

Accessibility Testing tool: Axe

Using the axe development tool extension I downloaded, I ran a full page scan of my email campaign website. Taking into consideration best practices, the extension found 9 problems with my website with 6 issues regarding best practices and 3 critical issues regarding accessibility.

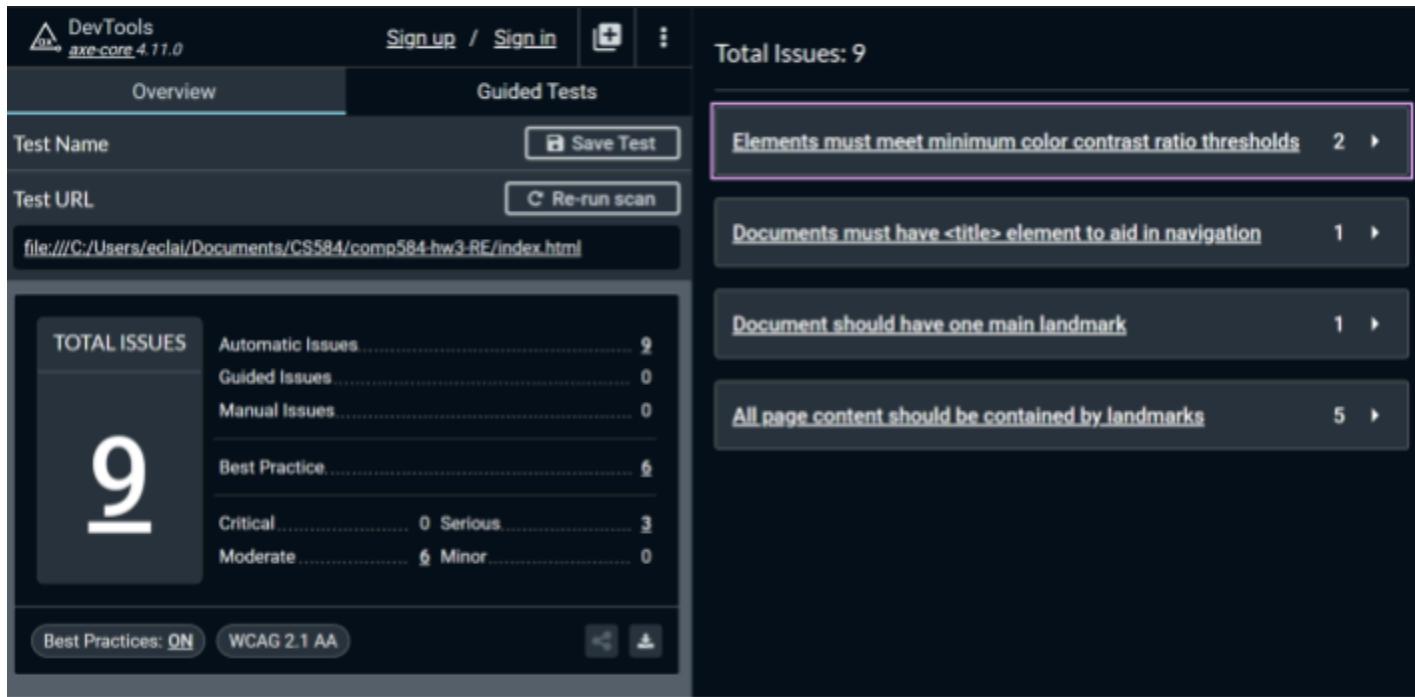


Fig 1. Axe dev tools full page scan results

The first critical issue addressed the colors and text size used in my footer, as they did not meet the minimum requirements of a 4:5:1 contrast ratio for small text. The contrast ratio compares how bright a text color is versus the background color with 1:1 meaning identical colors (white on white) and 21:1 being the highest contrast (black on white). I barely made the requirements with a contrast of 3.98. However, this problem can be easily fixed by changing the font color back to black (right now, my footer font color is gray).

On the Axe development tools website, this is marked as a critical issue because this issue affects people who are colorblind or have low vision.

The image displays two side-by-side screenshots of a web accessibility analysis tool. Both screens show a 'Total Issues: 9' header at the top.

