Sample accessibility review (automated and code-level, not a formal WCAG audit)

A worked example of how Rosemark Co checks and documents accessibility issues, using a live website we built and run for our own web design work, so that nothing about a client or third party is published.

> **Please read first.** This is **not a formal WCAG audit** and was not carried out by a qualified or certified accessibility auditor. It covers automated and code-level checks plus a few scripted browser checks against selected WCAG 2.2 Level A and AA success criteria. It does not include screen-reader testing or testing with people with disability, so it cannot confirm WCAG 2.2 AA conformance. The checks were AI-assisted; a person reviews the findings before this document is used.

Site and host tested	Our own live web design studio website (served via Cloudflare). The site address is available on request. An older copy of the site on a separate preview address is a different build and was **not** reviewed.
Pages	Home `/` · Work `/work/` · Web design Melbourne `/web-design-melbourne/`
Date	Fetched and checked 31 October 2026, about 8:30 pm AEDT (Melbourne time)
Standard	WCAG 2.2, Levels A and AA (only the criteria listed in section 3)
Tools	curl (raw HTML and inline CSS) · Python with BeautifulSoup (structure checks) · a Python contrast script using the WCAG 2.x formula · axe-core 4.14.0 in headless Google Chrome · scripted Tab order, 320px reflow and text-spacing checks in headless Chrome

1. Summary

18	3	7	2	9
PASS	FAIL	ADVISORIES	NOT APPLICABLE	NOT TESTED

Counts are per success criterion across all three pages. A criterion counts as a fail if any page fails it. "Advisories" are best-practice improvements that we did not judge to be AA failures on their own.

Headline: the site does well on page titles, language, image text alternatives, visible focus and almost all colour contrast (17 of the 18 colour pairs we measured pass). We found **three AA failures**, all quick to fix:

1. **Reflow (1.4.10, AA):** at 320px wide, the Home page scrolls sideways (page is 601px wide) and so does the Work page (352px).
2. **Contrast (1.4.3, AA):** one link on the Home page uses the browser's default blue (`#0000ee`) on the near-black background, giving **2.09:1** against the 4.5:1 minimum.
3. **Link purpose (2.4.4, A):** three "Begin" buttons, two "Add to my quote" buttons and four "Pay A$245" buttons have no programmatic context saying which package they relate to.

2. Findings: failures

F1 · 1.4.10 Reflow · Level AA · Severity: Medium · Pages: Home, Work

Evidence: with the viewport set to 320 × 800 CSS px, `document.documentElement.scrollWidth` was **601px on Home** and **352px on Work** (Web design Melbourne: 320px, pass).

Home: the `.svc-grid` cards ("Service · Business websites", "Area · Web design Richmond" and others) stay in three columns. The one-column rule `.tiers.seo,.svc-grid{grid-template-columns:1fr!important}` exists only in the stylesheet used by sub-pages, not in the Home page's own CSS.

Work: `.wk{grid-template-columns:repeat(auto-fill,minmax(330px,1fr))}` forces each card to at least 330px, wider than the 276px available.

Fix: add `.svc-grid{grid-template-columns:1fr!important}` inside the Home page's `@media(max-width:800px)` block; on Work, change to `minmax(min(330px,100%),1fr)`. Re-check at 320px.

F2 · 1.4.3 Contrast (Minimum) · Level AA · Severity: Medium · Page: Home

Evidence: `<a href="/website-cost-melbourne/">2026 guide to website costs in Melbourne</a>` inside `.areas-intro`. The Home CSS has no general `a{color}` rule, so the link uses the browser default `#0000ee` on `#0b0b0c`: **2.09:1** (needs 4.5:1 at 18px). Found by axe-core and confirmed with our contrast script.

Fix: add `.areas-intro a{color:#d4af37}` (9.36:1), or a site-wide `a{color:#d4af37}`, and keep the underline.

F3 · 2.4.4 Link Purpose (In Context) · Level A · Severity: Low · Page: Home

Evidence: `<a class="btn ghost" data-tier="Essential" href="#contact">Begin</a>` (×3), `<a class="btn" href="#contact" data-seo="Local Growth">Add to my quote</a>` (×2), `Pay A$245` (×4, all to the same Stripe link). The package name sits in `<span class="tn">`, which is not a heading, paragraph, list item or table cell, so assistive technology cannot tie the link to it. In a links list these read as "Begin, Begin, Begin".

Fix: turn `.tn` into a heading (for example `<h3 class="tn">`) or add context, for example `<a …>Begin<span class="sr-only"> with Essential</span></a>` or `aria-label="Begin with Essential, A$490"`. Keep the visible text at the start of the accessible name (2.5.3).

