# HathiTrust Accessibility Conformance Report WCAG Edition

**(Based on VPAT**® **Version 2.5)**

## Name of Product/Version:

HathiTrust Digital Library

## Report Date:

08/22/2024

## Product Description:

The HathiTrust Digital Library permits individuals to search across and access 18 million digitized texts.

## Contact Information:

support@hathitrust.org

## Notes:

This report was created by Deque Systems Inc. upon completion of an accessibility evaluation and validation performed between 04/19/2024 and 08/22/2024. This Accessibility Conformance Report evaluates the search and access interfaces of the HathiTrust Digital Library, as well as a representative sampling of WordPress informational web pages. Digitized texts were not evaluated.

## Evaluation Methods Used:

A combination of automated and manual testing techniques was employed for the accessibility assessment.

* Manual assessment was performed using Chrome Version 122.0.6261.129 on Windows 10 and included exclusive use of the keyboard.
* Automated tools used included axe Auditor and the axe DevTools browser extension.
* Assistive technologies employed included NVDA Version 2023.3.1.

## Scope of Evaluation

The pages in the following table were evaluated as part of the assessment on which this report is based.

| **Test Unit** | **URL** |
| --- | --- |
| Accessibility | https://www.hathitrust.org/accessibility/ |
| Advanced Search | https://babel.hathitrust.org/cgi/ls?a=page&page=advanced |
| Catalogue Record | https://catalog.hathitrust.org/Record/000500709 |
| Collection item listing page | https://babel.hathitrust.org/cgi/mb?a=listis;c=464226859 |
| Featured Collections | https://babel.hathitrust.org/cgi/mb?colltype=featured |
| Full View | https://babel.hathitrust.org/cgi/pt?id=loc.ark:/13960/t5w67nq1q&seq=7 |
| Home page | https://www.hathitrust.org/ |
| Privacy Policy | https://www.hathitrust.org/the-collection/terms-conditions/privacy-policy/ |
| Search Results | https://babel.hathitrust.org/cgi/ls?q1=apple&field1=ocr&a=srchls&ft=ft&lmt=ft |
| Search and Access | https://www.hathitrust.org/the-collection/search-access/ |
| Title Search Results | https://catalog.hathitrust.org/Search/Home?lookfor=apple&searchtype=title&ft=ft&setft=true |

In addition to the pages listed above, the following components that appear on multiple pages were tested as part of the assessment:

* Cookie consent banner and modal
* Footer
* Nav bar
* New Collection Dialog
* Pagination
* Search wrapper
* Filter section

## Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

| **Standard/Guideline** | **Included In Report** |
| --- | --- |
| [Web Content Accessibility Guidelines 2.0](http://www.w3.org/TR/2008/REC-WCAG20-20081211) | Level A (Yes)  Level AA (Yes)  Level AAA (No) |
| [Web Content Accessibility Guidelines 2.1](https://www.w3.org/TR/WCAG21) | Level A (Yes)  Level AA (Yes)  Level AAA (No) |
| [Web Content Accessibility Guidelines 2.2](https://www.w3.org/TR/WCAG22/) | Level A (No)  Level AA (No)  Level AAA (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.
* **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 Level AAA criteria.

## WCAG 2.1 Report

Note: When reporting on conformance with the WCAG 2.1 Success Criteria, the criteria are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.1 Conformance Requirements](https://www.w3.org/TR/WCAG21/#conformance-reqs).