Screenshot 1 (Left):

- Section Header:** Elements must meet minimum color contrast ratio thresholds
- Count:** 2 of 2
- Buttons:** Highlight, Share Issue
- Description:** Ensure the contrast between foreground and background colors meets WCAG 2 AA minimum contrast ratio thresholds
- Link:** more information
- Element Location:** footer > p:nth-child(1)
- Code Snippet:** <p>Feel free to unsubscribe from In A Timely Fashion Company.</p>
- Text Box:** To solve this problem, you need to fix the following:
Element has insufficient color contrast of 3.94 (foreground color: #808080, background color: #ffffff, font size: 9.8pt (13px), font weight: normal). Expected contrast ratio of 4.5:1
- Bottom Buttons:** Found: Automatically, Impact: serious, cat.color, wcag2aa, wcag143, TTv5, TT13.c, EN-301-549, EN-9.1.4.3, ACT, RGAAv4, RGAA-3.2.1, Found on: 2/13/2026 at 11:41 AM

Screenshot 2 (Right):

- Section Header:** Elements must meet minimum color contrast ratio thresholds
- Count:** 2 of 2
- Buttons:** Highlight, Share Issue
- Description:** Ensure the contrast between foreground and background colors meets WCAG 2 AA minimum contrast ratio thresholds
- Link:** more information
- Element Location:** footer > p:nth-child(2)
- Code Snippet:** <p>1235 Evezyday Way in Sunny, CA 10123</p>
- Text Box:** To solve this problem, you need to fix the following:
Element has insufficient color contrast of 3.94 (foreground color: #808080, background color: #ffffff, font size: 9.8pt (13px), font weight: normal). Expected contrast ratio of 4.5:1
- Bottom Buttons:** Found: Automatically, Impact: serious, cat.color, wcag2aa, wcag143, TTv5, TT13.c, EN-301-549, EN-9.1.4.3, ACT, RGAAv4, RGAA-3.2.1, Found on: 2/13/2026 at 11:41 AM

Fig 2. Critical issue 1: poor color contrast

My second critical issue was the lack of a <title> element for navigation; in my case, it was missing near the <html> tag at the top of the page. Title elements are read aloud by screen readers and provide users with a summary of what the page is about—without them, users who rely on screen readers have to read through the entire webpage to understand what it is about. This is marked as a critical issue because it affects those who heavily rely on screen readers such as those who are blind, deafblind, or have mobility issues.

