Access Academy

Building Accessible Word Documents

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Access Academy



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Learning Objectives

- Learners will identify which fonts, colors and spacing in Word documents are best for people with low vision.
- Learners will distinguish between headings and styles and experiment with modifying a given document to be accessible for someone using a screen reader.
- Learners will identify what type of structure is needed to make a Word document accessible and how to add structure to documents.
- Learners will create accessible hyperlinks, tables and graphics placed in a Word document.
- Learners will identify how to check Word documents for accessibility and how to export them
 \tag{to PDF while keeping the accessibility.}



VISUAL ACCOMMODATIONS

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Font

Sans serif fonts

- Arial
- Calibri
- Candara
- Corbel
- Tahoma
- Verdana

Size: at least 12 point

Emphasis:

- *Asterisks
- -Dashes
- "Quotes"
- Underlining





Contrast

Plain background with black text

- Off white
- Cream
- Ivory
- Yellow
- Pink

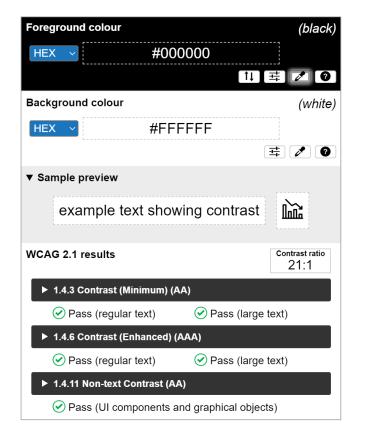
- Look for high contrast
 between background and text
- Check your contrast with the free Colour Contrast
 Analyzer





Create a High Level of Color Contrast

- Ratio of 7:1 for normal text
- Ratio of 4.5:1 for large text
- Download for Windows and Mac
- Might need permissions







The Screen Reader Challenge

To see why creating accessible documents is important,

check out this 3-minute video of a screen reader going

through accessible and inaccessible Word

Documents. And here is an example of a screen

reader going through an inaccessible PDF.



Spacing

Avoid:

- Blank spaces
- Blank lines

Use:

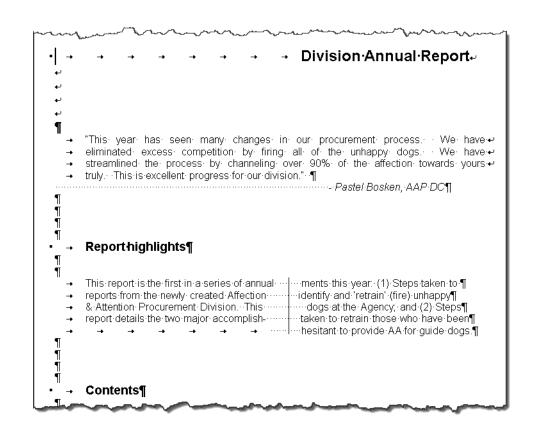
- Indentations
- Line spacing tool
- Styles
- Page breaks
- WYSIWIG (¶)





Examples from Microsoft

Division:Annual-Report¶ "This year has seen many changes in our procurement process. We have eliminated excess competition by firing all of the unhappy dogs. We have streamlined the process by channeling over 90% of the affection towards yours truly. This is excellent progressfor our division." •¶ - Pastel Bosken, AAP DC¶ Report highlights¶ This report is the first in a series of annual (fire)-unhappy-dogs-at-the-Agency;-andreports from the newly-crated Affection & (2) Steps taken to retrain those who Attention Procurement Division This report have been hesitant to provide AA for details the two major accomplishments this guide dogs.¶.....Section Break (Continuous)..... year: (1) Steps taken to identify and retrain' Contents¶







Spacing Tips

- White space creates
 luminance
- Indent 1 inch at margins
- Space 1.5 between lines
- Double space between paragraphs

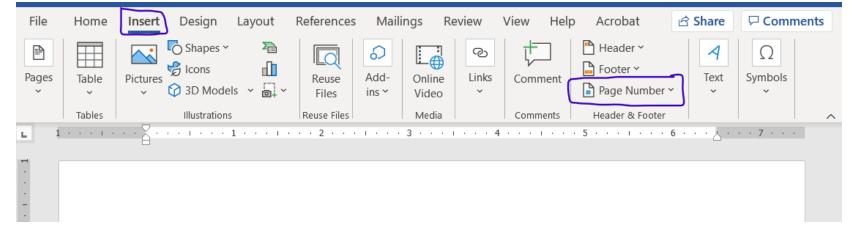
- Use block paragraph
 style, no indents, aligned
 left
- Avoid floating objects by using text wrapping





