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# renderreport — Component Catalog

Visual reference of all registered components

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# 1. Layout

## 1.1 Section

Organises content into titled blocks. Supports levels 1–3.

### Level 3

## 1.2 SectionHeaderSplit

Two-column header: title on the left, body text on the right.

### MODULE REPORT

## Performance Analysis

Covers load time, Core Web Vitals, and resource budget across all crawled pages.

## 1.3 Divider

Horizontal rule.

## 1.4 Grid

Multi-column layout. `item_min_height` for uniform cell heights.

Columns

**3**

Min-Height

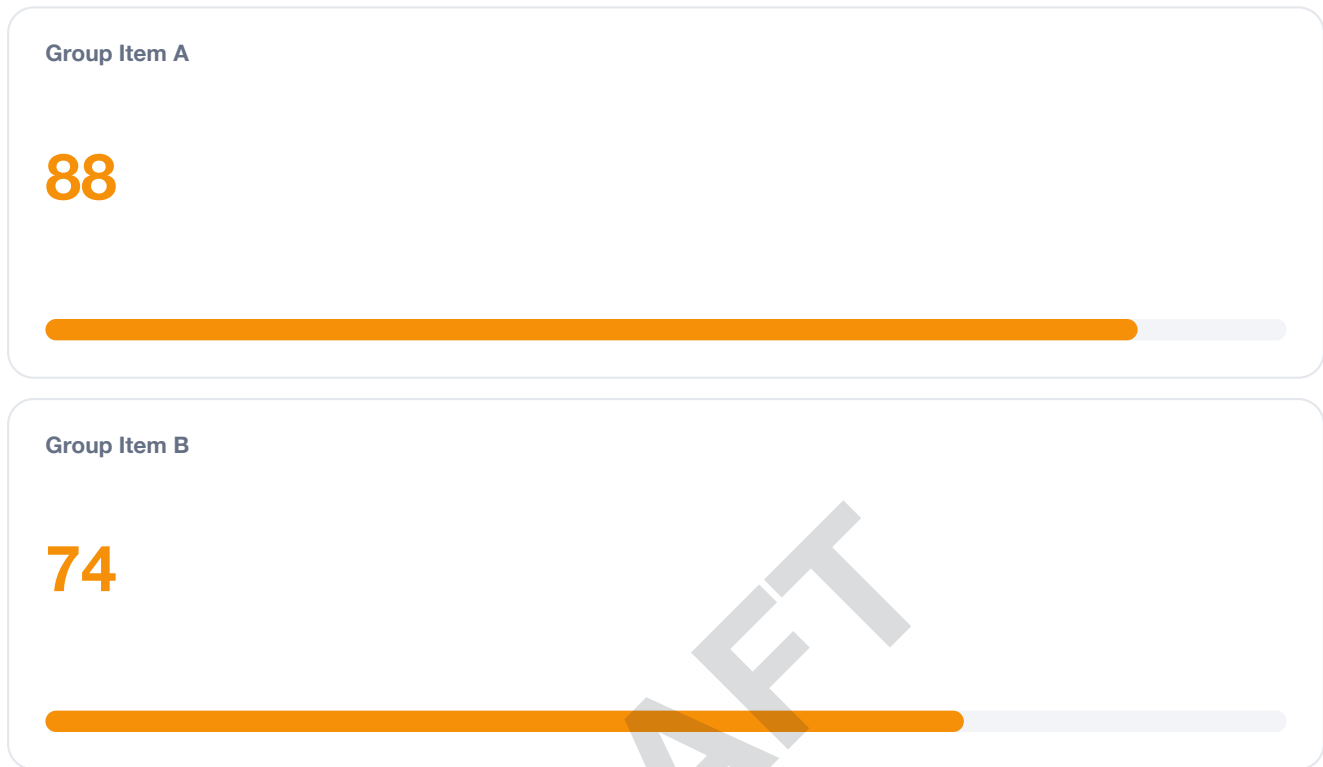
**80pt**

Gap

**16pt**

## 1.5 FlowGroup

Soft keep-together wrapper: stays on one page if it fits within `keep_together_if_under`.



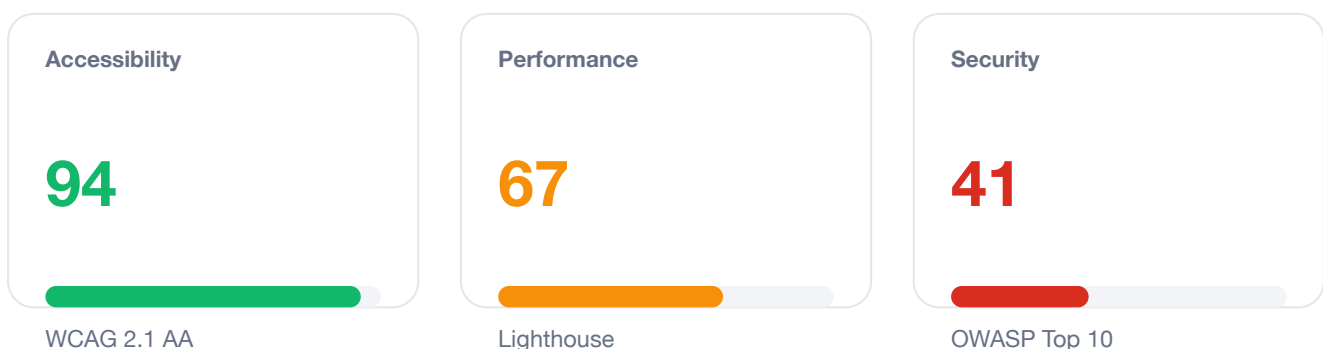
## 1.6 Watermark

Diagonal background text. Built-in presets: `draft()`, `confidential()`. Placed as overlay on the current page.

# 2. Score & Metrics

## 2.1 ScoreCard

Score 0–100 with automatic Good/Warn/Bad status. Optional fixed height.