### Table 1: Success Criteria, Level A

Notes:

|  | **Criteria** | | **Conformance Level** | **Remarks and Explanations** | |
| --- | --- | --- | --- | --- | --- |
| [**1.1.1 Non-text Content**](http://www.w3.org/TR/WCAG20/#text-equiv-all) (Level A) | | Supports | | Non-text content has text alternatives or a text alternate that serves an equivalent purpose. |
| [**1.2.1 Audio-only and Video-only (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-av-only-alt) (Level A) | | Not Applicable | | Prerecorded audio-only files are not present. |
| [**1.2.2 Captions (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-captions) (Level A) | | Not Applicable | | Prerecorded videos are not present. |
| [**1.2.3 Audio Description or Media Alternative (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-audio-desc) (Level A) | | Not Applicable | | Prerecorded videos are not present, therefore audio description is not required. |
| [**1.3.1 Info and Relationships**](http://www.w3.org/TR/WCAG20/#content-structure-separation-programmatic) (Level A) | | Supports | | Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text. |
| [**1.3.2 Meaningful Sequence**](http://www.w3.org/TR/WCAG20/#content-structure-separation-sequence) (Level A) | | Supports | | The reading and navigation order is logical and intuitive. |
| [**1.3.3 Sensory Characteristics**](http://www.w3.org/TR/WCAG20/#content-structure-separation-understanding) (Level A) | | Supports | | Content does not rely on sensory characteristics of components such as shape, color, size, visual location, orientation, or sound for understanding and operating content. |
| [**1.4.1 Use of Color**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-without-color) (Level A) | | Supports | | Color is not used as the only method to convey information, indicate an action, prompt a response, or distinguish visual elements. |
| [**1.4.2 Audio Control**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-dis-audio) (Level A) | | Not Applicable | | The tested pages do not contain audio content that plays automatically. |
| [**2.1.1 Keyboard**](http://www.w3.org/TR/WCAG20/#keyboard-operation-keyboard-operable) (Level A) | | Supports | | Most functionalities are available using the keyboard (unless the functionality cannot be accomplished in any known way using a keyboard) and if present some shortcut keys and access keys may conflict with existing browser and screen reader shortcuts and some functionalities based on custom gestures may not be available when a screen reader is turned on. |
| [**2.1.2 No Keyboard Trap**](http://www.w3.org/TR/WCAG20/#keyboard-operation-trapping) (Level A) | | Supports | | Keyboard focus is not locked or trapped in a particular area and the user is able to navigate to and from all navigable elements using only a keyboard. |
| [**2.1.4 Character Key Shortcuts**](https://www.w3.org/TR/WCAG21/#character-key-shortcuts) (Level A 2.1) | | Supports | | If a single character key shortcut exists, then at least one of the following is true: single character key shortcuts can be turned off, remapped or are only active when the relevant user interface component is in focus. |
| [**2.2.1 Timing Adjustable**](http://www.w3.org/TR/WCAG20/#time-limits-required-behaviors) (Level A) | | Supports | | If a time limit exists, a user is given options to turn off, adjust, or extend that time limit. |
| [**2.2.2 Pause, Stop, Hide**](http://www.w3.org/TR/WCAG20/#time-limits-pause) (Level A) | | Not Applicable | | The web pages do not contain moving, blinking, scrolling, or auto-updating information. |
| [**2.3.1 Three Flashes or Below Threshold**](http://www.w3.org/TR/WCAG20/#seizure-does-not-violate) (Level A) | | Not Applicable | | The tested application does not contain flashing content. |
