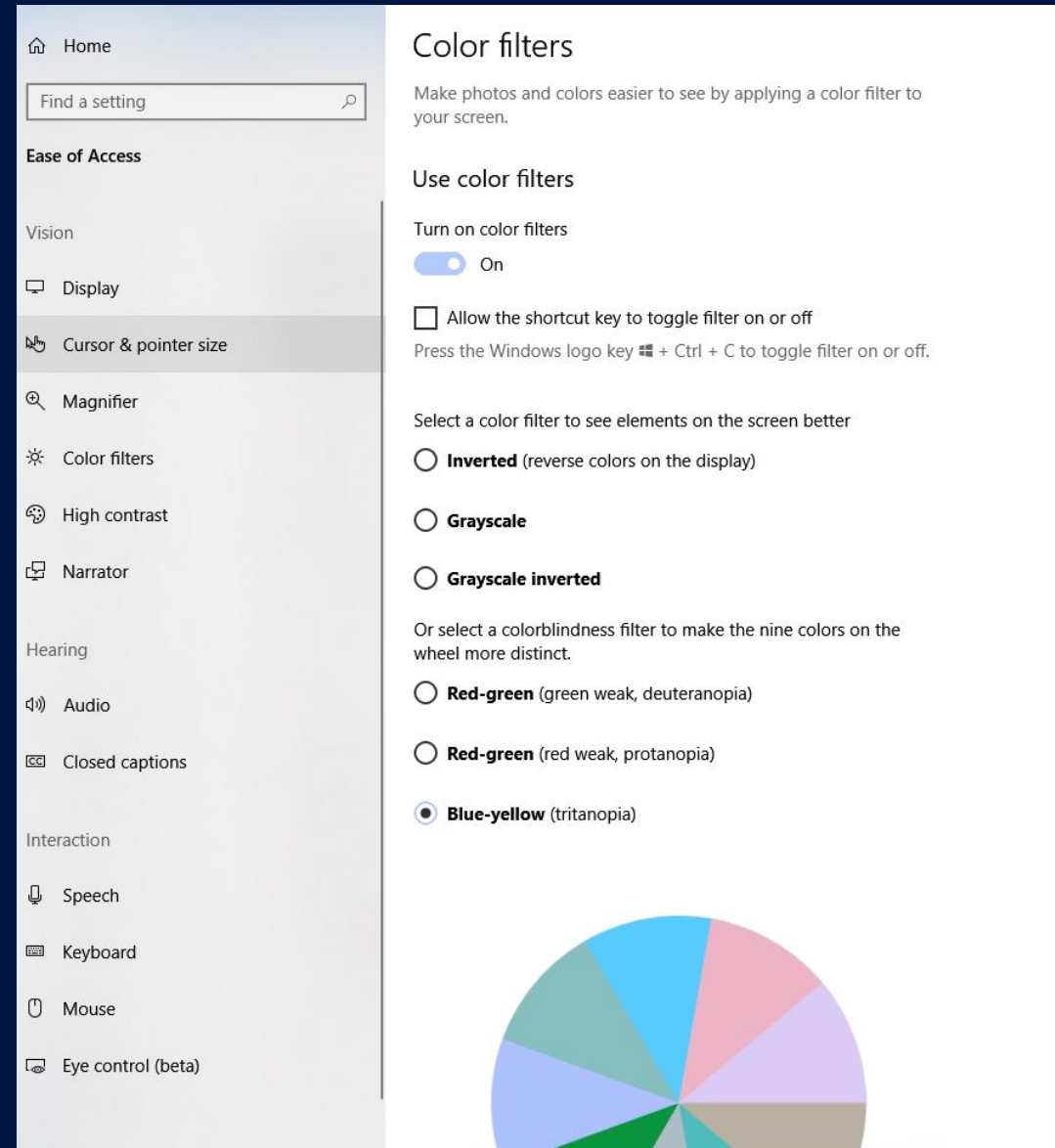
- Settings → Ease of Access
- Magnifier



Bottom ¼ of screen

Built in Windows Tools

- Settings → Ease of Access
 - Color filters



The screenshot displays the Windows Settings application. On the left, the 'Ease of Access' category is expanded, showing various options like Vision, Display, and Magnifier. The 'Color filters' option is selected. The main content area shows the 'Color filters' settings page. It includes a search bar, a toggle for 'Use color filters' which is turned 'On', and a checkbox for 'Allow the shortcut key to toggle filter on or off'. Below this, there are three radio button options for color filters: 'Inverted', 'Grayscale', and 'Grayscale inverted'. At the bottom, there are three radio button options for colorblindness filters: 'Red-green (green weak, deuteranopia)', 'Red-green (red weak, protanopia)', and 'Blue-yellow (tritanopia)'. A color wheel diagram is visible at the bottom right of the page.

Home

Find a setting

Ease of Access

Vision

Display

Cursor & pointer size

Magnifier

Color filters

High contrast

Narrator

Hearing

Audio

Closed captions

Interaction

Speech

Keyboard

Mouse

Eye control (beta)

Color filters

Make photos and colors easier to see by applying a color filter to your screen.

