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Increasing the Accessibility of Library Resources & Services for Improved Discovery in the Classroom

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Increasing the Accessibility of Library Resources & Services for Improved Discovery in the Classroom

By Barbara M. Pope, MALS
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PSU Faculty Professional Development Day
August 17, 2022



Background

- My Introduction to Accessibility in Higher Education
- My Awareness of Difficulties of a Disabled College Student
- Problems That the OLC Course Brought to Light for Me
- Student Accommodations
- I Realized That Accessibility is Part of My Job
- Building Accessibility into Instruction From the Beginning

Resources to Support Effective Learning LibGuide

- [Link to Resources to Support Effective Learning LibGuide](#)
 - List of Library Databases and Other Resources
 - Many of the Library's Databases Have Features Which Improve Accessibility
 - LibGuide Contains Notes on What Accessibility Features Are in the Database
 - Formats of Documents Available in the Resource
 - EPUB, HTML, Plain Text, and Audio
 - Many of Them Also Have PDF as an Option, But PDFs Are Not Always Accessible

PowerPoint Slides and Microsoft Word Tips

- [Link to Web Content Accessibility Guidelines \(WCAG\) 2.1](#)
- Alternative Methods to Access Content
 - Alt Text for Images, Link Text for Links,
 - Closed Captioning and Transcripts for Videos
- Using San Serif Font for Text
- Be Careful With Color
- Deliberately Choose Colors to Create Good Contrast
 - [Link to HTML Color Picker](#)
- Color Contrast – [Link to Colour Contrast Analyser](#)
- Use the Accessibility Checker in Software

Analyzing Color Contrast of Background and Foreground

Colour Contrast Analyser (CCA)

Foreground colour (red)
RGB `rgb(255, 0, 0)`

Background colour (blue)
RGB `rgb(0, 0, 255)`

Sample preview
example text showing contrast

WCAG 2.1 results
Contrast ratio 2.1:1

- ▶ 1.4.3 Contrast (Minimum) (AA)
 - ✗ Fail (regular text)
 - ✗ Fail (large text)
- ▶ 1.4.6 Contrast (Enhanced) (AAA)
 - ✗ Fail (regular text)
 - ✗ Fail (large text)
- ▶ 1.4.11 Non-text Contrast (AA)
 - ✗ Fail (UI components and graphical objects)

Colour Contrast Analyser (CCA)