## 2.2 MetricCard

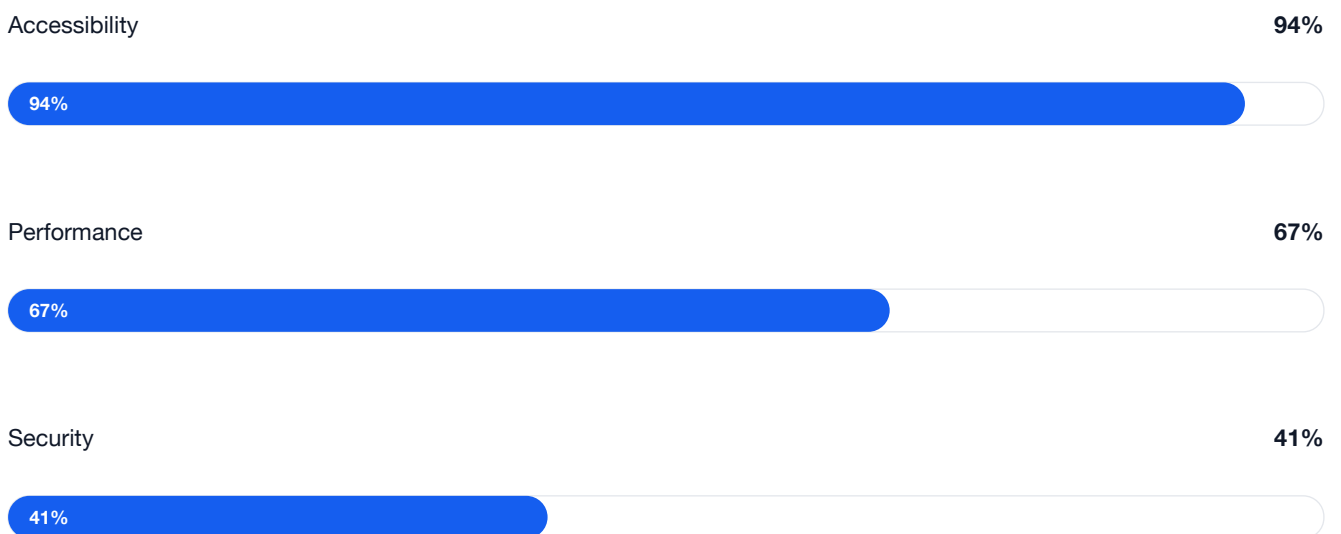
Key/value highlight with optional accent colour and fixed height.



## 2.3 Gauge



## 2.4 ProgressBar



## 2.5 ScoreBand

Overall Score



82

## 2.6 Stat

Single stat with optional unit, trend and accent.

Total Issues

**142** findings

Score Delta

**+21**

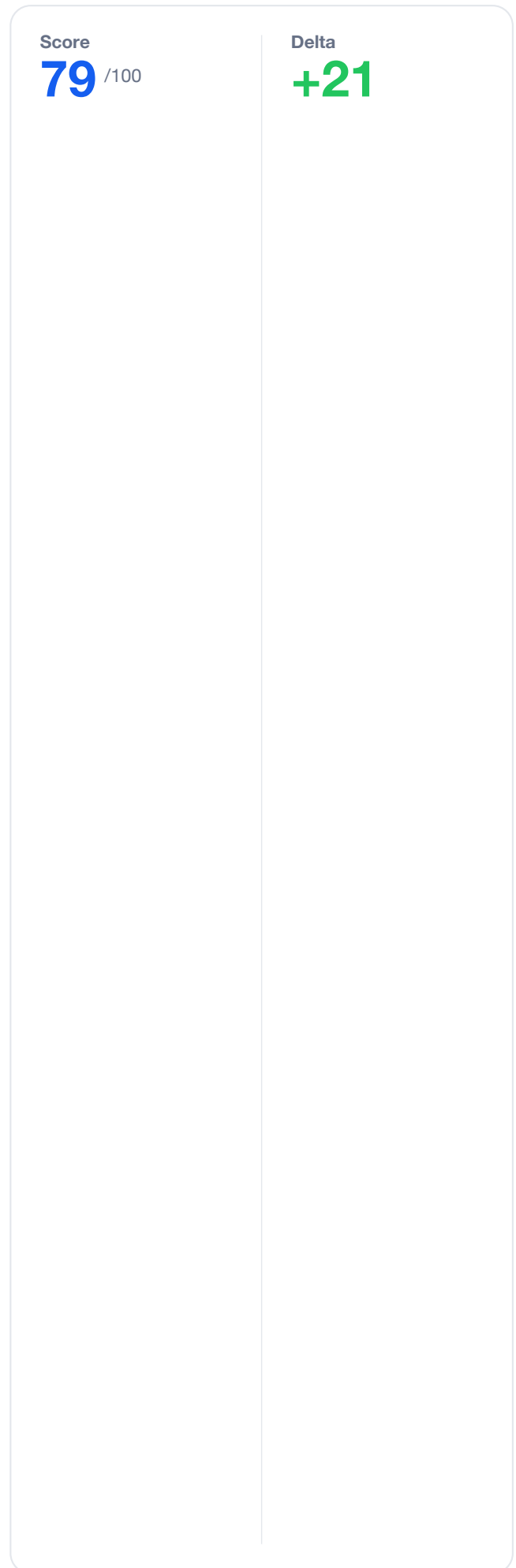
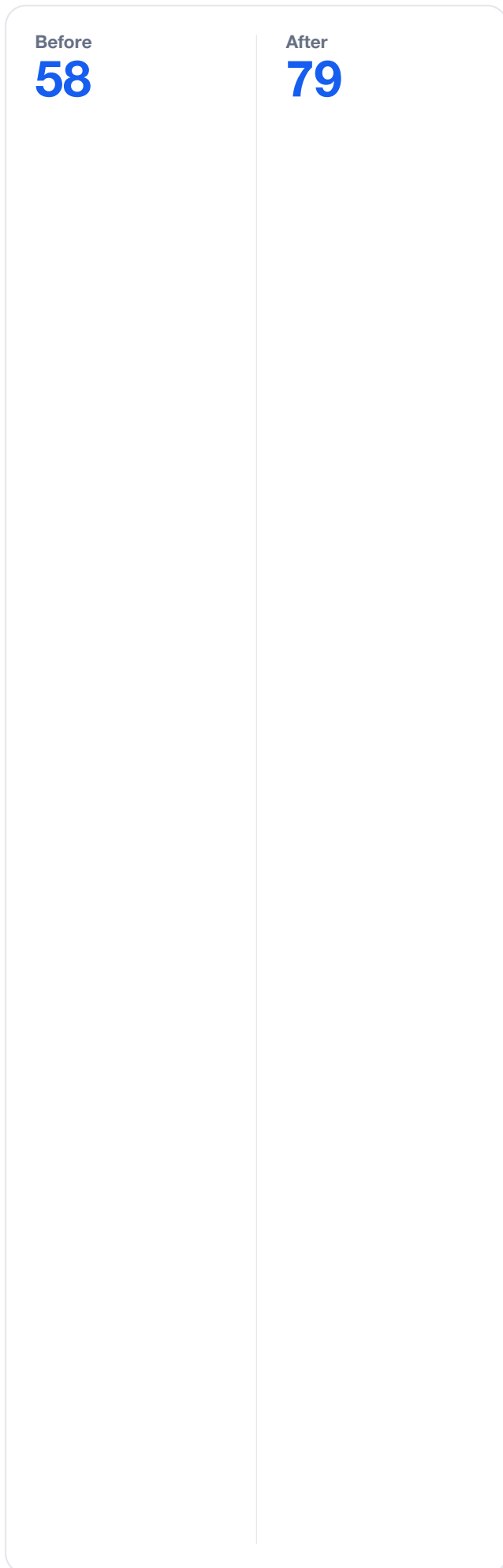
up

