

High-level accessibility review – BTAA (Naxos Platform)

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Naxos Platform

Summary

Top 3 problems for the Naxos Platform

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

1. **Focus Order** – The tabindex attribute is used throughout the website in order to artificially control the focus order of the page content. The order provided is inconsistent and reduces understanding.
2. **Visible Focus** – Throughout the entire site, a visible focus indicator is not available.
3. **Contrast** – Several controls, text and link text is low in contrast.

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. **SC 4.1.2 A** – The ‘Keyword Search’ text input uses ARIA to define a role “serachbox”, which is not a valid ARIA role.
2. **SC 3.1.1 A** – All pages are missing a valid ‘lang’ attribute that programmatically defines the primary language.
3. **SC 1.1.1 A** – The active ‘language’ and ‘Click here for more information and tips on Keyword searching’ images are missing an alt attribute.
4. **SC 1.4.3 AA** – The ‘Advanced Search’ button is low in contrast. #ffffff against a background of #56a6d7 results in a 2.68:1 contrast ratio.
5. **SC 1.4.3 AA** – All the text and links in the footer area are low in contrast. #999999 against a background of #ebeff0 results in 2.46:1 contrast ratio.
6. **SC 4.1.1 A** – The ‘Advanced Search’ is a button nested within another button. This nesting is unsupported.

Additional manual findings using NVDA screen reader

1. **SC 2.4.3 A** – Nearly all interactive controls (and some static content) rely on a positive tabindex attribute value to control focus order, however the focus order is illogical and does not reflect the order of content.
2. **SC 2.4.7 AA** – All interactive controls are missing a clearly visible focus indicator.
3. **SC 1.3.1 A** – The ‘Figures at a glance’ content acts as a section heading but is missing required markup/semantics.
4. **SC 2.4.1 A** – The site is missing either a ‘skip to main content’ link, complete semantic heading structure or ARIA landmarks that clearly identify the main page content.
5. **SC 1.4.12 AA** – When the text spacing is adjusted, some navigation content on the left-hand column is cut off.
6. **SC 1.4.10 AA** – When a reflow viewport is applied, the entire page does not reflow.
7. **SC 2.4.4 A** – The ‘Twitter’ link in the footer announces as “Twitter link Facebook”

8. **SC 4.1.2 A** – The currently selected item in the left hand column navigation is visually but not programmatically identified.
9. **SC 2.1.1 A** – The language switcher and player controls drawer cannot be triggered by the keyboard only.
10. **SC 1.4.3 AA** – When the ‘Privacy settings’ control receives focus, it is low in contrast.
11. **SC 1.4.13 AA** – When the language switcher and the ‘Click here for more information and tips on keyword searching’ receives focus, the popup content cannot be dismissed without moving mouse or keyboard focus.
12. **SC 2.2.1 A** – The application times out without any warning to the user and without any accessible method to extend the session.

1. Naxos Landing Page

Source: <https://www.naxosmusiclibrary.com/>

Test case: Initial interface – menus & submenus, search boxes, images, etc.

Automated findings using Axe

1. **SC 4.1.2 A** – The rotating banner links are all missing programmatic link text.
2. **SC 1.3.1 A** – Each card in the results listing is individually marked up as a separate description list and the nesting of each description list has errors in its implementation.

Additional manual findings using NVDA screen reader

1. **SC 1.3.1 A** – The 'Featured Albums' content acts as a section heading but is missing required markup/semantics.
2. **SC 1.4.12 AA** – When the text spacing is adjusted, some title content in the main section is cut-off.
3. **SC 1.4.5 AA** – All the rotating banner items contain images of text.
4. **SC 1.4.11 AA** – The rotating banner carousel controls (previous slide, next slide, slide 1 dot, slide 2 dot, etc.) are all low in contrast between the primary and adjacent colors.

2. Naxos Search Results

Source: <https://www.naxosmusiclibrary.com/search?keyword=mozart&page=1>

Test case: Search for "Mozart" in the Search box on initial landing page/interface.