Foreground colour (black)
RGB `rgb(0, 0, 0)`

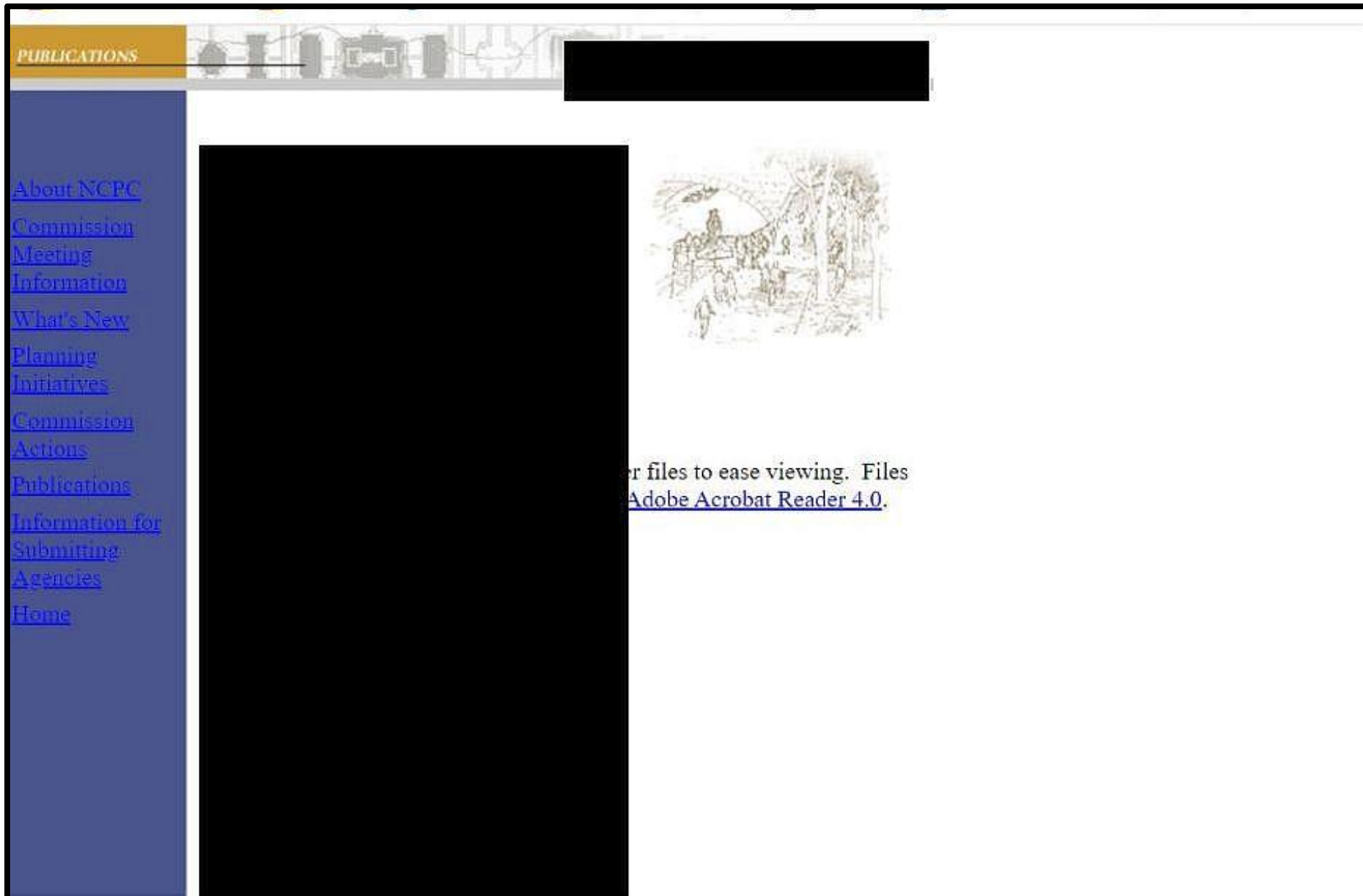
Background colour (white)
RGB `rgb(255, 255, 255)`