Revenue

**€2.4M**

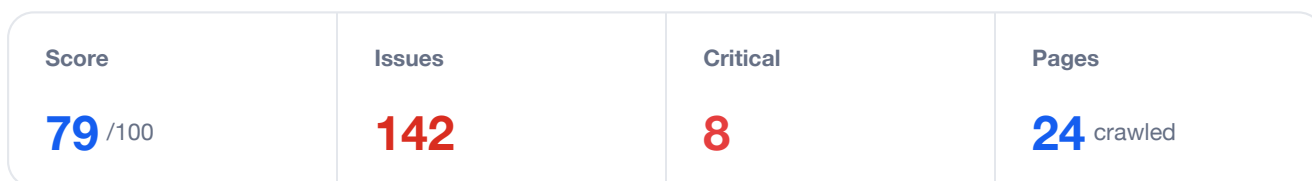
## 2.7 StatPair

Two stats side by side.



## 2.8 MetricStrip

Compact horizontal strip of key metrics.

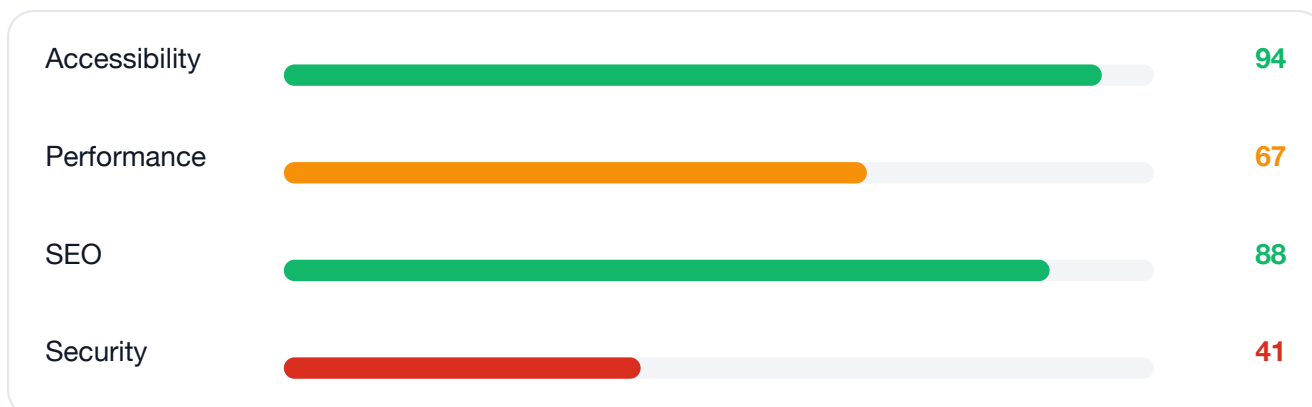


## 2.9 TrendTile



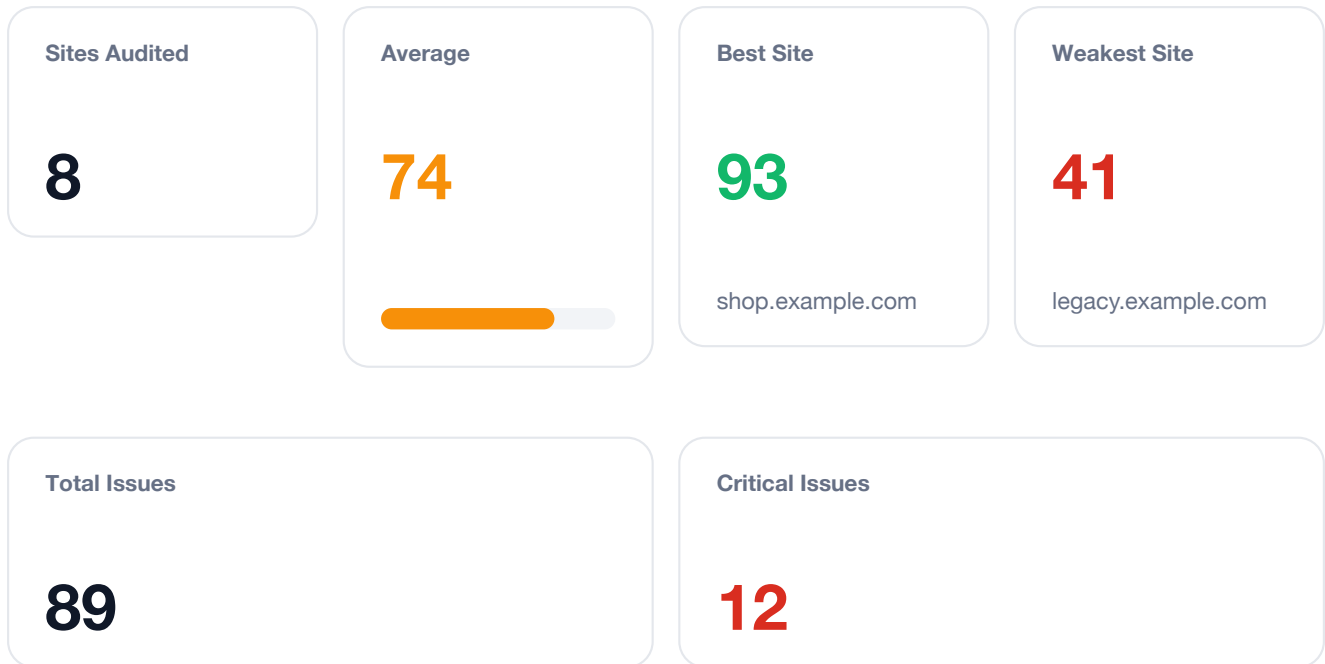
## 2.10 ModuleComparison

### Module Comparison



## 2.11 PortfolioSummary

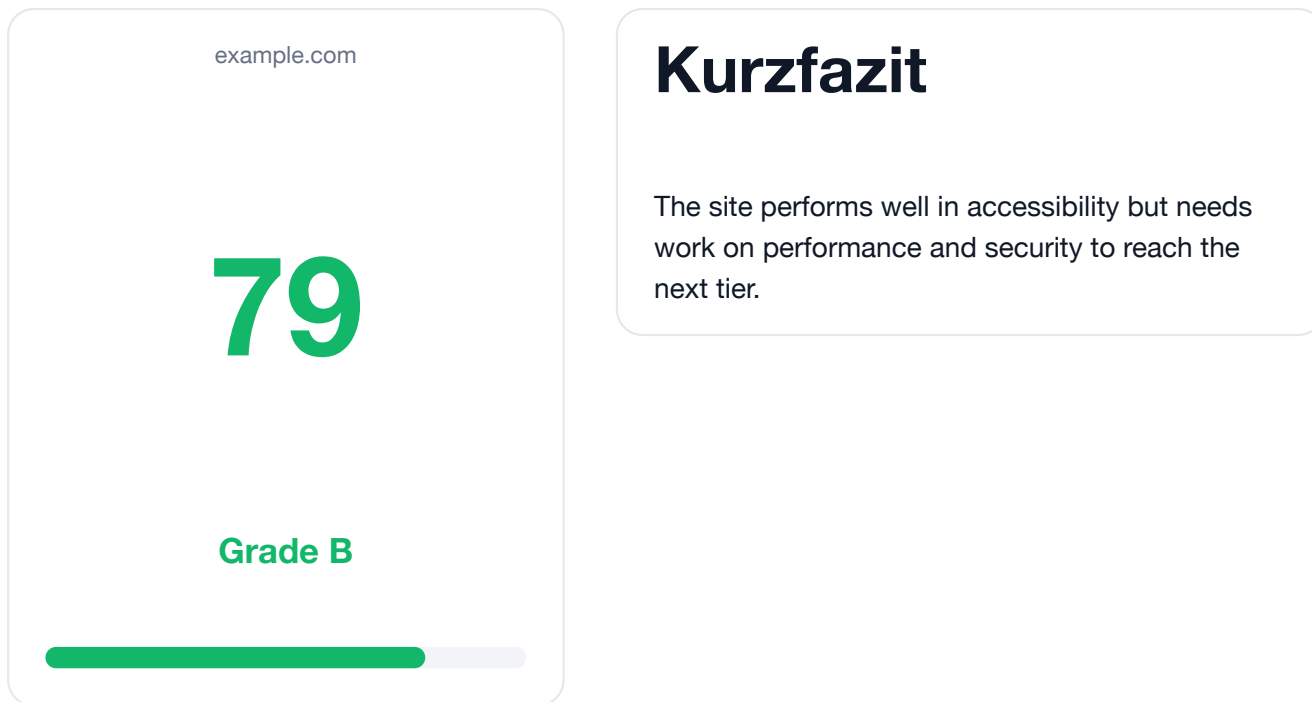
Portfolio-level overview card for batch benchmark reports.



## 3. Narrative & Hero

### 3.1 HeroSummary

Executive summary block with score, grade, verdict and key metrics.



#### Kurzfazit

The site performs well in accessibility but needs work on performance and security to reach the next tier.

Issues

**142**

Critical

**8**

### Top Actions

**1** Add alt text to 14 images

**2** Fix colour contrast on hero section

### Strengths

- ✓ No keyboard trap violations
- ✓ Valid SSL certificate

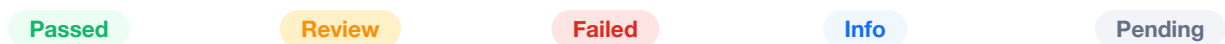
## 3.2 CardDashboard

Grid of module score cards with interpretation text.



## 3.3 StatusPill

Compact colour-coded status badge. Built-in presets: good, warn, bad, neutral, info.



## 3.4 Eyebrow

Small uppercase label above a heading, typical in editorial design.