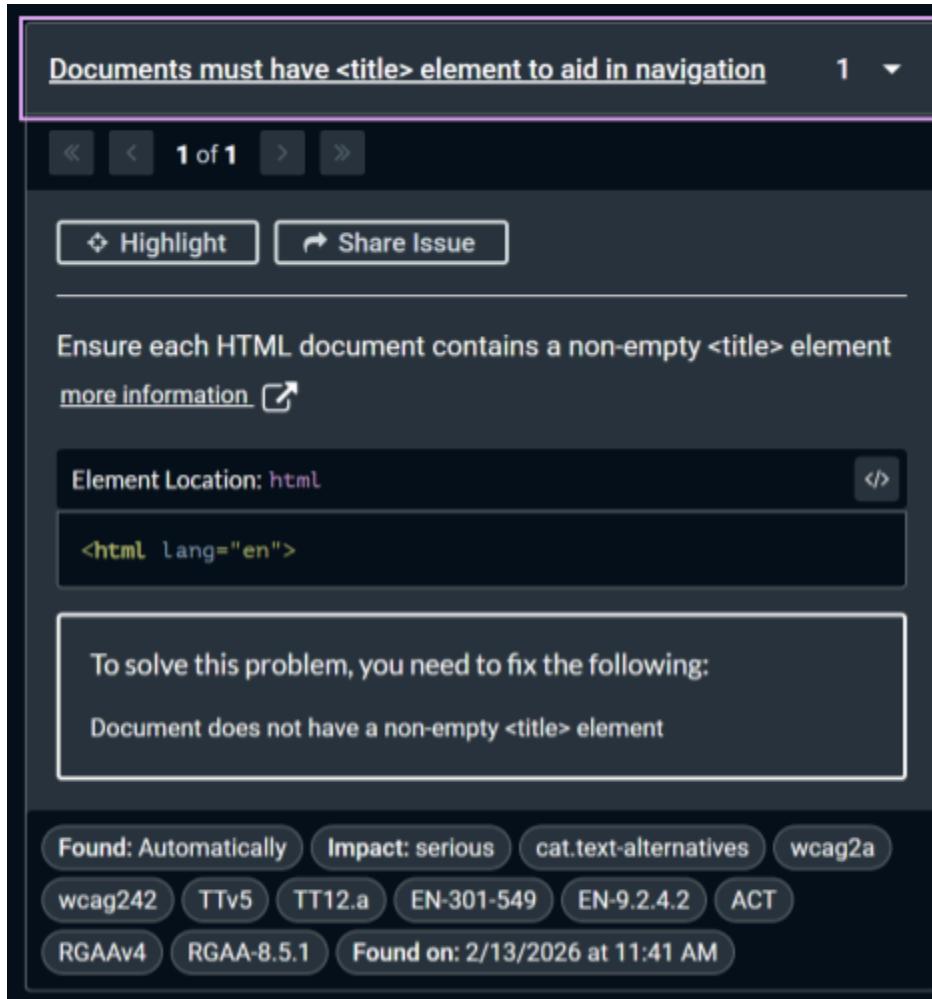


Fig 3. Critical issue 2: lack of <title> element

The last 6 problems were moderate issues but nonetheless affected the accessibility of my website: I was missing landmarks around a few of my page components (i.e. my logo image, heading, and hero image). Landmarks in HTML include header, nav, main, and footer elements and they also have ARIA counterparts in the form of the “role” attribute (ex. role=”banner”, role=”main”, etc.). It is advisable to use both, as this makes your website more accessible regardless of the screen reader technology used.

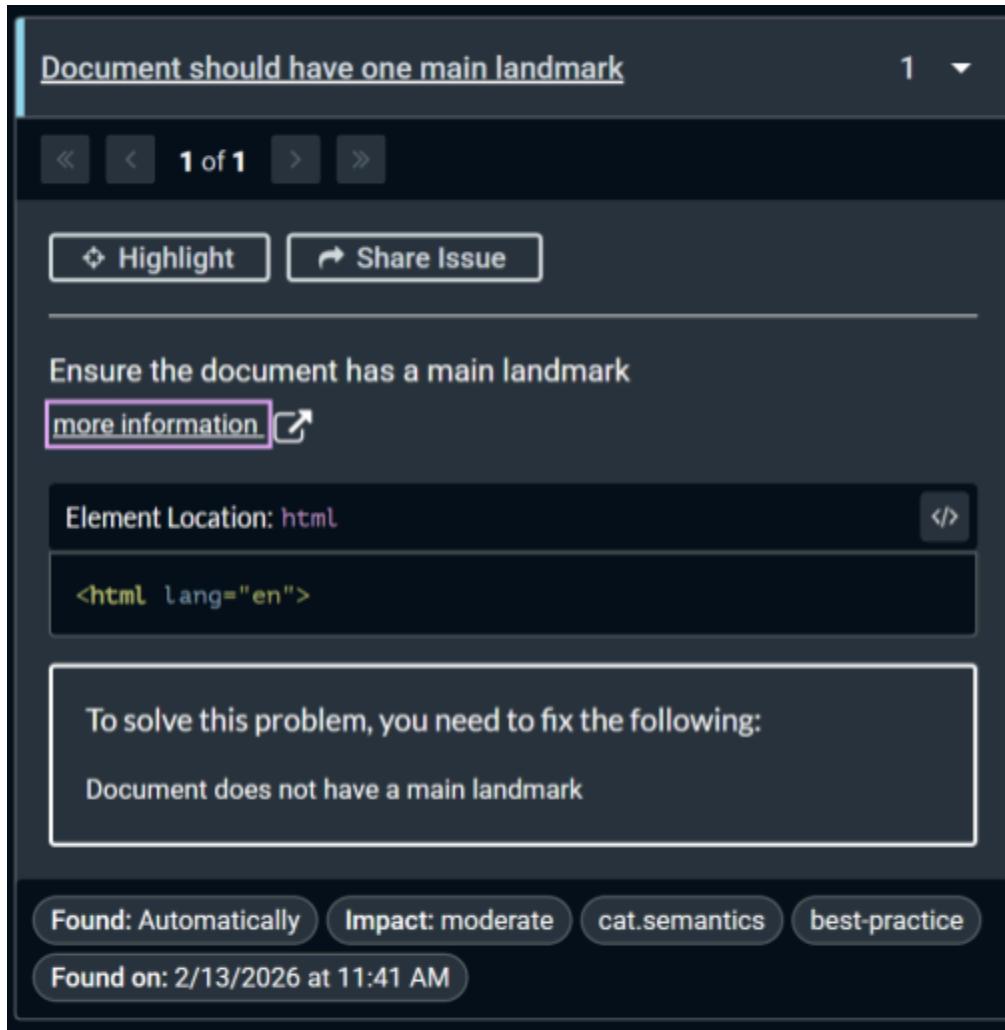


Fig 4. Moderate issue 1: missing main landmark

All page content should be contained by landmarks

1 of 5

[Highlight](#) [Share Issue](#)

