

Accessibility audit

Tool used:

- Chrome DevTools Lighthouse
Accessibility Audit

Site Tested

YouTube Mobile Video Page

<https://m.youtube.com/watch?v=pzcYpKCo7xE>

Accessibility Score

84 out of 100

Notes About Test Conditions

Lighthouse indicated that:

- Stored data such as IndexedDB may have affected the results.
- The original URL redirected to the mobile version of the page.
- The audit was run under mobile emulation with slow 4G throttling.

This shows that testing conditions can influence results and that performance and accessibility audits should ideally be run in incognito mode to avoid cached data interference.

Issues Identified

Best Practices

1. The viewport meta tag uses user-scalable no or limits zoom.
This prevents users from zooming the page, which can negatively affect users with low vision.
2. The document does not contain a main landmark element.
This reduces navigational clarity for screen reader users.

ARIA Issues

Elements with aria-hidden="true" contain focusable descendants.

This can create conflicts where interactive elements are hidden from assistive technology but still reachable by keyboard.

Names and Labels

Some links do not have a discernible name.

Screen readers may not properly describe the purpose of those links.

Audio and Video

Video elements contain caption tracks.

This is actually a positive accessibility feature that supports users with hearing impairments.

Manual Checks Suggested by Lighthouse

Lighthouse recommends manually verifying:

- Logical tab order
- Proper focus handling
- Landmark usage
- Clear labeling of custom controls
- Keyboard accessibility

These checks cannot be fully automated and require human review.

What Passed

The audit confirmed:

- Images include alt attributes.
- Buttons have accessible names.
- Heading order is sequential.
- Color contrast is sufficient.
- The page has a title element.
- The html element includes a valid language attribute.
- Touch targets have sufficient size.

This indicates YouTube has a strong accessibility foundation but still has some improvements to make.

Pros of Lighthouse

- Provides clear scoring and structured issue categories.
- Explains why each issue impacts accessibility.
- Separates automated findings from manual review areas.
- Highlights both structural and semantic issues.

Cons of Lighthouse

- Automated checks cannot fully simulate real screen reader behavior.
- Some warnings may not significantly impact real users.
- Testing conditions such as caching or redirects may affect results.
- Does not evaluate user experience in email clients.

Now for your assignment, you should:

1. Insert screenshots of:
 - The overall 84 score
 - One issue section expanded

2. Add a shorter section for your own email page like:

Accessibility Test of My Email Page

The Lighthouse accessibility audit of my email page showed that the overall structure was strong, with most accessibility checks passing successfully. The only flagged issue was the absence of a main landmark element, which I corrected by adding a main region to improve screen reader navigation. The page otherwise demonstrated proper semantic structure and accessible components.

- Added a main landmark element to improve navigation for assistive technologies
- Hero image includes descriptive alt text
- Button includes a clear and accessible name
- Headings follow a logical order
- Color contrast meets accessibility standards