**MODULE REPORT**

**CONFIDENTIAL**

# 4. Charts

## 4.1 Chart — Bar

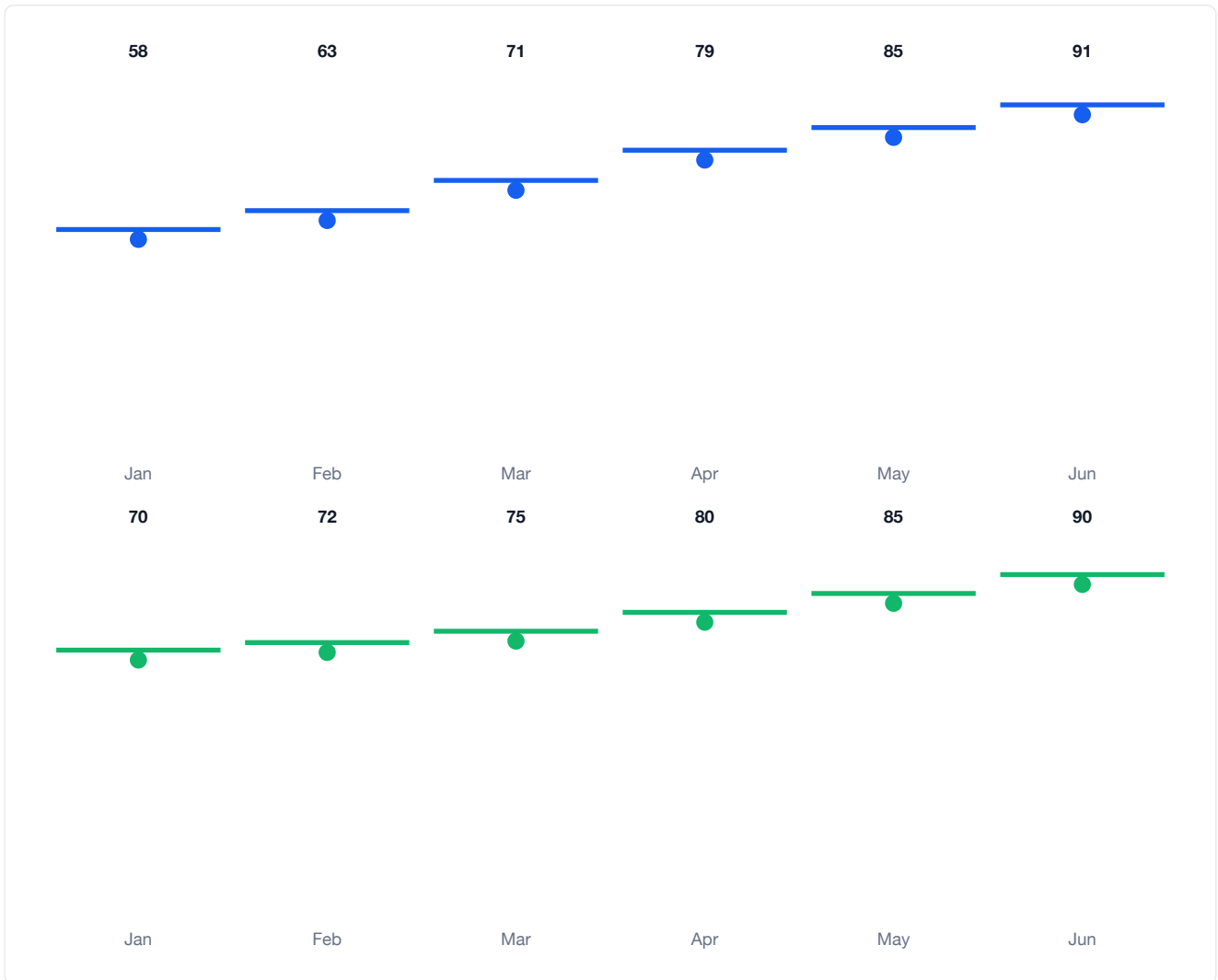
Types: bar, line, pie, area. Data via `add_series(name, Vec<(label, value)>)`.

### Issues by Category



## 4.2 Chart — Line (multi-series)

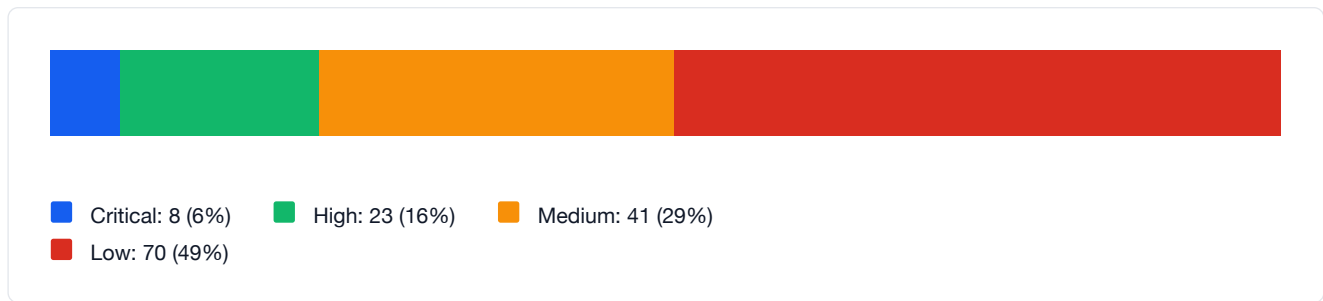
Score Trend



■ Score ■ Target

## 4.3 Chart — Pie

Issues by Severity



## 4.4 Sparkline

Compact inline trend chart. Types: bar, line.



# 5. Findings & Callouts

## 5.1 Finding

Structured audit finding with severity, description and recommendation.

**HIGH** **Images missing alternative text**

14 <img> elements have no alt attribute.

Add descriptive alt text to every meaningful image.

**HIGH** **Colour contrast ratio below 4.5:1**

Hero text uses #888888 on white — contrast ratio 3.5:1.

## 5.2 SpotlightCard

Full-width spotlight block for the single most impactful finding.

**TOP FINDING**

**Missing alternative text**

14 images across 8 pages have no alt attribute, blocking screen reader users from perceiving visual content.

Affects all screen reader users — estimated 15% of visitors.

**Add descriptive alt attributes to all meaningful images →**

**14**

## 5.3 ImpactGrid

Three-panel impact overview: user, risk, conversion.

### Issue Impact

User Impact

**Screen readers blocked**

14 images with no alt text prevent assistive technology users from accessing content.

**Risk Level****Compliance risk**

WCAG 2.1 AA non-compliance may trigger legal obligations in the EU and US.

**Conversion****Trust signal**

Accessibility issues correlate with higher bounce rates on mobile.

## 5.4 ChecklistPanel

Checklist-style diagnosis rows with status indicators.

**Accessibility Diagnosis**

● <b>Alt text</b>	14 violations found
● <b>Colour contrast</b>	7 violations found
● <b>Keyboard focus</b>	All interactive elements reachable
● <b>ARIA labels</b>	No violations detected
● <b>Skip links</b>	Missing on 3 pages

## 5.5 ComparisonBlock

Before/after comparison showing incorrect vs correct implementation.