3. Results by success criterion

SC	Name	Level	Result	Evidence (summary)
1.1.1	Non-text Content	A	Pass	Every `<img>` on the three pages (15 on Home) has meaningful `alt`. Advisory A5 covers decorative SVGs.
1.3.1	Info and Relationships	A	Pass	One `h1` per page and lists marked up correctly (axe). See advisories A1, A3.
1.4.1	Use of Colour	A	Pass	Links inside text keep their underline (axe `link-in-text-block`).
1.4.3	Contrast (Minimum)	AA	Fail	F2. 17 other colour pairs pass (section 4).
1.4.4	Resize Text	AA	Pass	`<meta name="viewport" content="width=device-width,initial-scale=1">`: no `maximum-scale` or `user-scalable=no`.
1.4.10	Reflow	AA	Fail	F1 (Home, Work).
1.4.11	Non-text Contrast	AA	Pass	Outline button border `#d4af37` on `#0b0b0c` = 9.36:1.
1.4.12	Text Spacing	AA	Pass	WCAG spacing values injected: no clipped text or sideways scroll at 1280px.

SC	Name	Level	Result	Evidence (summary)
2.1.1	Keyboard	A	Pass	All links are native `<a href>`, with no positive `tabindex`. See A4 (images that only respond to a click).
2.2.2	Pause, Stop, Hide	A	Pass	Marquee animation is switched off: `.mq{animation:none!important}`.
2.4.1	Bypass Blocks	A	Pass	Headings mark each section (axe `bypass`). See A1, A2.
2.4.2	Page Titled	A	Pass	Unique, descriptive titles, for example "Recent Work: Café Website Concepts | [studio name]".
2.4.3	Focus Order	A	Pass	First 12 Tab stops on each page follow the visual order (logo, nav, calls to action).
2.4.4	Link Purpose (In Context)	A	Fail	F3.
2.4.6	Headings and Labels	AA	Pass	Headings describe their sections.
2.4.7	Focus Visible	AA	Pass	No `outline:none` rules. Chrome's default focus ring was visible in a screenshot. See A6.
2.4.11	Focus Not Obscured (Min.)	AA	Pass	No `position:sticky` or `fixed` headers or banners in the CSS.
2.5.8	Target Size (Minimum)	AA	Pass	Nav links are 16px tall but meet the spacing exception (gaps of 38px on desktop and about 32px between rows on mobile). axe `target-size` passed.
3.1.1	Language of Page	A	Pass	`<html lang="en-AU">` on all three pages.
3.2.3	Consistent Navigation	AA	Pass	Same nav order on all pages. Home adds "Add-ons" but keeps the order.
4.1.2	Name, Role, Value	A	Pass	No custom widgets and no ARIA attributes used, so nothing is misused. Every link has an accessible name (axe `link-name`).
3.3.2	Labels or Instructions	A	N/A	No form fields on these pages. Enquiries go by email link.
1.4.13	Content on Hover or Focus	AA	N/A	No tooltips or hover pop-ups found.

4. Colour contrast, calculated from the site's CSS

Ratios use the WCAG 2.x relative-luminance formula. Semi-transparent colours were blended onto their background first. For gradient text and buttons we tested the stop with the **lowest** contrast.

Text and background	FG	BG	Ratio	Needed	Result
Body text (#f3e9d2) on page bg (17px/300)	`#f3e9d2`	`#0b0b0c`	16.30:1	4.5:1	Pass
.lead (#f3e9d2 at opacity .82) on bg (20px/300)	`#c9c1ae`	`#0b0b0c`	10.98:1	4.5:1	Pass
Muted text #a89f8a on page bg (15-19px)	`#a89f8a`	`#0b0b0c`	7.49:1	4.5:1	Pass
Muted text #a89f8a on alt bg #151517 (12-16px)	`#a89f8a`	`#151517`	6.94:1	4.5:1	Pass
Muted text #a89f8a on card gradient start (15px)	`#a89f8a`	`#2e2a1b`	5.46:1	4.5:1	Pass
Muted text #a89f8a on featured tier start (16px)	`#a89f8a`	`#3b341d`	4.71:1	4.5:1	Pass
Secondary text #cbbf9f on page bg (14-15px)	`#cbbf9f`	`#0b0b0c`	10.77:1	4.5:1	Pass
Gold text #d4af37 on page bg (12-15px)	`#d4af37`	`#0b0b0c`	9.36:1	4.5:1	Pass

Text and background	FG	BG	Ratio	Needed	Result
Gold text #d4af37 on alt bg (11-13px)	`#d4af37`	`#151517`	8.67:1	4.5:1	Pass
Gold text #d4af37 on featured tier start (12-13px)	`#d4af37`	`#3b341d`	5.89:1	4.5:1	Pass
Button text #0b0b0c on gold #d4af37 (13px/500)	`#0b0b0c`	`#d4af37`	9.36:1	4.5:1	Pass
Button text #0b0b0c on darkest gradient stop #a37c22 (13px/500)	`#0b0b0c`	`#a37c22`	5.12:1	4.5:1	Pass
Ghost button text #f3e9d2 on bg (13px/500)	`#f3e9d2`	`#0b0b0c`	16.30:1	4.5:1	Pass
Marquee separator #d4af37aa on #151517 (~11-23px)	`#947c2c`	`#151517`	4.50:1	3.0:1	Pass
Gradient heading text darkest stop #b8892b on bg (44-88px)	`#b8892b`	`#0b0b0c`	6.23:1	3.0:1	Pass
Gradient price text darkest stop #9c7520 on #151517 (58-68px)	`#9c7520`	`#151517`	4.32:1	3.0:1	Pass
Badge #0b0b0c on #d4af37 (10px/600)	`#0b0b0c`	`#d4af37`	9.36:1	4.5:1	Pass
Link in `.areas-intro` (browser default blue), 18px	`#0000ee`	`#0b0b0c`	2.09:1	4.5:1	Fail

```
def lum(h):  # WCAG 2.x relative luminance
    c=[int(h[i:i+2],16)/255 for i in (1,3,5)]
    c=[v/12.92 if v⩽0.04045 else ((v+0.055)/1.055)**2.4 for v in c]
    return 0.2126*c[0]+0.7152*c[1]+0.0722*c[2]
ratio=lambda a,b:(max(lum(a),lum(b))+0.05)/(min(lum(a),lum(b))+0.05)
```

