

High-level accessibility review – BTAA (WorldCat.org Platform)

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WORLDCAT.ORG Platform

Summary

Top 3 problems for the WORLDCAT.ORG Platform

This assessment covers portions of the WORLDCAT.ORG platform. The assessment revealed moderate problems with screen reader compatibility, resulting in screen reader users sometime missing critical information needed to understand content and operate features.

1. **Contrast** – The orange on white color combination used in links on hover does not provide sufficient contrast. The majority of issues with the site are related to contrast of content, links or informative images/icons.
2. **Name Role Value** – Many elements are missing either a role or attributes to properly be identified as functional elements.
3. **Non Text Contrast** – Several images related to search results or users are missing an alternative description, which is especially important when the images are linked.

Accessibility findings

Project wide issues

The issues presented in this section were identified in multiple pages and are recorded here to avoid repetition. These are applicable to each screen. Due to particularities, similar issues are still reported on a page per page basis, where applicable.

Automated findings using Axe

Issues found through automated testing come from the Axe plugin, an open source accessibility testing tool that is available for Chrome, Firefox and Edge. Details here: <https://www.deque.com/products/axe/>.

1. **None**

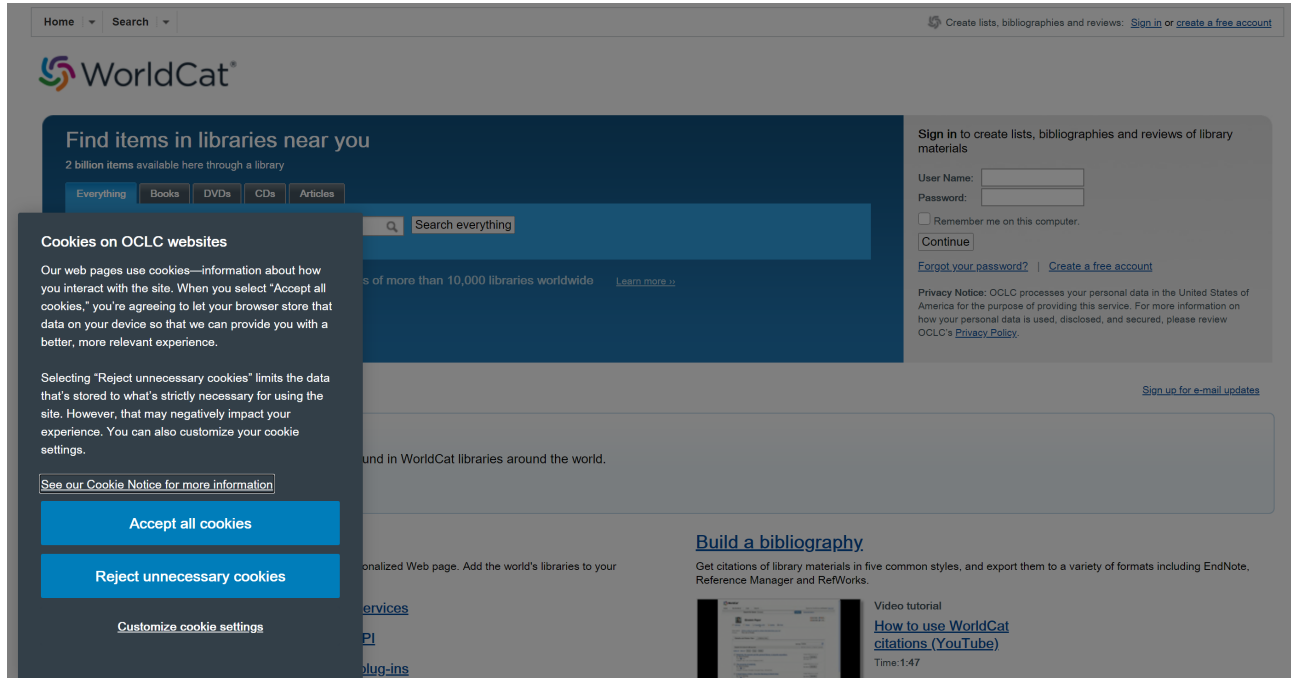
Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – majority of links in main content area are low in contrast on mouse hover. #FF6600 on #FFFFFF results in 2.9:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected for regularly sized text.
2. **SC 1.4.11 AA** – the ‘email’ icon in the footer ‘Follow WorldCat’ section is low in contrast. #BFC5CA on #F9FAFC results in 1.7:1 contrast ratio. A minimum 3:1 contrast ratio is expected.
3. **SC 1.4.10 AA** – the site content does not reflow to a 320 px wide viewport.