Use color filters

Turn on color filters

On

Allow the shortcut key to toggle filter on or off
Press the Windows logo key **⊞** + Ctrl + C to toggle filter on or off.

Select a color filter to see elements on the screen better

Inverted (reverse colors on the display)

Grayscale


Grayscale inverted

Or select a colorblindness filter to make the nine colors on the wheel more distinct.

Red-green (green weak, deuteranopia)

Red-green (red weak, protanopia)

Blue-yellow (tritanopia)



Built in Windows Tools

- Settings → Ease of Access
 - High Contrast Themes
 - High Contrast White →

The screenshot displays the Windows Settings application. On the left, the 'Ease of Access' category is selected, and the 'High contrast' option is highlighted. The main pane shows the 'High contrast' settings. At the top, it says 'High contrast' and 'Make text and apps easier to see by using more distinct colors.' Below this, there is a section 'Use high contrast' with a toggle switch labeled 'Turn on high contrast' which is currently turned 'On'. A note below the toggle states: 'Press left Alt + left Shift + Print Screen to turn high contrast on and off.' Underneath, there is a 'Choose a theme' dropdown menu set to 'High Contrast White'. The bottom section is titled 'Select a colored rectangle to customize high contrast colors' and contains a grid of color swatches for 'Text' (black), 'Hyperlinks' (blue), 'Disabled Text' (dark red), 'Selected Text' (purple), 'Button Text' (white), and 'Background' (white). At the bottom right of this section are 'Apply' and 'Cancel' buttons.

Built in Windows Tools

- Settings → Ease of Access
 - High Contrast Themes
 - High Contrast Black →
 - Plus two other dark high contrast themes

The screenshot shows the Windows Settings application with the 'High contrast' settings page open. The left sidebar lists various settings categories, with 'High contrast' selected. The main content area shows the 'High contrast' settings, including a toggle for 'Use high contrast' which is turned on. Below this, there is a list of high contrast themes: 'High Contrast #1', 'High Contrast #2', 'High Contrast Black' (which is highlighted), and 'High Contrast White'. A note indicates that pressing left Alt + left Shift + Print Screen will turn high contrast on and off. Below the theme list, there are color selection boxes for 'Text', 'Hyperlinks', 'Disabled Text', 'Selected Text', 'Button Text', and 'Background'. At the bottom, there are 'Apply' and 'Cancel' buttons.

Settings

Home

Find a setting

Ease of Access

Vision

Display

Cursor & pointer size

Magnifier

Color filters

High contrast

Narrator

Hearing

Audio

Closed captions

Interaction

Speech

Keyboard

Mouse

Eye control (beta)

High contrast

Make text and apps easier to see by using more distinct colors.

Use high contrast

Turn on high contrast

On

Press left Alt + left Shift + Print Screen to turn high contrast on and off.

High Contrast #1

High Contrast #2

High Contrast Black

High Contrast White

Select a colored rectangle to customize high contrast colors

Text

Hyperlinks

Disabled Text

Selected Text

Button Text

Background

Apply

Cancel

Built in Windows Tools

- Settings → Ease of Access
 - Narrator

The screenshot shows the Windows Settings application with the 'Ease of Access' category selected in the left sidebar. The 'Narrator' option is highlighted. The main content area displays the 'Narrator' settings page, which includes a description of the tool, a toggle switch for 'Use Narrator' (currently off), a checked checkbox for 'Allow the shortcut key to start Narrator', and instructions on how to use the Windows logo key + Ctrl + Enter shortcut. Below this, there are options to 'Choose when to start Narrator', with checkboxes for 'Start Narrator after sign-in' and 'Start Narrator before sign-in for everyone'. The 'Sync settings' section has a button for 'Use current settings before sign-in'. The 'Personalize Narrator's voice' section features a dropdown menu for voice selection (currently set to 'Microsoft David - English (United States)') and sliders for adjusting voice speed and pitch.

Home

Find a setting

Ease of Access

Vision

- Display
- Cursor & pointer size
- Magnifier
- Color filters
- High contrast
- Narrator**

Hearing

- Audio
- Closed captions

Interaction

- Speech
- Keyboard
- Mouse
- Eye control (beta)

Narrator

Use Narrator to control your device. Narrator reads elements on the screen and can be controlled by keyboard, touch, and mouse.

Use Narrator

Use Narrator to read and interact with your device

Off

Allow the shortcut key to start Narrator

Press the Windows logo key **⊞** + Ctrl + Enter to turn Narrator on or off.

[Learn how to use Narrator](#)

Choose when to start Narrator

Start Narrator after sign-in

Start Narrator before sign-in for everyone

Sync settings

Let everyone use my settings before sign-in. Recommended if you want to use a serial braille display before sign-in.