**? Before**

```

```

**✓ After**

```

```

Always provide meaningful alt text for informative images.

## 5.6 Callout

Highlighted note block. Types: info, warning, success, error.

All automated findings should be verified manually.

3 critical issues require attention before release.

No WCAG 1.3.1 violations detected.

SSL certificate expires in 7 days.

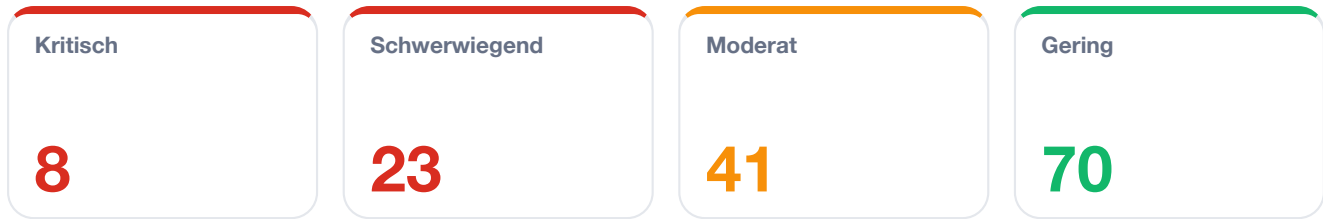
## 5.7 SummaryBox

### Audit Summary

URL	<b>https://example.com</b>
Crawled Pages	<b>24</b>
● WCAG Level	<b>AA</b>
● Mobile Friendly	<b>Issues found</b>

## 5.8 SeverityOverview

### Issue Overview



142 Verstöße insgesamt

## 6. Tables

### 6.1 AuditTable

Rule	Severity	Occurrences	WCAG
Missing alt text	critical	14	1.1.1
Low contrast	high	7	1.4.3
Missing label	medium	3	1.3.1
Skip link missing	low	1	2.4.1

### 6.2 BenchmarkTable

#### Benchmark Comparison

Nr	Domain	Score	A11y	SEO	Perf	Sec	Krit.
1	example.com	79	94	—	—	—	8
2	competitor-a.com	65	71	—	—	—	14
3	competitor-b.com	88	91	—	—	—	2
4	industry-avg	72	78	—	—	—	9

### 6.3 PivotTable

Pre-aggregated matrix of row × column values.

#### Module Scores by Quarter

	Q1	Q2	Q3	Q4
Accessibility	72	79	85	94
Performance	61	63	65	67
SEO	80	82	85	88

## 6.4 Crosstab

Aggregates raw row data across row and column dimensions.

### Scores by Region × Module

	Col 1	Col 2	Total
Row 1	100	150	250
Row 2	200	180	380
Total	300	330	<b>630</b>

Aggregation: avg of Score by Region × Module

# 7. Lists & Structure

## 7.1 List

### Quick Wins

- Add alt text to 14 images — 30 min effort
- Increase hero text contrast from 3.5:1 to 4.5:1
- Associate form labels with input IDs
- Add visible skip-to-content link

## 7.2 KeyValueCollection

Framework	React 18
Hosting	Vercel
CDN	Cloudflare
Analytics	Plausible

## 7.3 RoadmapBlock

**Quick Wins** 1 actions

**Short-term** 1 actions

**Long-term** 1 actions

### Add alt text to images

**Impact** high  
**Effort** 2h  
**Role** Developer

Fixes 14 critical findings

### Increase colour contrast

**Impact** medium  
**Effort** 4h  
**Role** Designer

Fixes 7 high findings

### Redesign navigation for keyboard users

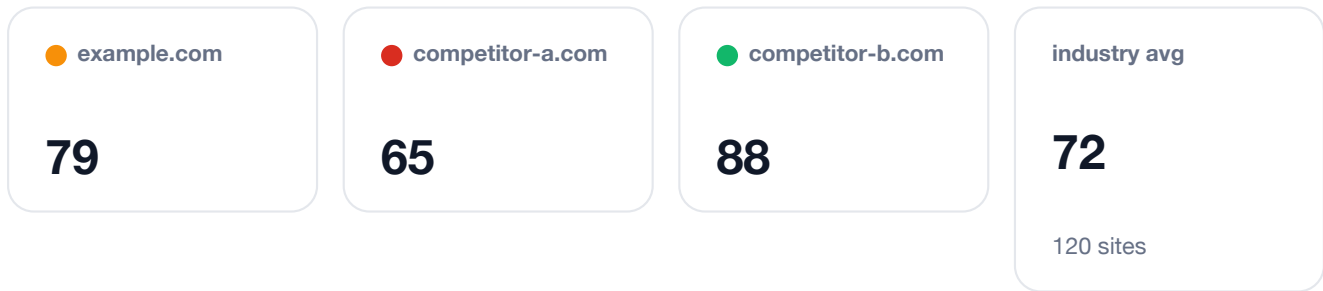
**Impact** low  
**Effort** 2w  
**Role** Design + Dev

Full keyboard accessibility

## 7.4 ComparisonCluster

Grid of comparison items with values and status.

### Score Comparison



## 7.5 SideLabel

Sidebar heading with optional subheading and bullet items.

### What we checked

Scope of this audit

- All public pages (24 crawled)
- WCAG 2.1 Level AA criteria
- Keyboard and screen reader behaviour

## 7.6 PhaseBlock

Numbered phase in a multi-step remediation plan.

### 1 Triage

Fix all critical and high findings.

- Add alt text to 14 images
- Fix colour contrast on hero section
- Associate form labels with inputs

## 7.7 DiagnosisPanel

Label–diagnosis rows with optional status indicators.

### Technical Health Check

● <b>Meta Descriptions</b>	12 pages missing
● <b>Alt Text</b>	All images covered
● <b>HTTPS</b>	Valid TLS 1.3
● <b>Core Web Vitals</b>	LCP needs improvement

## 7.8 DominantIssueSpotlight

Full-width spotlight for a single dominant issue.

**DOMINANT ISSUE** 12% Anteil

### Missing Meta Descriptions

12 of 24 pages have no meta description, reducing click-through rates from search results by up to 30%.