1. WORLDCAT.ORG Initial Landing

Source: <https://www.worldcat.org/>

Test case: Test initial interface/landing page to ensure menus, search box, images, icons, sort by, etc. are accessible.



Automated findings using Axe

1. **SC 1.1.1 A** – There are several images that are missing an alternative description. Decorative images should have an empty alt attribute or ARIA role 'presentation'. Linked and informative images must have a descriptive alt attribute and value or be described using ARIA.
2. **SC 1.3.1 A** – The search field has an explicit <label> that is hidden.
3. **SC 4.1.2 A** – A link (selector: #idnetworkribbon > a) is missing accessible link text.

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – When 'accept all cookies' or 'Reject unnecessary cookies' receives keyboard focus. The foreground text does not offer sufficient contrast. #B7D2E0 on #0F6A97 provides 3.8:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected.
2. **SC 1.4.3 AA** – When 'accept all cookies' or 'Reject unnecessary cookies' receives mouse hover focus. The foreground text does not offer sufficient contrast. #FFFFFF on #4C8C2B provides 4.1:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected.
3. **SC 2.4.1 A** – The Skip to content link does not become visible when it receives focus.
4. **SC 2.4.1 A** – The Skip to content link does not set programmatic focus when activated. The browser viewport is adjusted but not the programmatic focus.
5. **SC 2.4.7 A** – A visible focus indicator is missing for the tab navigation tabs when they receive focus.
6. **SC 1.4.3 AA** – The "everything" tab text is low in contrast against the gradient background. #FFFFFF on #2FA2E3 results in 2.8:1 contrast ratio. A minimum of 4.5:1 contrast ratio is expected.
7. **SC 4.1.2 A** – The tab panel function for the search function is missing required ARIA roles and attributes in order to operate as a tab panel.
8. **SC 1.3.1 A** – Content is inappropriately identified as a heading. Affected content includes: 2 billion items..., WorldCat connects you to ..., WorldCat libraries most often selected...
9. **SC 3.1.2 A** – Portions of text in the 'Most popular tags' section that are not in the default page language are not programmatically identified with a lang attribute.

10. **SC 1.4.3 AA** – the “the” and “100” in “the Library 100” is low in contrast. #FFFFFF on #F57F29 results in 2.6:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected.
11. **SC 1.4.11 AA** – the empty document icon in ‘Recent Reviews’ is low in contrast. #ACB5BA against #F4F8FB results in 2:1 contrast. A minimum 3:1 contrast ratio is expected.
12. **SC 1.4.11 AA** – the no profile picture icon in ‘Recent Reviews’ and ‘Recently updated lists’ is low in contrast. #9B9B9B against #BFBFBF results in 1.5:1 contrast. A minimum 3:1 contrast ratio is expected.
13. **SC 1.4.3 AA** – the “WorldCat connects you to the collections and services of more than 10,000 libraries worldwide Learn more” content is low in contrast against the gradient. #B5CFDE on #1D6DA5 results in 3.4:1 contrast ratio. A minimum of 4.5:1 contrast ratio is expected.

2. WORLDCAT.ORG Search Results

Source: https://www.worldcat.org/search?qt=worldcat_org_all&q=peter+falk

Test case: From the initial interface, perform a search for: “peter falk”

Test results page, including Format filter and Refine Your Search filter. Test Format filter by limiting results to DVD and the Refine Your Search filter by limiting to Non-Juvenile.

The screenshot shows the WorldCat search results page for the query 'peter falk'. The search bar at the top contains 'peter falk' and a 'Search' button. Below the search bar, there are links for 'Advanced Search' and 'Find a Library'. The main content area displays search results for 'peter falk', showing results 1-10 of about 101,387. The results are listed in a table with columns for checkboxes, thumbnails, and titles. The first three results are visible: 1. 'Peter Falk' by Josef Zimmermann; 2. 'Peter Falk' by Jos Zimmermann; 3. 'Der Himmel über Berlin' by Wim Wenders; Peter Handke; Bruno Ganz; Solveig Dommartin; Otto Sander; Peter Falk. The left sidebar contains filters for 'Open Content', 'Format', and 'Refine Your Search'. The 'Format' filter is expanded, showing options like 'All Formats (101,387)', 'Encyclopedia article (78684)', 'Book (2524)', and 'Video (1539)'. The 'Refine Your Search' filter is also expanded, showing 'Author' with 'Peter H Falk (2932)'. The bottom of the page shows a partial result for 'Advanced emitters and detectors for terahertz time-domain spectroscopy'.

