

High-level accessibility review – BTAA (Oxford Music Online Platform)

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Oxford Music Online Platform

Summary

Top 3 problems for the Oxford Music Online Platform

This assessment covers portions of the Oxford Music Online Platform. The assessment revealed moderate problems with screen reader compatibility, resulting in screen reader users missing important information needed to understand content and operate features.

1. **Contrast** – Moderate issues exist consistently, primarily related to links being distinguished by color alone, empty text input fields being visually distinguished and placeholder text.
2. **Info and Relationships** – Data tables are missing programmatic table headers which is vital to establish row-column relationships that are visually presented.
3. **Name, Role, Value** – Links and buttons contain moderate issues with appropriate names (when many controls share a common name but perform unique actions), required states, and having a programmatic name available.

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. **No automated issues found.**

Additional manual findings using NVDA screen reader

1. **SC 1.4.3 AA** – The ‘Jump to content’ link is low in contrast on focus. A 1.08:1 contrast ratio is observed.
2. **SC 1.4.3 AA** – When links embedded in text only use color to be visually distinguished as links, there is less than 3:1 contrast between the primary link color and the non-link text color and no additional visual indicator to distinguish link text from surrounding non-link text.

1. Oxford Music Online Landing Page

Source: <https://www-oxfordmusiconline-com.offcampus.lib.washington.edu/>

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

University of Washington AUTOMATICALLY SIGNED IN

Sign in to an additional subscriber account

About News Tools and Resources Subscribe Customer Services | Personal Profile: Sign In or Create

Oxford Music Online
GROVE MUSIC ONLINE

Topic Instrument Era Region Place Type Occupation

Advanced search

Welcome to Oxford Music Online

- The gateway to *Grove Music Online*, with access to search *The Oxford Dictionary of Music* and *The Oxford Companion to Music*
- The authoritative resource for music research with over **52,000** articles written by nearly **9,000** scholars charting the diverse history and cultures of music around the globe

[Learn more](#)

Featured

Myra Melford

Read the Grove Jazz entry on the American pianist and composer, [Myra Melford](#), updated and revised by Simon Adams a part of the *Grove Music Online* project to revise our [Jazz content](#).

FEATURED

Max Roach

Read the Grove entry on drummer [Max Roach](#), updated by Barry Kernfeld as part of the *Grove Music Online* project to revise our [Jazz content](#).

Automated findings using Axe

1. No automated issues found.

Additional manual findings using NVDA screen reader

1. **SC 1.1.1 A** – The ‘Concert in the Egg painting by Hieronymus Bosch’ and ‘Close up of a conductor hand with sheet music in the background’ links do not accurately describe the purpose / destination of their respective links.
2. **SC 1.3.1 A** – The date ‘eyebrows’ in the ‘News’ section are not section headings and should have their H4 removed.
3. **SC 1.3.5 AA** – The common input purpose for the ‘Username’ and ‘Password’ input fields is not programmatically available. The existing autocomplete attribute values are invalid.
4. **SC 1.4.3 AA** – The ‘Sign In’ controls are low in contrast with a 4.29:1 contrast ratio.
5. **SC 1.4.3 AA** – The ‘Username’ and ‘Password’ placeholder text is low in contrast with a 2.9:1 contrast ratio.
6. **SC 4.1.2 A** – The “Sign in to an additional...” link is missing its expanded/collapsed state.

2. Oxford Music Online Search Results

Source: https://www-oxfordmusiconline-com.offcampus.lib.washington.edu/search?submittedFilterId=by-music_Eras-taxonomy&q=Mozart&isQuickSearch=true&articleType_4=Biographical+Article&pageSize=20&sort=relevance&t_8=music_Eras%3A7

Test case: From the initial interface, perform a search for: Mozart
 Test results page, including Filter and sort by options.

- Limit Type to Biographical Article
- Limit Era to Late 18th c./Classical (1750-1800)

The screenshot shows the Oxford Music Online search results page. At the top, there is a navigation bar with links for 'About', 'News', 'Tools and Resources', 'Subscribe', 'Customer Services', and 'Personal Profile: Sign In or Create'. Below this is the 'Oxford Music Online' logo and 'GROVE MUSIC ONLINE'. A search bar is present with filters for 'Topic', 'Instrument', 'Era', 'Region', 'Place Type', and 'Occupation'. The search results are displayed as '1-20 of 435 Results for: Mozart'. The filters applied are 'All: Mozart', 'Late 18th c./Classical (1750-1800)', and 'Type: Biographical Article'. The search term is 'Mozart' and the results are sorted by 'Relevance'. The first result is 'Mozart, Carl Thomas' by Rudolph Angermüller, C.B. Oldman, and William Stafford, published in print in 2001 and online in 2001. The article text describes Carl Thomas Mozart as the second and elder surviving son of Wolfgang Amadeus Mozart and Constanze Mozart, who began his apprenticeship with a commercial firm in 1797 but failed due to lack of funds, moving to Milan in 1805 to study music with Bonifazio Asioli.

