

2. Required semantics only

The following must be integrated to conform legally with WCAG 2.0 AA guidelines.

[[Page titles](#)] [[Language](#)] [[Headings](#)] [[Navigation](#)] [[Links](#)] [[Lists](#)] [[Tables](#)] [[iFrames](#)] [[Other \(content\)](#)]

Page titles

- Must be present.
- Must be updated when the URL changes.
- Must be accurate and informative.

Language

- Must be identified accurately in the <html> tag with a valid language code. Example: `<html lang="en">`
- Valid lang attribute must be used for inline language changes. Example: `<p>And then I said in a German accent, Bach ist ein Komponist..</p>`

Headings

- Must be accurate and informative.

Navigation

- Navigation must be consistent in presentation order across website
- Skip link must be visible on keyboard focus (or at all times).
- Reading order must be logical.
- Navigation order of focusable elements must be logical.

Links

- Must be visually distinguishable from surrounding text. Color alone isn't enough unless color contrast is at least 3:1, *and* hovering or focus provides additional differentiation.
- Must be semantically designated as links. Example: `Cornell University`
- Must have programmatically-discernible text. Example: 1) *if an image is used inside a link, put link text in the alt tag* 2) *if an icon is used, add an aria-label such as:* `<icon html... >`
- Link labels and text alternatives must be consistent across the website. Example: *don't use "Contact Us" and "Give us a call" for the same URL*
- Anything focusable (that you can tab to) must have visual indicator appear when it's focused.

Lists

- Must use HTML semantic markup. Example: `Grain-fed bats`

Tables

- Headers must use <th>
- Data header text must describe category of the corresponding data cells.
- Data cells must be associated with their corresponding header cells.
- Data group headers must be associated with their corresponding data cell groups.
- Header/data associations that can't use <th> and scope must use with headers plus id
- Data headers and data associations must not be referenced across nested, merged, or separate tables.
- Layout tables must not contain data table markup.

iFrames

- must have a descriptive title Example: `<iframe title="Star Wars: The Last Jedi trailer">` and be unique in relation to other iFrames on the page
- for iframes bringing in other web pages, the external page must have a <title>

Other (content)

- Important strikethrough text must be supplemented with a text-based method to convey the meaning of the strikethrough.
- Important insertion text must be supplemented with a text-based method to convey the meaning of the insertion.