| [**2.4.1 Bypass Blocks**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-skip) (Level A) | | Supports | | Method is provided to skip navigation and other page elements that are repeated across web pages and frames have appropriate titles. |
| [**2.4.2 Page Titled**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-title) (Level A) | | Supports | | Pages have descriptive and informative titles. |
| [**2.4.3 Focus Order**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-order) (Level A) | | Supports | | The navigation order of interactive elements (such as links, buttons, or form elements) is logical and preserves meaning and operability. |
| [**2.4.4 Link Purpose (In Context)**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-refs) (Level A) | | Supports | | The purpose of each link can be determined from the link text alone or from the link text and its programmatic context. |
| [**2.5.1 Pointer Gestures**](https://www.w3.org/TR/WCAG21/#pointer-gestures) (Level A 2.1) | | Supports | | All functionality that can be operated with a pointer can be operated with single-point actions. |
| [**2.5.2 Pointer Cancellation**](https://www.w3.org/TR/WCAG21/#pointer-cancellation) (Level A 2.1) | | Supports | | For functionality that can be operated using a single-pointer at least one of the following is true: no down-event, abort/undo, up reversal or essential. |
| [**2.5.3 Label in Name**](https://www.w3.org/TR/WCAG21/#label-in-name) (Level A 2.1) | | Supports | | For each user interface component that includes a visible text label, the accessible name matches (or includes) the visible text in the label. |
| [**2.5.4 Motion Actuation**](https://www.w3.org/TR/WCAG21/#motion-actuation) (Level A 2.1) | | Supports | | Functionality that can be triggered by device motion or user motion detected by a device can be disabled and the functionality can be operated without using motion. |
| [**3.1.1 Language of Page**](http://www.w3.org/TR/WCAG20/#meaning-doc-lang-id) (Level A) | | Supports | | The language of the page/s are correctly identifiable. |
| [**3.2.1 On Focus**](http://www.w3.org/TR/WCAG20/#consistent-behavior-receive-focus) (Level A) | | Supports | | When an element receives focus, a substantial change to the page (such as the spawning of a pop-up window or a focus change) does not occur that would disorient the user. |
| [**3.2.2 On Input**](http://www.w3.org/TR/WCAG20/#consistent-behavior-unpredictable-change) (Level A) | | Supports | | When a user inputs information or interacts with a control, it does not result in a substantial change to the page that could disorient the user unless or the user is informed of the change ahead of time. |
| [**3.3.1 Error Identification**](http://www.w3.org/TR/WCAG20/#minimize-error-identified) (Level A) | | Supports | | Efficient, intuitive and clearly identified text-based alerts are provided to users for form validation cues and errors. |
| [**3.3.2 Labels or Instructions**](http://www.w3.org/TR/WCAG20/#minimize-error-cues) (Level A) | | Supports | | For form controls/input fields requiring user input, labels, instructions, and/or error messages are provided to identify the controls/input fields in the form so that users know what input data is expected. |
| [**4.1.1 Parsing**](http://www.w3.org/TR/WCAG20/#ensure-compat-parses) (Level A) | | Supports | | For the WCAG 2.0, 2.1, EN 301 549, and Revised 508 Standards, the September 2023 errata update indicates this criterion is always supported. See the [WCAG 2.0 Editorial Errata](https://www.w3.org/WAI/WCAG20/errata/#editorial) and the [WCAG 2.1 Editorial Errata](https://www.w3.org/WAI/WCAG21/errata/#editorial). This criterion was removed from WCAG 2.2. |
| [**4.1.2 Name, Role, Value**](http://www.w3.org/TR/WCAG20/#ensure-compat-rsv) (Level A) | | Supports | | The name, role, state, and value of each user interface components can be programmatically determined. |