5. Advisories (best practice, not AA failures on their own)

#	Topic	Evidence	Suggested fix
A1	No `<main>` landmark on Home; 22 blocks sit outside any landmark (axe `landmark-one-main`, `region`)	Home body is `<header>`, eight `<section>`s, `<footer>`	Wrap the content between header and footer in `<main id="main">`.
A2	No skip link on any page	First Tab stop is the logo, then 6–7 nav links	Add `<a class="skip" href="#main">Skip to content</a>` that shows on focus.
A3	Heading level skipped on Work (`h1` → `h3`)	`<h3>Sam's Cafe</h3>` follows the `h1` (axe `heading-order`)	Add an `h2` such as "Café concepts", or make the card titles `h2`.
A4	Images that only respond to a mouse click on Home	`<img onclick="location.href='/samples/draventhal-construction/'" style="cursor:pointer">` (×3)	Wrap each image in an `<a href>`. The same pages are reachable by keyboard from the gallery, so this is not a 2.1.1 failure.
A5	Decorative inline SVG icons are not hidden	4 × `<svg viewBox="0 0 24 24">` in the "What you get" cards	Add `aria-hidden="true" focusable="false"`.
A6	Focus style relies on the browser default	Only `.contact input:focus` has a custom outline	Add `a:focus-visible,.btn:focus-visible{outline:2px solid #f6e27a;outline-offset:3px}`.
A7	No `prefers-reduced-motion` support (relates to 2.3.3, Level AAA)	`html{scroll-behavior:smooth}`, hover `transform:translateY(-4px)`	Wrap these in `@media (prefers-reduced-motion: no-preference)`.

6. Not tested

These were outside this review. A formal audit would need them before anyone could claim WCAG 2.2 AA conformance.

#	Not tested	Why
N1	Screen readers (NVDA, JAWS, VoiceOver, TalkBack)	Not a service we offer today; needs a qualified tester.
N2	Testing with people with disability	Outside scope.
N3	A full manual keyboard walk-through of every page	Only the first 12 Tab stops per page were scripted.
N4	Visual checks at 200% and 400% zoom in a real browser, and other browsers (Safari, Firefox, Edge)	Only headless Chrome was used.
N5	Windows high-contrast or forced-colours mode	Needs a browser on Windows.
N6	Video and media (1.2.x), including `/videos/sample-site-scroll/`	Page not in scope.
N7	Linked third-party pages (Stripe, Calendly, sample sites)	Not ours to assess here.
N8	1.3.2 Meaningful Sequence, 1.3.4 Orientation, 3.2.1 and 3.2.2 (On Focus, On Input)	Need assistive technology or a manual device check.
N9	Readability and cognitive load	Needs human judgement; no criterion was scored.

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This sample is a review of our own site only. It is not a certification, a formal audit or a statement of WCAG conformance. Results reflect the site as fetched on 31 October 2026.

7. Re-checked after fixes · 31 October 2026, 9:12 pm AEDT

The counts in sections 1 to 5 describe the first check at about 8:30 pm. After fixes went live, we re-ran the same automated and scripted checks (axe-core 4.14.0, 320px reflow, accessible names of links and buttons) on **four pages only**: Home, Work, Web design Melbourne and Website cost Melbourne. This is still not a formal WCAG audit.

Item	Result on the four pages
F1 · 1.4.10 Reflow	Pass All four pages are 320px wide at a 320px viewport.
F2 · 1.4.3 Contrast	Pass The default-blue text link is gone; axe reports no contrast violations. axe could not decide 3 to 143 text items per page (for example text over gradients), so those were not scored automatically.
F3 · 2.4.4 Link Purpose	Pass Every "Add to my quote" button now has its own name (for example "Add to my quote: Local Foundation" and "Add to my quote: Local Growth"). No link or button on the four pages has the same name but a different destination, and none is unnamed.
A1–A7 advisories	Fixed on the pages tested (one `<main>`, skip link, heading order, named image links, hidden decorative SVGs, custom focus style, `prefers-reduced-motion` support).
axe-core	0 violations on each of the four pages.

Other pages on the site were **not** re-tested by us. A separate earlier check found that the 11 sample/demo pages are wider than a phone screen at 390px and that axe flags contrast inside the fictional sample mockups. Those are demo pages and are outside the scope of this review.