

Pressbooks Authoring Environment Accessibility Conformance Report WCAG Edition

VPAT® Version 2.3 – December 2018

Name of Product/Version: [Pressbooks v5.7.2](#)

Product Description: [Pressbooks](#) is a book content management system which allows users to publish clean, well-formatted webbooks and produce exports of their content in multiple formats, including ebooks, print-ready PDFs, and various XML flavors. [Pressbooks](#) is built on top of [WordPress Multisite](#) and makes significant changes to the admin interface, web presentation layer, and export routines. Pressbooks is open source software, released under the [GPL v3.0 or later](#) license.

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Evaluation Methods Used: Initial testing was conducted by [WebSavvy](#), a service of the Inclusive Design Research Centre at OCAD University, with subsequent testing performed by Pressbooks staff. Testing was done on the following browsers: Firefox 66, Safari 12, and Chrome 73. Tools used for testing include: NVDA 2017.1 screen reader, VoiceOver screen reader, WebAIM Wave Toolbar, Nu HTML checker, TPG Colour Contrast Analyzer.

Applicable Standards/Guidelines: This report covers the degree of conformance for the following:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0, at https://www.w3.org/TR/2008/REC-WCAG20-20081211/	Level A (Yes / No) Level AA (Yes / No) Level AAA (Yes / No)
Web Content Accessibility Guidelines 2.1 at https://www.w3.org/TR/WCAG21/	Level A (Yes / No , except 2.1.4 and 2.5.3) Level AA (Yes / No , except 1.4.11 and 4.1.3) Level AAA (Yes / No)

Terms: The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.

“Voluntary Product Accessibility Template” and “VPAT” are registered service marks of the Information Technology Industry Council (ITI)

- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.0 Report

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

CRITERIA	CONFORMANCE LEVEL	REMARKS & EXPLANATIONS
<u>1.1.1 Non-text Content</u> (Level A)	Not applicable	No images requiring alt text observed.
<u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A)	Not applicable	Pressbooks does not contain audio-only or video-only content.
<u>1.2.2 Captions (Prerecorded)</u> (Level A)	Not applicable	Pressbooks does not contain audio-visual content.
<u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A)	Not applicable	Pressbooks does not contain audio-visual content.
<u>1.3.1 Info and Relationships</u> (Level A)	Partially supports	There are a few comboboxes in the admin interface which do not programmatically communicate all visual information. We have reported remaining issues upstream where possible.
<u>1.3.2 Meaningful Sequence</u> (Level A)	Supports	The reading order of content is meaningful.
<u>1.3.3 Sensory Characteristics</u> (Level A)	Supports	Instructions do not rely upon visual characteristics or sounds.
<u>1.4.1 Use of Color</u> (Level A)	Supports	Pressbooks allows users to select a “Pressbooks a11y” admin color scheme which features high color contrast and underlines all links in the admin interface.
<u>1.4.2 Audio Control</u> (Level A)	Not applicable	No automatically playing audio observed.
<u>2.1.1 Keyboard</u> (Level A)	Supports	We use TinyMCE as our visual editor. Keyboard users can access and navigate its options, though they may need to familiarize themselves with its commands. See tiny.cloud/docs-3x/extras/TinyMCE3x@Accessibility/ .
<u>2.1.2 No Keyboard Trap</u> (Level A)	Supports	No keyboard traps observed.

2.1.4 Character Key Shortcuts (Level A 2.1 only)	Supports	No single character keys used on Pressbooks. All keyboard shortcuts include modifier keys.
2.2.1 Timing Adjustable (Level A)	Supports	Users logged out after 48 hours of inactivity.
2.2.2 Pause, Stop, Hide (Level A)	Not applicable	Pressbooks does not contain any moving, blinking or scrolling content.
2.3.1 Three Flashes or Below Threshold (Level A)	Supports	Pressbooks does not contain any flashing content.
2.4.1 Bypass Blocks (Level A)	Supports	A skip to content link is available for both screen reader and alternative navigation users.
2.4.2 Page Titled (Level A)	Supports	Pages have unique and meaningful titles.
2.4.3 Focus Order (Level A)	Partially supports	The ‘Edit Chapter’ page skips several controls in forwards (but not backwards) navigation. This limitation is inherited from the TinyMCE editor we use. In addition, the ‘save’ button on the Book Information page is semantically prior to the metadata fields, though the metadata fields now receive focus upon initial page load.
2.4.4 Link Purpose (In Context) (Level A)	Supports	Purpose of links is clear.
2.5.1 Pointer Gestures (Level A 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
2.5.2 Pointer Cancellation (Level A 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
2.5.3 Label in Name (Level A 2.1 only)	Partially supports	A small number of inputs (inherited from WordPress or TinyMCE) are missing programmatic labels. Where possible, we have reported these issues upstream.
2.5.4 Motion Actuation (Level A 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
3.1.1 Language of Page (Level A)	Supports	Page language defined programmatically.

3.2.1 On Focus (Level A)	Supports	No changes were observed when elements receive focus.
3.2.2 On Input (Level A)	Supports	No changes observed when inputs or controls were used.
3.3.1 Error Identification (Level A)	Supports	Pressbooks provides relevant error messages to help users avoid and correct mistakes.
3.3.2 Labels or Instructions (Level A)	Supports	Labels and instructions are provided.
4.1.1 Parsing (Level A)	Supports	HTML content parsed without errors when checked with the Nu HTML Checker and the WCAG Parsing Bookmarklet .
4.1.2 Name, Role, Value (Level A)	Partially supports	Some comboboxes are missing ARIA markup. Where possible, we have reported these issues upstream.

Table 2: Success Criteria, Level AA

CRITERIA	CONFORMANCE LEVEL	REMARKS & EXPLANATIONS
1.2.4 Captions (Live) (Level AA)	Not applicable	No live audio-visual content observed.
1.2.5 Audio Description (Prerecorded) (Level AA)	Not applicable	No audio-visual content observed.
1.3.4 Orientation (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
1.4.3 Contrast (Minimum) (Level AA)	Supports	Pressbooks allows users to select a “Pressbooks a11y” admin color scheme which features high color contrast and underlines all links in the admin interface.
1.4.4 Resize text (Level AA)	Supports	Content is responsive and resizes well.

1.4.5 Images of Text (Level AA)	Supports	Images of text only used as theme examples.
1.4.10 Reflow (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
1.4.11 Non-text Contrast (Level AA 2.1 only)	Supports	Non-text elements, such as styling icons, have sufficient contrast with the background.
1.4.12 Text Spacing (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Not evaluated	WCAG 2.1 criterion not evaluated.
2.4.5 Multiple Ways (Level AA)	Supports	The admin footer contains a link to a 'site map' which displays a page displaying an ordered list featuring accessible, keyboard-navigable links to all admin dashboard pages available to that user.
2.4.6 Headings and Labels (Level AA)	Supports	Text of headings and labels is descriptive.
2.4.7 Focus Visible (Level AA)	Supports	Keyboard focus is visible via the default browser indicator.
3.1.2 Language of Parts (Level AA)	Not applicable	No content in languages other than the main page language observed.
3.2.3 Consistent Navigation (Level AA)	Supports	Navigation is consistent across pages.
3.2.4 Consistent Identification (Level AA)	Supports	Components that serve the same function are identified consistently.
3.3.3 Error Suggestion (Level AA)	Supports	When errors are provided, details are given.
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not applicable.	No legal, financial or sensitive data requested from users.
4.1.3 Status Messages (Level AA 2.1 only)	Supports	All real time alerts or information updates have appropriate ARIA role attributes.