Page Numbers

- Same font style and size as document text
- Top right corner preferred
- Margin of .075 inches
- Table on contents for long documents







HEADINGS

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Structure

- Use prescribed logical order
- First level should be Heading 1
- Limit yourself to 2 headings; 3 occasionally

- Organize information into small chunks
- Each heading including only a few paragraphs





Examples

Vegetables from Wikipedia (heading 1)

Brassicas (heading 2)

Brassica is a genus of plants in the mustard family (Brassicaceae). The members of the genus are informally known as cruciferous vegetables, cabbages, or mustard plants. Crops from this genus are sometimes called cole crops—derived from the Latin caulis, denoting the stem or stalk of a plant.

Tubers

Tubers are enlarged structures in some plant species used as storage organs for nutrients. They are used for the plant's perennation (survival of the winter or dry months), to provide energy and nutrients for regrowth during the next growing season, and as a means of asexual reproduction. Stem tubers form thickened rhizomes (underground stems) or stolons (horizontal connections between organisms). Common plant species with stem tubers include potato and yam. Some sources also treat modified lateral roots (root tubers) under the definition; these are found in sweet potatoes, cassava, and dahlias.

Leafy Greens

Leaf vegetables, also called leafy greens, salad greens, pot herbs, vegetable greens, or simply greens, are plant leaves eaten as a vegetable, sometimes accompanied by tender petioles and shoots. Although they come from a very wide variety of plants, most share a great deal with other leaf vegetables in nutrition and cooking methods.

Vegetables from Wikipedia (heading 1)

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Heading Suggestions

- Heading 1: 22-point font,
 centered, bold, upper- and
 lower-case letters
- Heading 2: 20-point font,
 aligned left, bold, upper- and
 lower-case letters

- Heading 3: 20-point font,
 aligned left, bold, underlined,
 upper- and lower-case letters
- Normal: at least 12-point font (18-point for large print), aligned left





Assigning Styles

Simple Solution

- Type the text
- Select the text
- Select the heading style

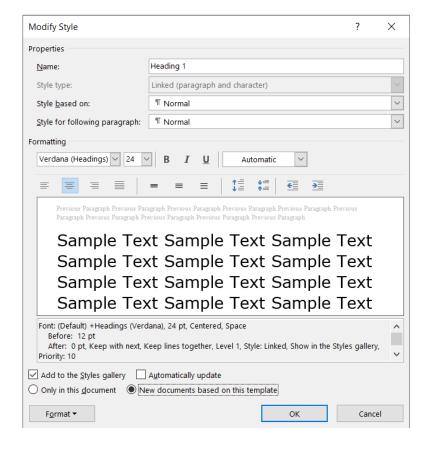
- Pros
 - Done on the fly
 - Worry about it later
 - Often what you receive
- Cons
 - Forget to do it later
 - More labor-intensive





Modifying Styles

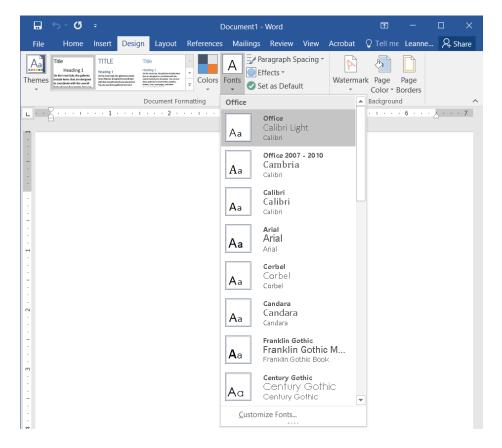
- Select the item you want to change (ex. Heading 1)
- Click Modify
- Make formatting changes
- Choose style applies to:
 - Current document
 - All future documents