[Use current settings before sign-in](#)

Personalize Narrator's voice

Choose a voice

Microsoft David - English (United States) ▾

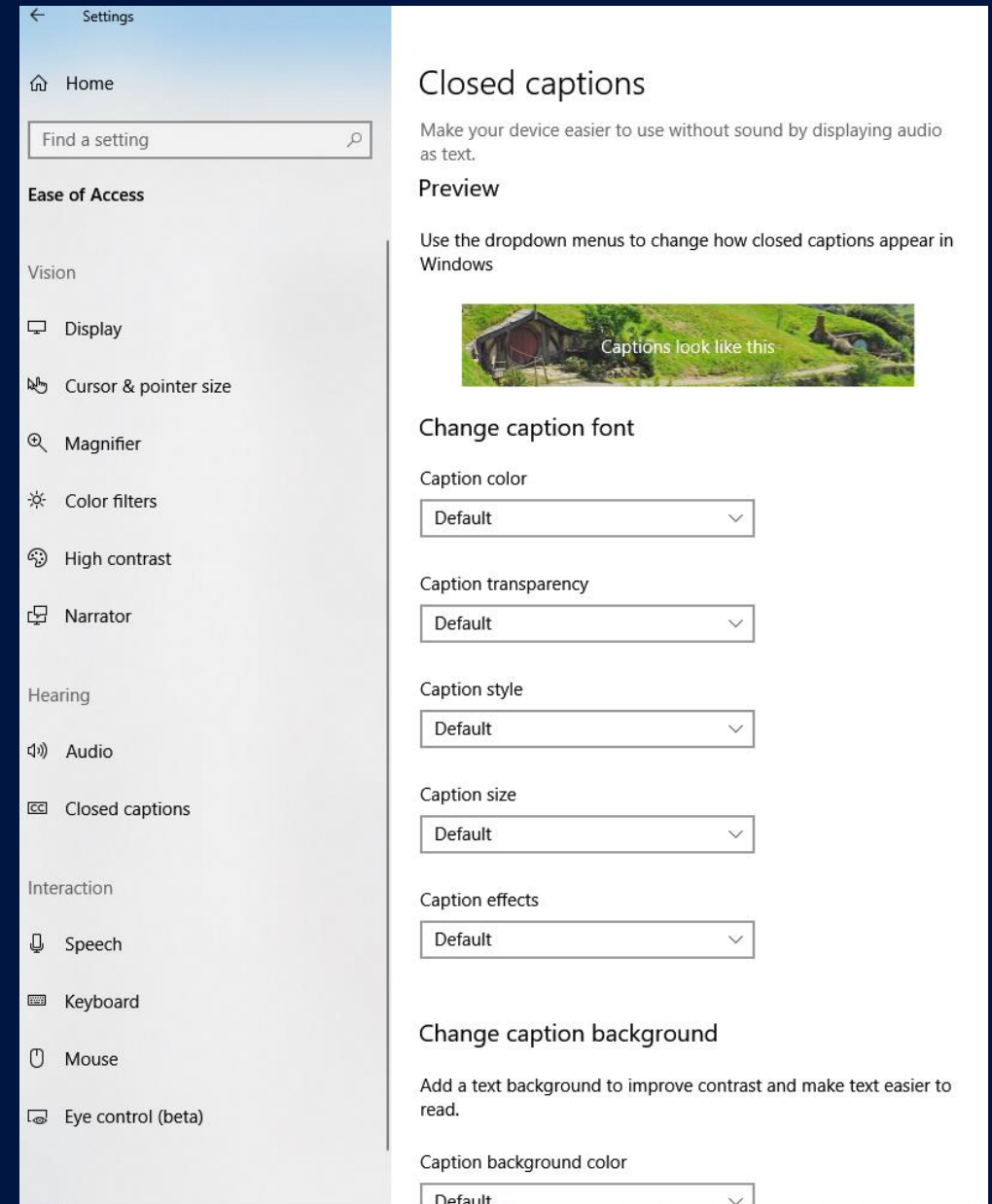
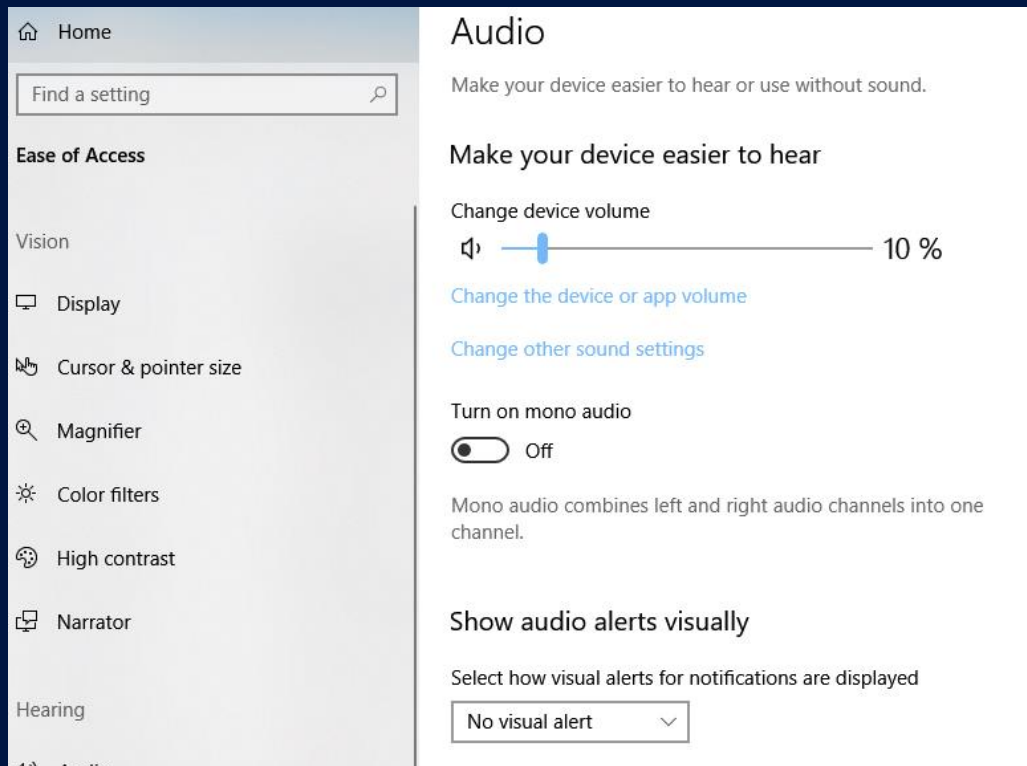
[Learn how to add more voices](#)