Sample preview
example text showing contrast

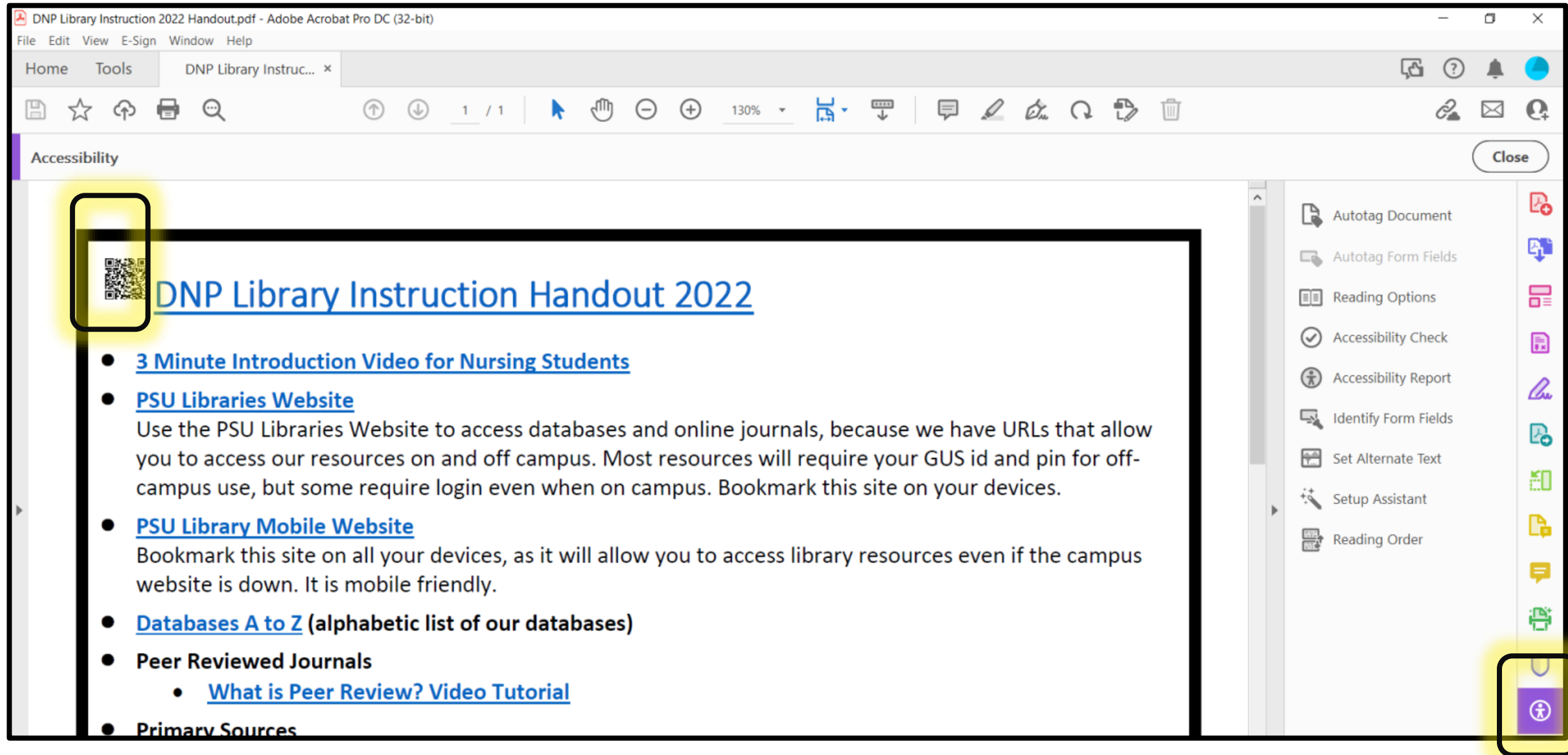
WCAG 2.1 results
Contrast ratio 21:1

- ▶ 1.4.3 Contrast (Minimum) (AA)
 - ✓ Pass (regular text)
 - ✓ Pass (large text)
- ▶ 1.4.6 Contrast (Enhanced) (AAA)
 - ✓ Pass (regular text)
 - ✓ Pass (large text)
- ▶ 1.4.11 Non-text Contrast (AA)
 - ✓ Pass (UI components and graphical objects)

Example of a Website With Lack of Contrast



PDF Tips When Using Adobe Acrobat Pro DC




DNP Library Instruction 2022 Handout.pdf - Adobe Acrobat Pro DC (32-bit)

File Edit View E-Sign Window Help

Home Tools DNP Library Instruc... x

Accessibility Close

 DNP Library Instruction Handout 2022

- [3 Minute Introduction Video for Nursing Students](#)
- [PSU Libraries Website](#)
Use the PSU Libraries Website to access databases and online journals, because we have URLs that allow you to access our resources on and off campus. Most resources will require your GUS id and pin for off-campus use, but some require login even when on campus. Bookmark this site on your devices.
- [PSU Library Mobile Website](#)
Bookmark this site on all your devices, as it will allow you to access library resources even if the campus website is down. It is mobile friendly.
- [Databases A to Z](#) (alphabetic list of our databases)
- Peer Reviewed Journals
 - [What is Peer Review? Video Tutorial](#)
- Primary Sources

Autotag Document
Autotag Form Fields
Reading Options
Accessibility Check
Accessibility Report
Identify Form Fields
Set Alternate Text
Setup Assistant
Reading Order

Video Tips

- Closed Captioning and Transcript Reflects What is Actually Said / Done in Video ([Link to WCAG 2.1 – Guideline 1.2](#))
- Ability to Control Video With Keyboard Alone without specific timing of keystrokes “except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints” ([Link to WCAG 2.1 – Keyboard Accessible](#))
- [Link to Creating automatic transcripts in YouTube](#)
- [Link to Uploading Captions File to YouTube](#)

Resources

- [Link to Resources to Support Effective Learning LibGuide](#)
- [Link to Kansas Talking Books](#)
- [Link to Web Content Accessibility Guidelines \(WCAG\) 2.1](#)
- [Link to HTML Color Picker](#)
- [Link to Americans With Disabilities Act \(ADA\)](#)
- [Link to Section 508 Tools](#)
- [Link to Character Counter](#)
- [Link to Colour Contrast Analyser \(Freeware\)](#)
- [Link to Information About Adobe Acrobat Pro DC Accessibility Checker](#)
- [Link to What is a QR Code, and How can it be a part of accessibility?](#)
- [Link to Creating automatic transcripts in YouTube](#)
- [Link to Uploading Captions File to YouTube](#)
- [Link to Free 508 Training](#)

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