Ensure all page content is contained by landmarks
[more information](#)

```
Element Location: td > table > tbody > tr:nth-child(1)
<tr>
  <td>
    
  </td>
</tr>
```

To solve this problem, you need to fix the following:
Some page content is not contained by landmarks

Found: Automatically Impact: moderate cat.keyboard RGAAv4
RGAA-9.2.1 best-practice Found on: 2/13/2026 at 11:41 AM

All page content should be contained by landmarks

2 of 5

[Highlight](#) [Share Issue](#)

Next Issue

Ensure all page content is contained by landmarks
[more information](#)

```
Element Location: tr:nth-child(2)
<tr>
  <td>
    <hi class="headline" style="padding:20px 20px 20px; text-align:center; background-image:url('images/clover_icon.jpeg'); background-position:right; background-repeat:no-repeat; background-size:10%">IT'S YOUR LUCKY DAY</hi>
  </td>
</tr>
```

To solve this problem, you need to fix the following:
Some page content is not contained by landmarks

Found: Automatically Impact: moderate cat.keyboard RGAAv4
RGAA-9.2.1 best-practice Found on: 2/13/2026 at 11:41 AM

Fig 5. Moderate issue 2 & 3: missing landmarks around logo & heading

All page content should be contained by landmarks 5

3 of 5 >

Click to learn more. Next Issue Previous Issue

Ensure all page content is contained by landmarks [more information](#)

Element Location: `tr:nth-child(3)`

```
<tr>
  <td>
    
  </td>
</tr>
```

To solve this problem, you need to fix the following:
Some page content is not contained by landmarks

Found: Automatically Impact: moderate cat.keyboard RGAAv4

All page content should be contained by landmarks 5

4 of 5 >

Highlight Share Issue

Ensure all page content is contained by landmarks [more information](#)

Element Location: `tr:nth-child(4)`

```
<tr>
```

To solve this problem, you need to fix the following:
Some page content is not contained by landmarks

Found: Automatically Impact: moderate cat.keyboard RGAAv4

RGAA-9.2.1 best-practice Found on: 2/13/2026 at 11:41 AM

Fig 6. Moderate issue 4 & 5: missing landmarks around hero image

All page content should be contained by landmarks 5 ▾

« < 5 of 5 > »

❖ Highlight ↗ Share Issue

Ensure all page content is contained by landmarks
[more information](#) ↗

Element Location: `tr:nth-child(5)` </>

```
<tr>
```

To solve this problem, you need to fix the following:

Some page content is not contained by landmarks

Found: Automatically Impact: moderate cat.keyboard RGAAv4

RGAA-9.2.1 best-practice Found on: 2/13/2026 at 11:41 AM

A screenshot of a web-based accessibility audit tool. The main title is "All page content should be contained by landmarks". Below it, a status bar shows "5" with a dropdown arrow. Navigation icons include arrows for previous/next, a magnifying glass, and a double arrow. Two buttons are present: "Highlight" with a diamond icon and "Share Issue" with a link icon. A horizontal line separates the header from the main content area. The main content area has a dark background. It displays the instruction "Ensure all page content is contained by landmarks" followed by a link "more information" with a link icon. Below this is an "Element Location" field containing the CSS selector "tr:nth-child(5)" and a code editor showing the HTML tag "<tr>". A large callout box contains the text "To solve this problem, you need to fix the following:" and "Some page content is not contained by landmarks". At the bottom, several circular tags provide metadata: "Found: Automatically", "Impact: moderate", "cat.keyboard", "RGAAv4", "RGAA-9.2.1", "best-practice", and "Found on: 2/13/2026 at 11:41 AM".

Fig 7. Moderate issue 6: missing landmarks