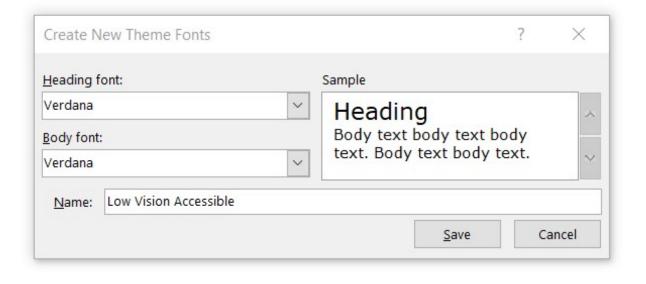






Creating Styles

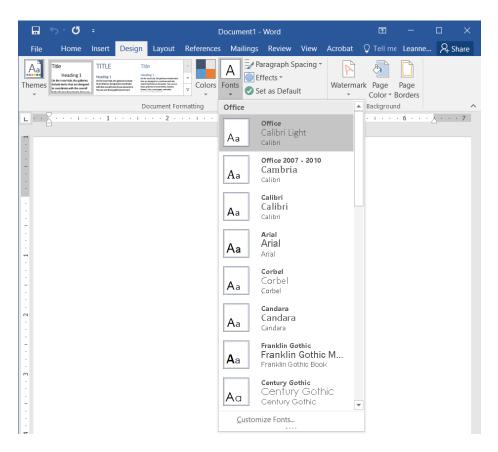


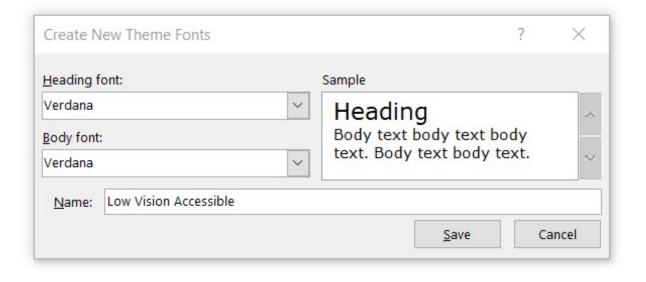






Permanently Change Font



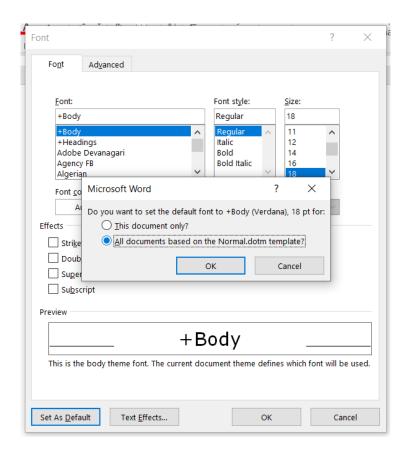






Permanently Change Styles

- Documents you create have this as the default.
- Does not affect documents you receive from others.
- Does not affect documents you previously created.







DOCUMENT STRUCTURE

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Lists

- Use built-in List tools
- Break up and simplify content
- Use plain, round dots
- Use numbers, letters and Roman numerals

Do not use:

- Hyphens, characters or graphics as bullets
- Tab
- Tables
- Text boxes
- Spaces





Columns

Use:

- Page Layout
- To break-up and simplify content

Do not use:

- Tables
- Tabs
- Spaces
- Text boxes





Headers, Footers, and Watermarks

Use header or footer for:

- Letterhead logos
- Page numbers

Duplicate watermark at or near the start of main content.

- These are not automatically read with a screen reader.
- Do not place vital content in header or footer.





Tables

- Create using Table Insert
- Keep data tables simple
- Identify header row
- Place table in-line with text
- Keep tables to one page

- Leave no cell blank
- Complex tables are not accessible
- If more than one page,
 repeat column headings



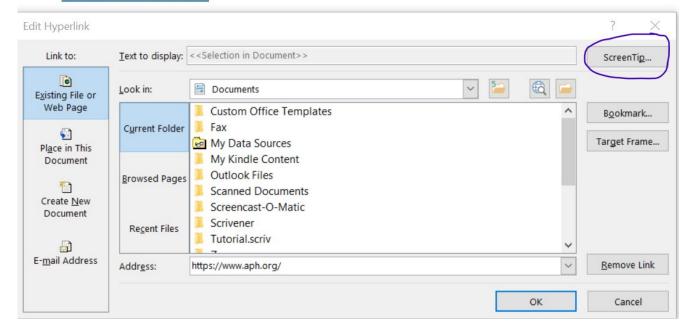




HYPERLINKS, ALTERNATE TEXT AND LANGUAGE

Hyperlinks

More about APH



Find APH's main website with information about products, services, and other resources.

Ctrl+Click to follow link

More about APH





Alternate Text

- Short and simple
- Leave title field blank
- SmartArt graphics need alternate text
- Use Text Wrap Style when placing images

Instructional images essential to understanding content:

- Must provide additional information if not in the main text.
- If in the main text, use simple, less detailed alt text.