### Table 2: Success Criteria, Level AA

Notes:

|  | **Criteria** | | **Conformance Level** | **Remarks and Explanations** | |
| --- | --- | --- | --- | --- | --- |
| [**1.2.4 Captions (Live)**](http://www.w3.org/TR/WCAG20/#media-equiv-real-time-captions) (Level AA) | | Not Applicable | | Live multimedia files with audio are not present, therefore synchronized captions are not required. |
| [**1.2.5 Audio Description (Prerecorded)**](http://www.w3.org/TR/WCAG20/#media-equiv-audio-desc-only) (Level AA) | | Not Applicable | | Prerecorded multimedia files are not present, therefore audio descriptions are not required. |
| [**1.3.4 Orientation**](https://www.w3.org/TR/WCAG21/#orientation) (Level AA 2.1) | | Supports | | Orientation of the content is not locked to either landscape or portrait, unless a specific orientation is essential for the functionality. |
| [**1.3.5 Identify Input Purpose**](https://www.w3.org/TR/WCAG21/#identify-input-purpose) (Level AA 2.1) | | Supports | | The purpose for each input field that collects an individual's personal data is programmatically defined based on the WCAG list of Input Purposes for User Interface Components. |
| [**1.4.3 Contrast (Minimum)**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-contrast) (Level AA) | | Supports | | Text and images of regular text have the required color contrast ratio with their backgrounds. |
| [**1.4.4 Resize text**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-scale) (Level AA) | | Supports | | Content is readable and functional when browser zoom is set to 200% of its initial size. |
| [**1.4.5 Images of Text**](http://www.w3.org/TR/WCAG20/#visual-audio-contrast-text-presentation) (Level AA) | | Supports | | When the same visual presentation can be made using text alone, an image is not used to present that text. |
| [**1.4.10 Reflow**](https://www.w3.org/TR/WCAG21/#reflow) (Level AA 2.1) | | Supports | | The content of each page is viewable without scrolling horizontally when the viewport is set to 320 CSS pixels wide. |
| [**1.4.11 Non-text Contrast**](https://www.w3.org/TR/WCAG21/#non-text-contrast) (Level AA 2.1) | | Supports | | The boundaries and indicators of the visual state(s) of each active user component and any graphics required to understand content have a 3:1 color contrast ratio with adjacent color(s) or their background. |
| [**1.4.12 Text Spacing**](https://www.w3.org/TR/WCAG21/#text-spacing) (Level AA 2.1) | | Supports | | The spacing between letters, words, lines of text and paragraphs can be adjusted with no loss of content or functionality. |
| [**1.4.13 Content on Hover or Focus**](https://www.w3.org/TR/WCAG21/#content-on-hover-or-focus) (Level AA 2.1) | | Supports | | When additional content is triggered by pointer hover or keyboard focus, that additional content can be dismissed and hovered over, and the content persists until the user dismisses it. |
| [**2.4.5 Multiple Ways**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-mult-loc) (Level AA) | | Supports | | Multiple ways are available to find other pages on the site. |
| [**2.4.6 Headings and Labels**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-descriptive) (Level AA) | | Supports | | Headings and labels for form and interactive controls are informative. |
| [**2.4.7 Focus Visible**](http://www.w3.org/TR/WCAG20/#navigation-mechanisms-focus-visible) (Level AA) | | Supports | | It is visually apparent which page element is currently receiving keyboard focus. |
| [**3.1.2 Language of Parts**](http://www.w3.org/TR/WCAG20/#meaning-other-lang-id) (Level AA) | | Does not support | | Language attributes are not used to distinguish parts of the page that are in a different language from the default page language. |
| [**3.2.3 Consistent Navigation**](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-locations) (Level AA) | | Supports | | Navigation patterns that are repeated on web pages are presented in the same relative order each time they appear and do not change order when navigating through the site. |
| [**3.2.4 Consistent Identification**](http://www.w3.org/TR/WCAG20/#consistent-behavior-consistent-functionality) (Level AA) | | Supports | | Labels, names, and text alternatives for content that have the same functionality across multiple web pages are consistently identified. |
| [**3.3.3 Error Suggestion**](http://www.w3.org/TR/WCAG20/#minimize-error-suggestions) (Level AA) | | Supports | | If input errors are automatically detected, suggestions are provided in text for fixing the input in a timely and accessible manner before the data is submitted to the server. |
| [**3.3.4 Error Prevention (Legal, Financial, Data)**](http://www.w3.org/TR/WCAG20/#minimize-error-reversible) (Level AA) | | Supports | | If the user can change or delete legal, financial, student exam responses, or unrecoverable/unintentionally modified or deleted data, the changes/deletions are reversible, verified, or confirmed. |
| [**4.1.3 Status Messages**](https://www.w3.org/TR/WCAG21/#status-messages)(Level AA 2.1) | | Supports | | Status messages can be programmatically determined and presented by assistive technologies without receiving focus. |

### Table 3: Success Criteria, Level AAA

Notes: Level AAA success criteria are not within the scope of this conformance evaluation.

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