Change voice speed

Change voice pitch

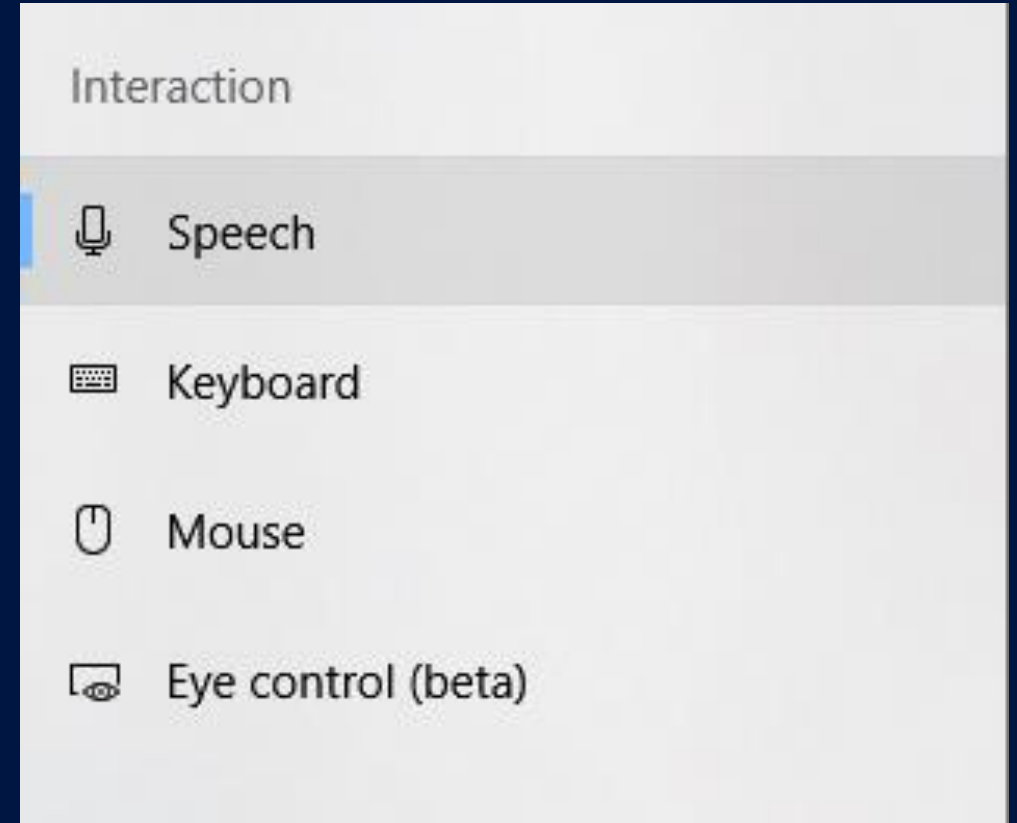
Built in Windows Tools

- Settings → Ease of Access
 - Hearing Options



Built in Windows Tools

- **Settings → Ease of Access**
 - **Interaction**
 - **Speech: Cortana and Dictate**
 - **Keyboard: On-screen keyboard, sticky keys, toggle keys, filter keys**
 - **Mouse: Use numeric keypad to move mouse pointer**
 - **Eye Control: Requires connected device**



Smart Device Accessibility

Assistive Technology for Libraries

Apple Device Accessibility

- **VoiceOver:**
 - Narrates content on screen
 - Can connect to a refreshable braille display
 - Rotor
- **Zoom:**
 - Magnifies screen
 - Adjustable
 - Full screen or window option