Automated findings using Axe

1. **SC 1.4.3 AA** – All blue buttons with white text e.g. “Add term” are low in contrast. White text #FFFFFF against a #2880BA background results in a 4.3:1 contrast ratio.
2. **SC 4.1.1 A** – The page contains several IDs that are duplicated: sortBy, pageSize, hitHighlightToggle, pageLinks, hhToggleForm, advancedSearchWidget
3. **SC 4.1.2 A** – The “X” (remove filter) linked icons are missing an accessible name that accurately describes the purpose of the controls.

Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The “X” (remove filter) linked icon is low in contrast on focus and mouse hover states. A 2.3:1 contrast ratio is observed.
2. **SC 4.1.2 A** – The “Sign in to an additional...” link is missing its expanded/collapsed state.

3. **SC 1.1.1 A** – An informative icon ‘full text access’ is implemented as a CSS background image without an accessible alternative.
4. **SC 1.3.1 A** – The ‘Article’ content in each result card is not a section heading.
5. **SC 1.3.1 A** – The group of ‘remove filter’ links are visually presented as a single list but programmatically marked up as three separate lists, each with one single list item.
6. **SC 3.3.2 A** – The ‘Search Text’ field is missing a visible label.
7. **SC 1.4.11 AA** – When empty, the ‘Search Text’ and all other text input fields do not provide sufficient contrast for the clickable boundary. A 1.47:1 contrast ratio was observed.
8. **SC 1.4.3 AA** – The ‘yyyy or dd/mm/yyyy’ placeholder text is low in contrast with a 2.9:1 contrast ratio.
9. **SC 4.1.1 A** – The “Add Term” and “Add Date” control is a button nested within a link. This nesting configuration is poorly supported by AT.
10. **SC 4.1.2 A** – The “?” tooltip trigger and “X” control within the tooltip are both links that are missing an href attribute.
11. **SC 4.1.2 A** – The “?” tooltip is missing required ARIA role and attributes to behave like a tooltip and be exposed as one to AT.
12. **SC 2.4.4 A** – The “X” control within the tooltip is missing accessible link text or a programmatic label that better describes the control’s purpose.
13. **SC 2.4.4 A** – All ‘Open section’ links within the filters area have the same link name and are missing accessible link text or a programmatic label that better describes the control’s unique purpose.
14. **SC 2.4.3 A** – In the ‘Occupation’ section, the nested controls are included in the tab order even when the section is collapsed.

3. Individual Result Landing Page

Source: <https://www-oxfordmusiconline-com.offcampus.lib.washington.edu/grovemusic/view/10.1093/gmo/9781561592630.001.0001/omo-9781561592630-e-6002278233?rskey=oLSDSDS>

Test case: Select “Mozart, (Johann Chrysostom) Wolfgang Amadeus” – test individual landing page.

The screenshot shows the Grove Music Online interface. At the top, there is a navigation bar with links for 'About', 'Tools and Resources', 'Subscribe', 'Customer Services', and 'Personal Profile: Sign In or Create'. The main header features the 'Grove Music Online' logo and a search bar with filters for 'Topic', 'Instrument', 'Era', 'Region', 'Place Type', and 'Occupation'. A user is logged in as 'University of Washington' with the status 'AUTOMATICALLY SIGNED IN'. The article title is 'Mozart, (Johann Chrysostom) Wolfgang Amadeus' by Cliff Eisen and Stanley Sadie. The article URL is <https://doi-org.offcampus.lib.washington.edu/10.1093/gmo/9781561592630.article.6002278233>. It was published in print on 20 January 2001 and online in 2001. The article is a member of the Mozart family. The biography states: '(b Salzburg, Jan 27, 1756; d Vienna, Dec 5, 1791). Austrian composer, son of (1) Leopold Mozart. His style essentially represents a synthesis of many different elements, which coalesced in his Viennese years, from 1781 on, into an idiom now regarded as a peak of Viennese Classicism. The mature music, distinguished by its melodic beauty, its formal elegance and its richness of harmony and texture, is deeply coloured by Italian opera though also rooted in Austrian and south German instrumental traditions. Unlike Haydn, his senior by 24 years, and Beethoven, his junior by 15, he attempted most of the art-music forms of his time and excelled at them all.'

