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A11y Tools

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A11y – Evaluation Tools

- NG Lint
  - **@angular-eslint/template/accessibility**
  - **eslint-plugin-jsx-a11y**
- Tools
  - **Lighthouse** Chrome DevTools
  - **WAVE** Website for testing properties / Chrome Ext.
  - Accessibility Insights Chrome Extension

Tools

A11y – Testing Tools

- axe-core JS plugin
  - axe DevTools Chrome Extension
- jest-axe
- vitest-axe
- WICK-A11Y (Cypress)
- @axe-core/playwright
- @axe-core/puppeteer
- StoryBook Addon

A11y – Screenreader

- **NVDA** (Windows, free, okay)
- Narrator (Windows, built-in, bad)
- Jaws (Windows, paid, better)

- **Voice Over** (Mac / iOS, Mac: Cmd + F5)

- TalkBack (Android)

- Orca (Linux)

Tools

A11y – Other Tools

- **whocanuse.com** Website for color contrasts
- HeadingsMap Chrome extension
- ChatGPT and others ☺

Angular ESLint A11y

– @angular-eslint/template/accessibility

– just 1 addition in your .eslintrc.json

```
{
  "files": ["*.html"],
  "extends": ["plugin:@angular-eslint/template/accessibility"],
}
```

– or in your flat config (eslint.config.js)

```
{
  files: ['**/*.html'],
  extends: [...angular.configs.templateAccessibility],
}
```

NG ESLint A11y

Demo

@angular-eslint/template/accessibility

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Lighthouse Chrome DevTools

- Best Practices tests for
  - Performance
  - Accessibility
  - Other BP
  - SEO
  - PWA
- Testing on **localhost**
- To test performance, needs prod build
- https://pagespeed.web.dev/

Lighthouse

Demo

Lighthouse

web a11y evaluation tool

– WAVE website

– A suite of evaluation tools that helps authors make their web content more accessible to individuals with disabilities

– WAVE Chrome Extension

Wave

Demo

WAVE

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Screen Reader

- Windows user should install NVDA
  - https://www.nvaccess.org/download
- Mac: use built-in VoiceOver (Cmd + F5)
- Linux: Orca

Screen Reader

Demo

VoiceOver (Cmd + F5)

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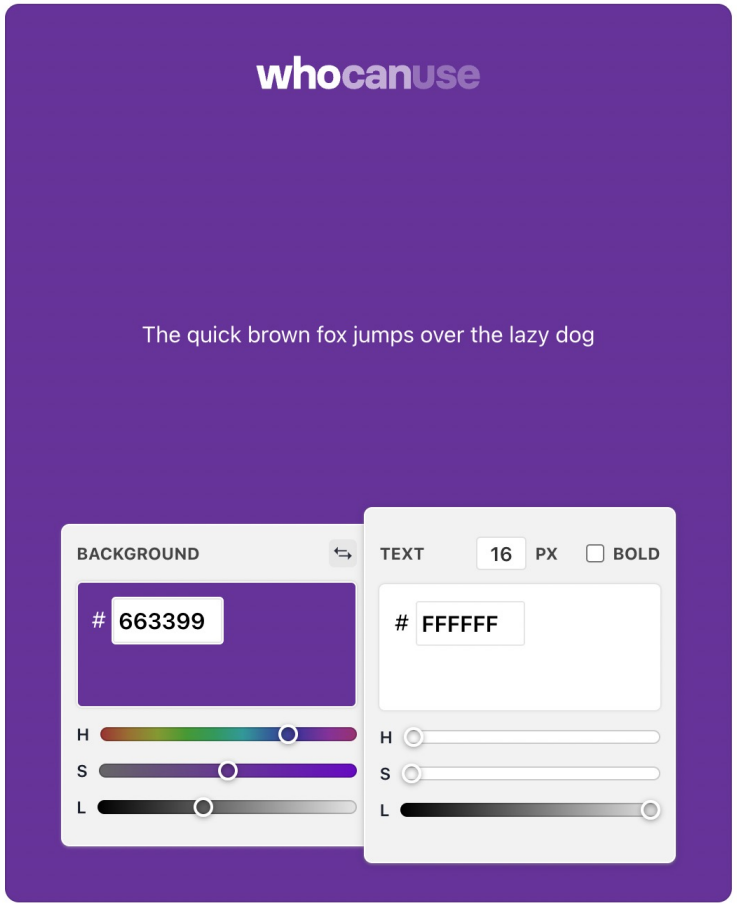
whocanuse.com

– fancy color tester

– just use it whenever defining colors (CSS)



Color Contrast

Demo

whocanuse.com

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