#### Nutzer-Wirkung

Users see generic snippets in search results, leading to lower engagement.

#### Empfehlung

Add unique, compelling meta descriptions (150–160 characters) to all pages.

## 7.9 WrongRightBlock

Before/after comparison — wrong vs. right.

#### Incorrect

```

```

#### Correct

```

```

Always provide descriptive alt text for informational images.

## 8. Text & Labels

### 8.1 Label

Default label

**Bold label**

Centred label

Coloured label

### 8.2 TextBlock

renderreport is a Rust library for building data-driven PDF reports using Typst as the embedded render engine. Components are declared in Rust, serialised to JSON, and rendered via Typst templates.

### 8.3 StatusPill (inline)

Already shown in section 3.3 — referenced for completeness.

## 9. Numbers, Dates & Barcodes

### 9.1 NumberField

Formatted number with optional prefix, suffix and locale.

42000

€ 2400

79 %

Score: 1234.56

### 9.2 DateField

2026-04-02

2026-04-02

2026-04-02

### 9.3 ResourceField

i18n resource lookup by key with locale.

Audit Report (de)

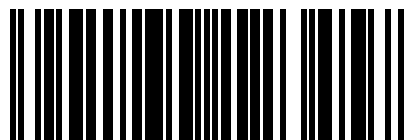
### 9.4 Barcode — 1D

Code128, EAN-13, QR, Data Matrix and more.



PROD-2026-XYZ-001

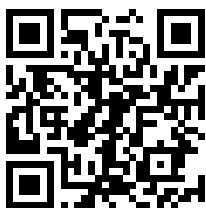
CODE128



5901234123457

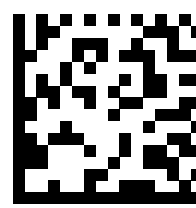
EAN13

### 9.5 Barcode — 2D



<https://github.com/casoon/renderreport>

QR\_CODE



ASSET-2026-001

DATA\_MATRIX

# 10. Image

Embeds an image from the assets map. Centred by default. Supports caption and width.

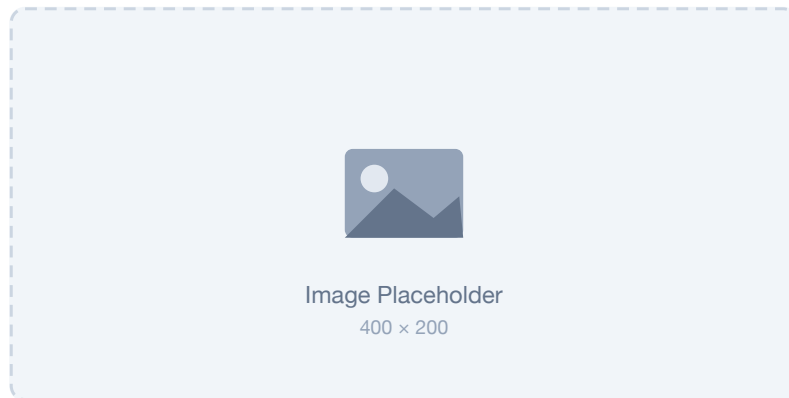


Figure 1: Example image with caption

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# 11. Marketing & Narrative

## 11.1 ProductHero

Full-page product/project introduction with highlights and CTA.

---

# renderreport

## Type-safe PDF reports from Rust

*Declare components as Rust structs. Render to PDF in milliseconds.*

Full type safety — catch errors at compile time

Theme system — customize every visual token

Component-driven — build complex layouts from reusable blocks

Fast rendering — 20-page PDFs in under 500ms

---

[View on GitHub](#)

## 11.2 FeatureGrid

Marketing feature/benefit grid with optional icons.

### Why renderreport?



#### Fast Rendering

PDF output in under a second.



#### Type-safe

All components are Rust structs.



#### Themeable

Custom tokens per report.



#### Extensible

Add custom Typst templates.

## 11.3 CTABox

Call-to-action block. Tones: primary, urgent, neutral.

### Start your first report today

renderreport is open source and ready to embed in your pipeline.

[View on GitHub](#) →

## 11.4 Testimonial



*renderreport saved us hours every sprint — our PDF reports now build in CI automatically.*

— **Engineering Lead**  
Example Corp

## 11.5 ProcessFlow

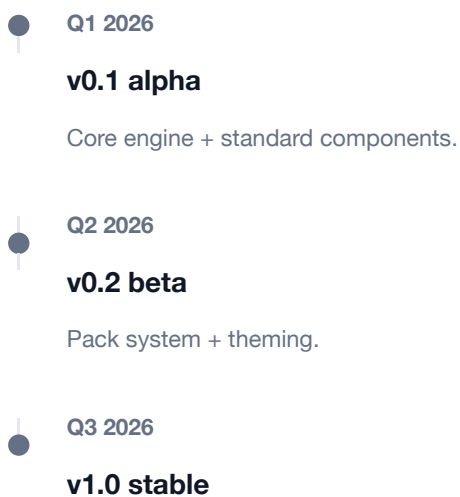
Linear process with numbered steps. Direction: horizontal or vertical.

### Report Pipeline



## 11.6 Timeline

### Release Timeline



## 11.7 Funnel

### Conversion Funnel



## 11.8 ProblemSolution

### The Problem

Generating PDFs manually is slow, error-prone, and hard to maintain.

### The Solution

renderreport lets you declare report components as Rust structs and render to PDF automatically.

## 11.9 BeforeAfter

### Before

Hand-written PDF layout in LaTeX — 300 lines of fragile code.

### After

renderreport: 30 lines of Rust, fully type-safe, CI-friendly.

## 11.10 WhyItMatters

### Why automation matters

Automated, reproducible reports eliminate human error and free engineers to focus on insights rather than formatting.

## 11.11 FactBox

### PERFORMANCE FACT

renderreport renders a 20-page PDF in under 500 ms on a standard CI runner.

## 11.12 QuoteBlock



*Good tools shape good reports. renderreport gives your data the presentation it deserves.*

— renderreport team

# 12. Phase 2 — Advanced Extensions

## 12.1 BenefitStrip

Horizontal benefit/feature strip for marketing intro and value prop.