Apple Device Accessibility

- **Other Options:**
 - **Adjust display and text size**
 - **Increase Contrast**
 - **Invert Colors**
 - **Color Filters**
 - **Bold Text**
 - **Large Cursor**
 - **Reduce motion**
 - **Sticky and Slow Keys**



Android Device Accessibility

- **TalkBack:**
 - Voice Assistant
 - Screen Zoom and Font
 - Magnifier Window
 - Invert Colors
- **Other for Android 11:**
 - Live Transcribe
 - Lookout
 - Braille Keyboard



Features of Smart Device Accessibility

Feature	Windows	Apple	Android
Screen Reader	Narrator	VoiceOver	TalkBack
Screen Magnifier	Magnifier	Zoom	Magnifier Window
Change visuals	Display, Cursor & Pointer Size, High Contrast	Display, Text Size, Increase Contrast, Dark mode, Invert Colors, Color Filters	Display, Text Size, High Contrast
Voice and Switch Control Options	Cortana for Voice Control, Switch Control	Voice Control, Switch Control	Switch Control, Voice Access (download app)
Software for hearing issues, including Visual Alerts	Yes	Yes, hearing aid compatible & RTT/TYY	Android 10 and higher hearing aid compatible
Audio Description available	Depends on video settings	Automatically plays if enabled on video	n/a
Auto captioning available	Yes, depending on video settings	Yes, depending on video settings	Yes, depending on video settings. Can record and add captions.

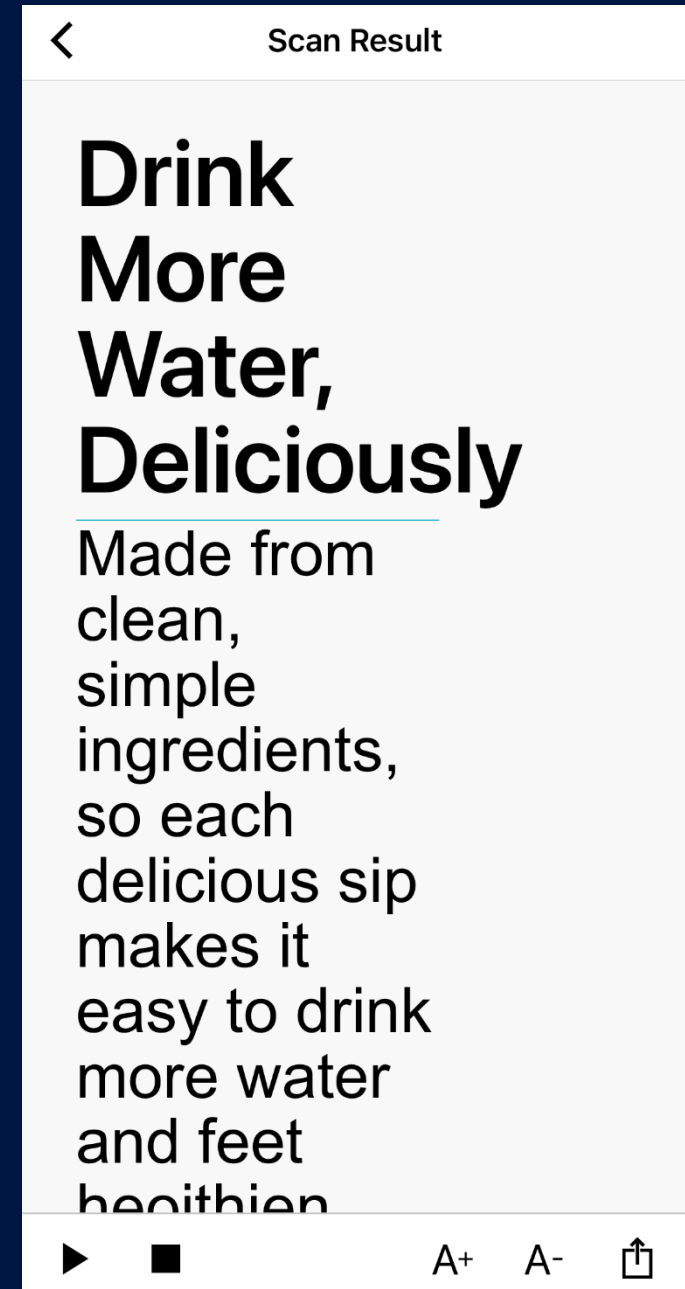
Seeing AI

- **FREE** Microsoft-produced app for Apple products
- App can narrate things in the world around the user
- Available in 8 languages, including English and Spanish



Seeing AI

- **Features:**
 - **Short Text** (immediately reads text)
 - **Documents** (scan and read printed page)→
 - **Products** (scan barcode to recognize)
 - **Person** (recognize people around you)



Seeing AI

- Features:
 - Scene (describes environment)→
 - Currency Reader
 - Light detector
 - Color detector
 - Handwriting reader



Probably a room with a chair and a desk

Accessible Digital Resources

Assistive Technology for Libraries

Check the Website/Resource Yourself

- Look for an accessibility webpage, often found on the bottom menu
 - This page often features:
 - Information for navigating with a screenreader
 - A point-of-contact for accessibility issues
 - Their latest accessibility report if available
 - A Section 508 and/or ADA disclaimer

Accessibility - Navigation Guide

EBSCO is committed to providing positive experiences for all users. Accessibility is a key consideration in all our product development strategies. Contact accessibility@ebSCO.com with accessibility questions. For Voluntary Product Accessibility Template® (VPAT®) requests, email support@ebSCO.com.