Test search result page:

o Navigate to page two of the results

The screenshot shows the Naxos Music Library search results page for the keyword 'mozart'. The page header includes the Naxos logo, a search bar with 'mozart' entered, and an 'Advanced Search' button. Below the header, the search results are displayed in a list format. The first result is 'MOZART, W.A.: Songs (Complete)' with a label of 'Naxos' and a category of 'Vocal'. The second result is 'MOZART, W.A.: Mozartiana - Rarities and Arrangements Performed on Historical Keyboards (Tsalka)' with a label of 'Grand Piano' and a category of 'Instrumental'. The third result is 'CHOPIN, F.: Piano Sonata No. 3 / MOZART, W.A.: Piano Sonata No. 18 (Mao Fujita)' with a label of 'Naxos Japan' and a category of 'Instrumental'. The fourth result is 'Opera Explained: MOZART - Così fan tutte (Smillie)' with a label of 'Naxos Educational' and a category of 'Music Education'. The page also includes a sidebar with navigation options like Home, New & News, People, Categories, Labels, Resources, Playlists, Favourites, Musicology, and Dictionary. A 'Figures at a glance' section shows 'Disc Count 164,243' and 'Track Count 2,580,939' as of 12 August 2021. The search results are paginated, showing '9396 items found' and 'Result(s) 1-20 of 9396 for mozart'.

Automated findings using Axe

1. **SC 1.3.1 A** – Each card in the results listing is individually marked up as a separate description list and the nesting of each description list has errors in its implementation.
2. **SC 4.1.1 A** – The page contains several instances of the ID 'gotoPageClick', 'pageP', 'pagesA', '1', 'pageN', 'lastP'.
3. **SC 4.1.2 A** – The pagination section contains links that are missing link text.
4. **SC 4.1.2 A** – Each card in the results listing links the album cover but the link is missing valid link text.
5. **SC 1.4.3 AA** – The “9396 items found”, “Go to page” text is low in contrast. #55a5d7 against #f0f0f0 results in 2.37:1 contrast.
6. **SC 1.4.3 AA** – The “Go” text is low in contrast. #ffffff against #55a5d7 results in 2.7:1 contrast.
7. **SC 1.4.3 AA** – All ‘CID’ numbers e.g. “GP849” are low in contrast. #31a8d7 against #ffffff results in 2.72:1 contrast.

Additional manual findings using NVDA screen reader

1. **SC 1.4.11 AA** – The ‘View: List’ icon is low in contrast between the primary icon color and adjacent colors.
2. **SC 1.3.1 A** – The “Keyword Search Result(s)” content is missing heading markup.
3. **SC 1.4.3 AA** – All pagination links and result card title links are low in contrast on hover.
4. **SC 4.1.2 A** – The List and Details View toggle is missing a button role.

3. Naxos Item Page

Source: <https://www.naxosmusiclibrary.com/catalogue/item.asp?cid=8.553079>

Test case: o Select the third item on the page (previous page)

o Play and pause the album

o Navigate to track 7

o Play and pause track 7

The screenshot shows the Naxos Music Library interface. The top navigation bar includes the Naxos logo, user information ('Deque test Account Member'), a search bar with 'mozart' entered, and an 'Advanced Search' button. The main content area displays the album title 'REGER: Mozart Variations Op. 132 / Hiller Variations Op. 100'. Below the title is the album artwork and a list of tracks. The track list includes:

- Variations and Fugue on a Theme by Mozart, Op. 132 (00:30:50)
- 1 » Theme: Andante grazioso (00:02:27)
- 2 » Variation 1: L'istesso tempo (00:02:20)
- 3 » Variation 2: Poco agitato (00:01:40)
- 4 » Variation 3: Con moto (00:01:23)
- 5 » Variation 4: Vivace (00:00:41)
- 6 » Variation 5: Quasi presto (00:01:34)
- 7 » Variation 6: Sostenuto (quasi adagietto) (00:02:07)
- 8 » Variation 7: Andante grazioso (00:02:37)
- 9 » Variation 8: Molto sostenuto (00:05:55)
- 10 » Fuge: Allegretto grazioso (00:10:06)

Automated findings using Axe

1. **SC 4.1.2 A** – The hidden 'read-more' button that is just before the 'Play' button, 'static-url', 'Add to favourites', 'Add to Playlist', 'share' and 'Add to Play Queue' buttons are all missing a valid button name or label.
2. **SC 1.3.1 A** – The 'Select All' and all 'Individual track' custom checkbox are not programmatically associated with their visible labels.
3. **SC 4.1.1 A** – The page contains several instances of the ID 'addPlayList', 'add_music_tolist'.
4. **SC 4.1.1 A** – The 'Premium Sound Quality' and 'Select All' controls both nest inputs within other inputs. This type of nesting is unsupported.
5. **SC 1.4.3 AA** – The "Premium Sound Quality", "Booklet", "Backcover image" and other light blue on white text is low in contrast. #55a5d7 against #ffffff results in 2.7:1 contrast.