### Fast

Sub-second PDF rendering



### Safe

Type-safe Rust API



### Themeable

Customize all tokens

## 12.2 PricingCard

Single pricing/plan card with features and highlight option.

**Professional**

**\$299** /month

For growing teams

- ✓ Up to 50 reports/month
- ✓ Custom themes
- ✓ Priority support

[Start Free Trial →](#)

**RECOMMENDED**

**Enterprise**

**Custom**

For high-volume needs

- ✓ Unlimited reports
- ✓ Dedicated SLA
- ✓ On-premise deployment

[Contact Sales →](#)

## 12.3 RecommendationCard

Lightweight recommendation: title + description + impact/effort/priority badges.

### Enable HTTPS for all endpoints

Encrypt traffic to prevent man-in-the-middle attacks.

**Impact: high**

**Effort: low**

**Priority: critical**

## 12.4 StepCardRow

Numbered steps displayed horizontally for process overview.



### Collect Data

Pull metrics from your systems



### Analyze

Identify patterns and insights



### Report

Generate and distribute PDF

## 12.5 Columns

Asymmetric two-column layout with flexible width ratio.

Your image or component would go here on the left (60% width).

Right column (40% width) for text, description, or complementary content.

## 12.6 FaqList

Question-answer pairs for FAQs and knowledge bases.

### Frequently Asked Questions

#### How does renderreport work?

It takes Rust structs as input, serializes them to JSON, and renders them via an embedded Typst engine.

#### Can I customize the styling?

Yes, the theme system lets you override every visual token globally.

#### What output formats are supported?

Currently PDF via Typst. HTML and other formats are planned for future releases.

## 12.7 UseCaseCard

Single use case with context, problem, solution, and optional outcome.

**Enterprise Audit Automation**

### LARGE ORGANIZATIONS WITH 50+ WEBSITES

#### Problem

Manual PDF audits take weeks and require coordination across teams.

#### Solution

renderreport generates consistent, type-safe audit reports in CI—eliminating manual steps and reducing turn-around to hours.

#### Outcome

Reduced audit time from 2 weeks to 2 hours per run.

## 12.8 LogoStrip

Display logos of customers, partners, or certifications.

### TRUSTED BY

TechCorp

InnovateLabs

CloudSystems

DataFlow Inc

## 12.9 PullQuote

Large, visually prominent full-width quote.

“

*renderreport transformed our reporting pipeline from a weeks-long manual process into a fully automated CI/CD workflow.*

— Engineering Director, FinTech Startup

## 12.10 BigNumber

Large metric display for impact statistics.

10x

**Faster report generation**

From 2 weeks to 2 days

## 12.11 GlossaryList

Term-definition pairs for reference and terminology.

### Glossary of Terms

#### Component

A reusable, type-safe building block for reports.

#### Theme

A set of design tokens controlling visual appearance.

#### Typst

A markup-based typesetting language used for rendering.

## 12.12 TagCloud

Coloured tag badges for status, labels, or keyword sets.

### WCAG Coverage

WCAG 1.1.1

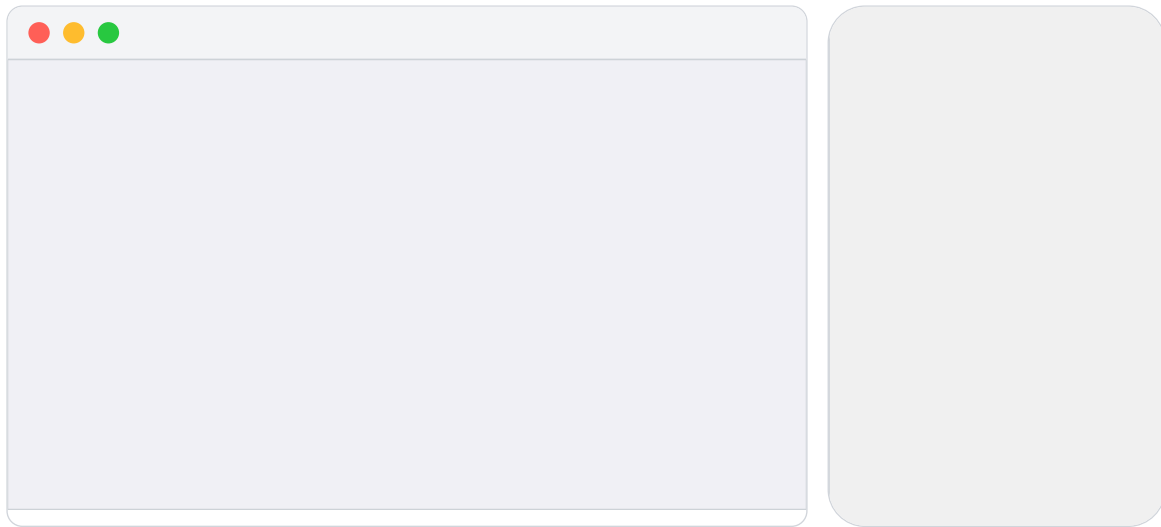
WCAG 1.3.1

WCAG 2.4.3

WCAG 4.1.2

## 12.13 DevicePreview

Side-by-side desktop / mobile screenshot comparison.



# 13. Report Patterns

Pre-configured component sequences for common report types. Patterns orchestrate components into a logical narrative flow: context → analysis → solution → actions → CTA.

## 13.1 Pattern Architecture

Every pattern follows BasePattern: hero (intro), context (why it matters), analysis (findings), solution (approach), actions (next steps), cta (call-to-action). Each pattern specializes this for a specific use case.

## 13.2 AuditPattern

For security/compliance audits. Hero: score/grade. Analysis: findings, impact grid, checklist. Solution: roadmap. CTA: schedule review.

## 13.3 MarketingPattern

For product/feature showcases. Hero: product intro. Analysis: features, benefits, comparison. Solution: process flow. Actions: testimonials, use cases. CTA: pricing/signup.

## 13.4 ExecutivePattern

For C-level summaries. Hero: key metrics. Analysis: top findings, risk assessment. Solution: strategic recommendation. Actions: implementation plan, timeline. CTA: approval/next meeting.