Automated findings using Axe

1. **SC 4.1.1 A** – The ID “slice” is used in multiple locations on the page. Elements with IDs must have unique IDs.
2. **SC 1.1.1 A** – The page has several images that are missing an alternative description. Decorative images should have an empty alt attribute or ARIA role ‘presentation’. Linked and informative images must have a descriptive alt attribute and value or be described using ARIA.
3. **SC 1.3.1 A** – The search field and all result checkboxes have an explicit <label> that is hidden.

Additional manual findings using NVDA screen reader

1. **SC 2.4.7 AA** – The “view all editions” link does not receive a visible focus indicator.
2. **SC 1.3.1 A** – The refinement panel on the left-hand side uses layout tables that contains data table markup. E.g. <th>
3. **SC 1.4.11 AA** – the empty thumbnail icon in the search results is low in contrast. #ACB5BA against #F4F8FB results in 2:1 contrast. A minimum 3:1 contrast ratio is expected.
4. **SC 1.4.3 AA** – the “Search” button text is low in contrast. #FFFFFF on #808182 results in 3.9:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected.

3. WORLDCAT.ORG Individual Search Results Page

Source: https://www.worldcat.org/title/columbo-mystery-movie-collection-1989/oclc/123087938&referer=brief_results

Test case: Test an individual search result page (Columbo mystery movie collection 1989).

Test the ability to use the Find a copy in the library section of the page to find a copy and access map, library info and Ask a librarian features for a library.

Automated findings using Axe

1. **SC 1.4.3 AA** – The “User contributed reviews” content is low in contrast. Element has insufficient color contrast of 4.11 (foreground color: #7d7d7d, background color: #ffffff, font size: 11.3pt (15px), font weight: bold). Expected contrast ratio of 4.5:1
2. **SC 4.1.1 A** – Several IDs are used in multiple locations on the page. Elements with IDs must have unique IDs. Duplicated IDs include: list_message, div_list_success, span_success_list_link, div_list_error, ajax_listid, "rdfa" \
3. **SC 1.3.1 A** – The search field has an explicit <label> that is hidden.

Additional manual findings using NVDA screen reader

1. **SC 4.1.2 A** – The links in the ‘Rate this item’ section are missing an href attribute.
2. **SC 4.1.2 A** – The “Read more...” function is missing a button role.
3. **SC 4.1.2 A** – The disclosure (expand/collapse) sections are missing a button role.
4. **SC 4.1.2 A** – The disclosure (expand/collapse) sections are missing the current expand/collapsed state.
5. **SC 1.4.3 AA** – The “Be the first” content is low in contrast. #FFFFFF on #FF7600 provides a 2.7:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected.
6. **SC 1.4.3 AA** – The “Sorry, we don’t know your location. Please enter...” content is low in contrast. #D36011 on #FFFFFF results in 3.9:1 contrast ratio. A minimum 4.5:1 contrast ratio is expected.
7. **SC 1.4.11 AA** – The ‘stars’ icons in the Rating section are low in contrast. #FF8014 on #FFFFFF results in 2.5:1 contrast ratio. A minimum of 3:1 contrast is expected.
8. **SC 1.4.3 AA** – The “not yet rated” content in the Rating section is low in contrast. #7C888F on #FFFFFF results in 3.6:1 contrast ratio. A minimum of 4.5:1 contrast is expected.
9. **SC 1.4.11 AA** – The ‘stars’ linked icons in the Rate this item section are low in contrast. #B4B9BC

against an adjacent color of #FFFFFF result in 2:1 contrast ratio. A minimum 3:1 contrast ratio is expected.

10. **SC 1.4.11 AA** – When hovering the ‘stars’ linked icons in the Rate this item section, the unselected stars are low in contrast. #F6995A against an adjacent color of #FFFFFF result in 2.2:1 contrast ratio. A minimum 3:1 contrast ratio is expected.
11. **SC 1.4.11 AA** – When hovering the ‘stars’ linked icons in the Rate this item section, the selected stars are low in contrast. #F68F45 against an adjacent color of #FCBC15 results in 1.4:1 contrast ratio. A minimum 3:1 contrast ratio is expected.
12. **SC 1.3.2 A** – The Series section contains hidden text accessible by a screen reader user. “View all items in the series: 'Universal classic television.'”
13. **SC 1.3.2 A** – After the “Similar items” link, hidden text is accessible by a screen reader user. “url_ver=Z39.88-2004&rfr_id=info%3Asid%2Fworldcat.org%3Aworldcat&rft_val_fmt=info%3Aofi%2Ffmt%3Akev%3”