EBSCOhost provides several accessibility features to allow users to navigate the website.

- Landmarks – these define the page structure, like navigational areas and the main content
- Headings – these denote the beginning of sections of content
- Access Keys – these allow you to jump to different portions of the page

Access Keys for EBSCO Discovery Service/EBSCOhost include:

- Access Key + 0 – Jump to the Help link
- Access Key + 2 – Jump to the Search box

Tips for Navigating

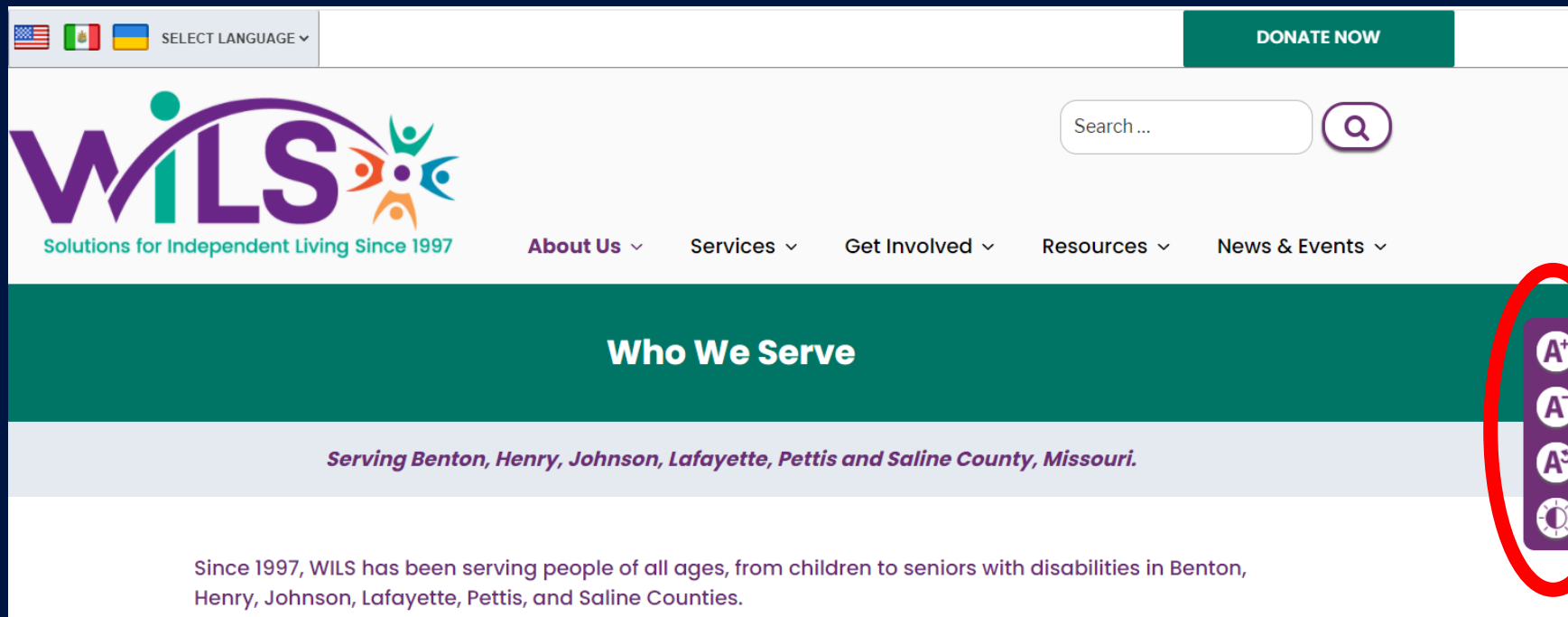
Below are some tips for navigating the site using a screen reader and select browsers.