Language

- Foreign language documents
- Multiple languages in one document
- References that are in another language

- Select the text that is written in a different language
- Review>Language>Set
 Proofing Language
- Select the appropriate language



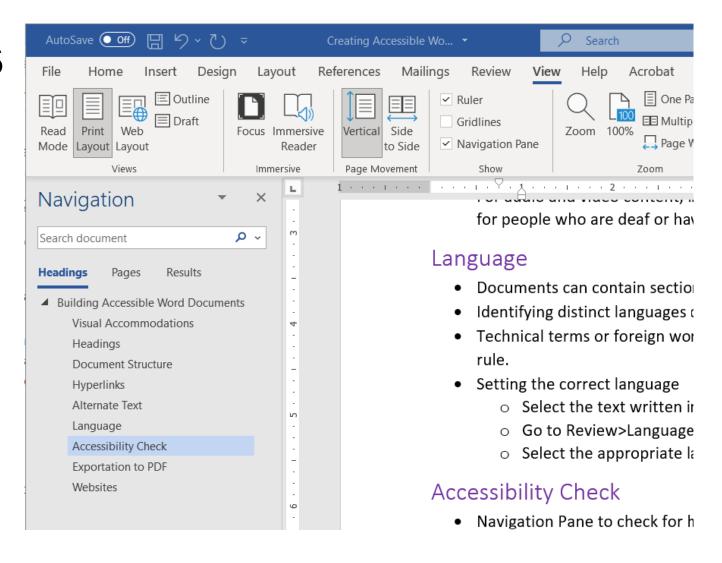


ACCESSIBILITY CHECK AND EXPORTATION

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Check Headings

- Navigation Pane
 - Control+F
 - View>NavigationPane







Properties

Fill out Properties

- Title
- Tags
- Comments

Properties *

Size 21.9KB

Pages

Words 1283

Total Editing Time 1905 Minutes

Title Creating Accessible Word ...

Tags Styles, Headings, Hyperlin...

Comments Add comments





Accessibility

Check the document name:

- Simple
- Easy to remember
- Free of special characters

Check accessibility:

File>Info>Check for

Issues> Check

Accessibility

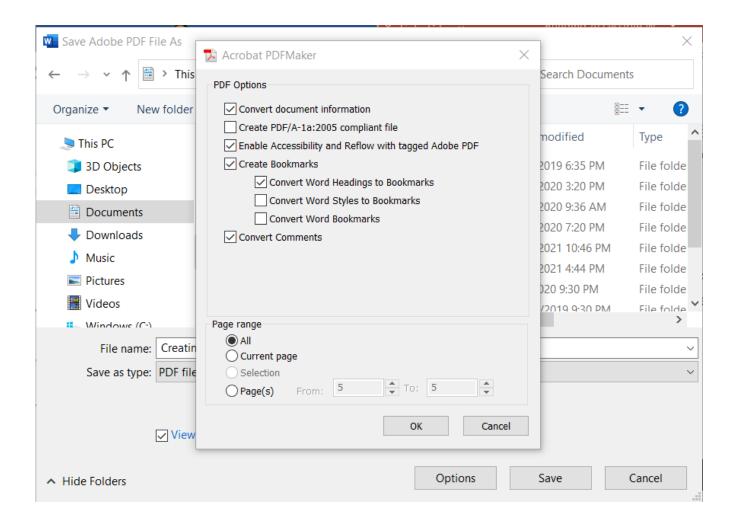
Not a robust system





Exportation

File>Save As>PDF
Select Options







References

- https://aphaccessibility.com/checklist-for-ms-word-docs-home/
- https://webaim.org/techniques/word/
- https://www.hhs.gov/web/section-508/making-files-accessible/createaccessible-pdfs/step-2/index.html
- https://www.mtu.edu/accessibility/training/documents/microsoft-word/
- https://sbctc.instructure.com/courses/1578604/pages/creatingaccessible-word-documents



References, continued

- https://www.wikihow.com/Create-Accessible-Word-Documents
- https://web.wsu.edu/creating-an-accessible-microsoft-worddocument/
- https://support.microsoft.com/en-us/topic/make-your-worddocuments-accessible-to-people-with-disabilities-d9bf3683-87ac-47ea-b91a-78dcacb3c66d
- https://www.washington.edu/accessibility/documents/word/



CONTACT US

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