Automated findings using Axe

1. **SC 4.1.1 A** – The page contains several IDs that are duplicated: contentPanel.
2. **SC 1.1.1 A** – The page contains 2 images with no alt attribute. These images appear to be decorative (a caption is provided below them), but the images have not been given an empty alt or a role of presentation.
3. **SC 1.3.1 A** – The ‘Bibliography’ section contains an unordered list that is missing a required child element, LI.
4. **SC 2.4.4 A** – The page contains many instances of ‘Open in new tab’ links where additional context is required to identify the unique purpose of each similarly-named link.

Additional manual findings using NVDA screen reader

1. **SC 4.1.2 A** – The “Sign in to an additional...” link is missing its expanded/collapsed state.
2. **SC 2.4.6 AA** - All ‘expand’ buttons within the ‘Article Contents’ area have the same button name and are missing a programmatic label that better describes the control’s unique purpose.
3. **SC 4.1.2 A** – The ‘Article’ link is visually identified as the ‘current’ item but this same information is not programmatically provided.
4. **SC 1.3.1 A** – All data tables contain a first row that appears to be column headings but semantic markup is missing to semantically identify the column headings.

4. Advanced Search Results Page

Source: https://www-oxfordmusiconline-com.offcampus.lib.washington.edu/grovemusic/search?submittedFilterId=by-format&subSite=grovemusic&pageSize=20&sort=relevance&q0=Viola&type_5=image

Test case: Test advanced search

- Search for Viola
- Limit Type to Image

The screenshot displays the Grove Music Online search interface. At the top, there is a navigation bar with links for 'About', 'Tools and Resources', 'Subscribe', 'Customer Services', and 'Personal Profile: Sign In or Create'. The main header features the 'Grove Music Online' logo and a search bar with a 'Q' icon and 'Advanced search' text. Below the header, there are filter tabs for 'Topic', 'Instrument', 'Era', 'Region', 'Place Type', and 'Occupation'. The search results section shows '1-19 of 19 Results for:' with filters for 'All: Viola' and 'Format: Image'. A search bar contains the text 'Viol viola da gamba gamba viole Gambe viola viola da gamba 4. England.: Table 6'. Below this, there is a 'Sort by' dropdown set to 'Relevance'. The search results are displayed in a list format, with each result including a title, a location filter (e.g., 'In Viola'), and a table icon. The 'Format' filter is set to 'Image (19)'. The 'Modify your search' section includes a 'Term' dropdown set to 'All' and a text input field containing 'Viola', with 'Add term' and 'Update' buttons. Below this, there is a 'Format' section with a checked 'Image (19)' option and an 'Update' button.

Automated findings using Axe

1. **SC 1.4.3 AA** – All blue buttons with white text e.g. “Add term” are low in contrast. White text #FFFFFF against a #2880BA background results in a 4.3:1 contrast ratio.
2. **SC 4.1.1 A** – The page contains several IDs that are duplicated: hitHighlightToggle, date-type-range-0-le_-1, date-type-exact-0-le_-1, date-from-0-le_-1, date-to-1-le_-1, date-type-range-0-le_0, date-type-range-0-le_0, date-from-0-le_0, date-to-1-le_0, pageSize, sortBy, pageLinks, hhToggleForm, advancedSearchWidget, lifeEventToolTipExit, dateFilterError, date-from-error-invalid-0-le_-1, date-to-error-invalid-1-le_-1, date-to-error-order-1-le_-1, date-exact-0-le_-1, date-day-0-le_-1, date-month-0-le_-1, date-year-0-le_-1, date-exact-error-invalid-0-le_-1, date-range-0-le_0, date-from-error-invalid-0-le_0, date-to-error-invalid-1-le_0, date-to-error-order-1-le_0, date-exact-0-le_0, date-day-0-le_0, date-month-0-le_0, date-year-0-le_0, date-exact-error-invalid-0-le_0
3. **SC 4.1.2 A** – The “X” (remove filter) linked icons are missing an accessible name that accurately describes the purpose of the controls.

Additional manual findings using NVDA screen reader

Not completed due to Insufficient time