How do I get to...	NVDA and Firefox Steps	NVDA and Chrome Steps	JAWS and IE Steps
Help	Shift+Alt+0	Alt+0	Alt+0
Search Box	Shift+Alt+2	Alt+2	Alt+2
First Title in Result List from Search box	Tab. Then H2. Then H3. Use H3 to jump to all subsequent article titles.	Tab. Then h2. Then h3. Use H3 to jump to all subsequent article titles.	Alt+1. Then h3. Use H3 to jump to all subsequent article titles.
Refine Search from within Search box	Tab. Then h2 2 times. Then Tab through options. Then enter to expand filter. Then use spacebar to select a specific filter option.	Tab. Then h2 2 times. Then Tab through options. Then enter to expand filter. Then use spacebar to select a specific filter option.	Tab. Then h2 2 times. Then Tab through options. Then enter to expand filter. Then use spacebar to select a specific filter option.
Full Text from Results List article title	Tab to PDF or HTML link. Then select Enter.	Tab to PDF or HTML link. Then select Enter.	Tab to PDF or HTML link. Then select Enter.
PDF Full Text from Detail Page	H2. Then h3. Then h3. Then Shift+Tab	H2. Then h3. Then h3. Then Shift+Tab	H2. Then h3. Then h3. Then Shift+Tab
HTML Transcript (text to speech)	Shift+Alt+L	Alt+L	Alt+L
Save PDF, once opened	Insert+F7. Then Select 'PDF Download'. Then select Enter. Then Control+S	Insert+F7. Then Select 'PDF Download'. Then select Enter. Then Control+S	Insert+F7. Then Select 'PDF Download'. Then select Enter. Then Control+S
Export and Cite options from Detail Page	h2 for 'Tools' section. Then Tab to option	h2 for 'Tools' section. Then Tab to option	h2 for 'Tools' section. Then Tab to option

EBSCOhost Accessibility Navigation Guide

Check the Website/Resource Yourself

- There could also be highly visible built-in accessibility tools, including:
 - Contrast options
 - Options to increase/decrease font size



The screenshot shows the header of the WILS website. At the top left, there is a language selection menu with flags for the United States, Mexico, and Ukraine, and the text "SELECT LANGUAGE". To the right is a green "DONATE NOW" button. Below the language menu is the WILS logo, which consists of the letters "WILS" in purple and green, with a colorful graphic of three stylized figures. Underneath the logo is the tagline "Solutions for Independent Living Since 1997". To the right of the logo is a search bar with the text "Search ..." and a magnifying glass icon. Below the search bar is a navigation menu with the following items: "About Us", "Services", "Get Involved", "Resources", and "News & Events", each with a downward arrow. Below the navigation menu is a green banner with the text "Who We Serve". Below the banner is a light gray banner with the text "Serving Benton, Henry, Johnson, Lafayette, Pettis and Saline County, Missouri." At the bottom of the page, there is a paragraph of text: "Since 1997, WILS has been serving people of all ages, from children to seniors with disabilities in Benton, Henry, Johnson, Lafayette, Pettis, and Saline Counties." On the right side of the page, there is a vertical menu of accessibility options, which is circled in red. The options are: "A+", "A-", "A⁰", and a sun icon.

← Often these options are in the header menu or one side of the screen

Selecting Databases & eBook Platforms

- **General Tips:**
 - Include accessibility in the conversation with vendors from the start
 - Keep bringing accessibility up in conversations
 - Review all products for accessibility before procuring/renewing a product
 - Ask questions that go beyond the VPAT (Voluntary Product Accessibility Template)
 - Report accessibility issues to vendor

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p>1.1.1 Non-text Content (Level A)</p> <p>Also applies to:</p> <p>EN 301 549 Criteria</p> <ul style="list-style-type: none"> • 9.1.1.1 (Web) • 10.1.1.1 (Non-web document) • 11.1.1.1.1 (Open Functionality Software) • 11.1.1.1.2 (Closed Functionality Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) <p>Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Partially Supports</p> <p>Content: Partially Supports</p>	<p>Most active images (links or buttons) and other static images have alt-text. However there are some exceptions In-context help icon, Share icons (Facebook etc.), document-level images in results list</p> <p>Folder icon shows that items are in folder by image but not in text/state</p> <p>Some PDF documents contain images and figures that do not have captions. As an aggregator we do not have permissions to edit documents so can only include what is provided.</p>
<p>1.2.1 Audio-only and Video-only (Prerecorded) (Level A)</p> <p>Also applies to:</p> <p>EN 301 549 Criteria</p> <ul style="list-style-type: none"> • 9.1.2.1 (Web) • 10.1.2.1 (Non-web document) • 11.1.2.1.1 (Open Functionality Software) • 11.1.2.1.2.1 and 11.1.2.1.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) <p>Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	<p>Web: Supports</p> <p>Content: Supports</p>	
<p>1.2.2 Captions (Prerecorded) (Level A)</p>	<p>Web: Supports</p>	

Selecting Databases & eBook Platforms

- Start with basic questions, such as:
 - Is this resource screen-reader accessible?
 - Can the resource be accessed entirely via keyboard operations?
 - Are videos captioned and audio described?
 - Have the pages been formatted to include headers 1-6?
 - Has ARIA been used within the HTML?



Ezsee Low Vision Keyboard;
high contrast and large print
Source: Staples website

Selecting Databases & eBook Platforms

- If the vendor passed the basic questions, move to more advanced questions:
 - How do you test for accessibility?
 - At what stage of development do you test for accessibility?
 - Do you have accessibility experts on your team? If not, do you hire an outside consultant?
 - Do real-end users with disabilities help to design your products? If so, how?