Additional manual findings using NVDA screen reader

Not completed due to Insufficient time

4. Naxos Advanced Search Result Page

Source: <https://www.naxosmusiclibrary.com/catalogue/item.asp?cid=7261>

Test case: Navigate to the Advance Search button on initial landing page/interface.

- o Enter “Bloch, Ernest” in the composer field
- o Select specific Month and Year of 4/2021
- o Change duration to show from 17 to 126 minutes
- o Activate search
- o Select search result
- o Play/pause track 2

The screenshot shows the Naxos Music Library interface. The top navigation bar includes the Naxos logo, user information (Deque test Account Member), a search bar, and an 'Advanced Search' button. The main content area displays the album 'Ernest Bloch: Symphony in C-Sharp Minor' by the Slovak Philharmonic, conducted by Stephen Gunzenhauser. The album cover features a landscape with yellow flowers. Below the cover, there are options for 'Premium Sound Quality' and 'Backcover image'. The 'Album Information' section lists the category as 'Orchestral', the composer as 'Bloch, Ernest', and the artist as 'Gunzenhauser, Stephen; Slovak Philharmonic Orchestra'. The 'Label' is 'Amadis'. A track list is shown with four tracks, each with a checkbox and a play button. The first track is 'I. Lento - Allegro agitato ma molto energico' (00:16:20), the second is 'II. Andante molto moderato' (00:12:00), the third is 'III. Vivace' (00:10:13), and the fourth is 'IV. Allegro energico e molto marcato' (00:10:14). A large play button is visible in the top right corner of the track list area.

Automated findings using Axe

1. **SC 4.1.2 A** – The hidden ‘read-more’ button that is just before the ‘Play’ button, ‘static-url’, ‘Add to favourites’, ‘Add to Playlist’, ‘share’ and ‘Add to Play Queue’ buttons are all missing a valid button name or label.
2. **SC 1.3.1 A** – The ‘Select All’ and all ‘Individual track’ custom checkbox are not programmatically associated with their visible labels.
3. **SC 4.1.1 A** – The page contains several instances of the ID ‘addPlayList’, ‘add_music_tolist’.
4. **SC 4.1.1 A** – The ‘Premium Sound Quality’ and ‘Select All’ controls both nest inputs within other inputs. This type of nesting is unsupported.
5. **SC 1.4.3 AA** – The “Premium Sound Quality”, “Backcover image”, “Orchestral” and other light blue on white text is low in contrast. #55a5d7 against #ffffff results in 2.7:1 contrast.

Additional manual findings using NVDA screen reader

Not completed due to Insufficient time

5. Naxos Booklet Page

Source: <https://www.naxosmusiclibrary.com/catalogue/7261>

Test case: Navigate to “booklet” link

- o Click to open booklet;
- o Navigate to artist Trotter, Thomas link
- o Click to open

Automated findings using Axe

Not completed due to Insufficient time

Additional manual findings using NVDA screen reader

Not completed due to Insufficient time

Home Page Screenshot

The screenshot displays the Naxos Music Library home page. At the top, there is a navigation bar with the Naxos logo, a search bar, and account information. A prominent purple banner advertises 'Gapless Playback is now available on NML' with the tagline 'Seamless track transitions | Ideal for works like operas'. Below the banner, a grid of featured album covers is presented, each with a title and a brief description of the content. The albums include works by composers such as R. Strauss, P. Tchaikovsky, and J.S. Bach. The page also features a sidebar with navigation links like 'Home', 'New & News', and 'Categories'. At the bottom, there are links for 'About NML', 'Terms of Use', and 'Privacy Policy', along with social media icons and a copyright notice for 2021 Naxos Digital Services US, Inc.