Selecting Databases & eBook Platforms

- If the vendor answered the basic questions, ask more advanced questions:
 - Can you share your latest accessibility report with us?
 - Are the supported accessibility features in your products listed and explained?
 - Does your support staff get trained on accessibility?
 - Where do your designers and developers get accessibility training?

Other Accessibility Considerations

Assistive Technology for Libraries

Making your Building Accessible

- **Signage should be large print and include braille**
- **Have a wheelchair-height counters/tables available**
- **Aisles and restrooms should be wheelchair assessable**
- **Have a ramp into the building and sidewalk cut-outs**
- **Have handicapped parking**
- **Service animals cannot be denied entry**

Other ADA Considerations

- Discrimination based on disability is not allowed
- Aim for accessible programming:
 - Describe visuals during presentations
 - Aim for tactile crafts
 - Show movies with audio description and/or captions on
 - Keep the name of an ASL translator handy
 - Check and see if Wolfner Library offers your library's One Reads or book club titles for shared patrons

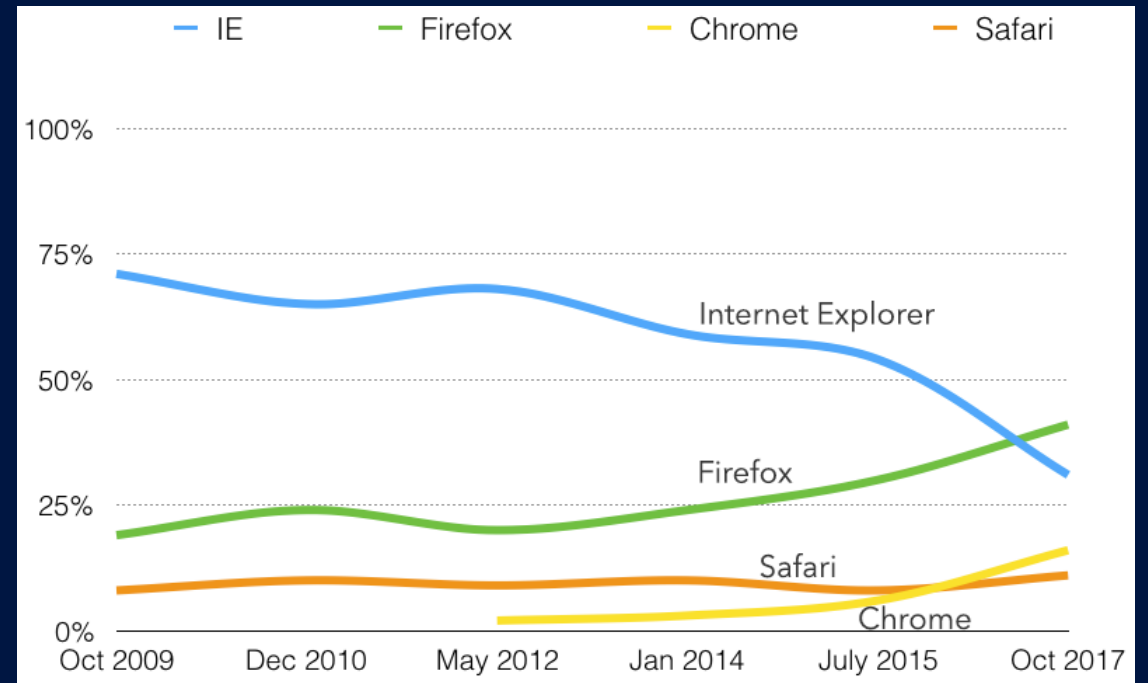


Image source:

<http://plainvanillamom.com/2014/02/valentine-sponge-painting.html>

Most Popular Accessible Browsers

- From a survey conducted by WebAIM in October, 2017, focusing on screenreader users:
 - Firefox: 41%
 - Internet Explorer 11: 23.3%
 - Chrome: 15.5%
 - Safari: 10.5%
 - Microsoft Edge .5%
 - Other: 9.2%



From the 10/17 WebAIM Survey Report

Assistive Technology Programs

- Offers various programs to obtain low or no cost AT devices
 - TAP (Telecommunications Access Program) is most popular
- Missouri Assistive Technology:
 - Offers the regional Power-Up AT Conference yearly
 - Website: <https://at.mo.gov>
- Illinois Assistive Technology Program
 - Website: <https://iltech.org/>

Final Notes

Assistive Technology for Libraries

Presenter Contact Information



Amy Nickless, Adult Services Librarian

- **amy.nickless@sos.mo.gov**
- **573-522-2768 (direct line)**

Connect with Wolfner Library



[@wolfnerlibrary](#)



E-mail Wolfner@sos.mo.gov



Address: 600 West Main Street

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Jefferson City, Missouri 65101

Toll Free: [\(800\) 392-2614](tel:(800)392-2614)

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Questions?