Website Speed Test   Learn More
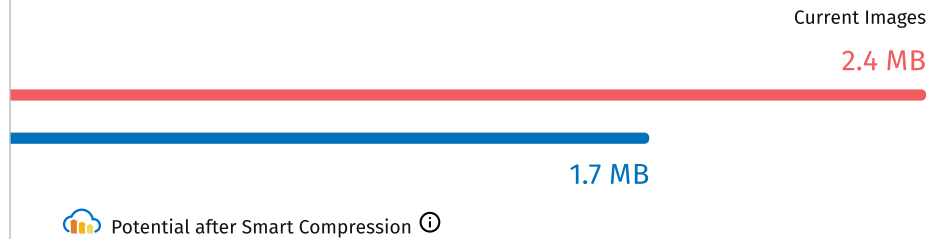
Powered By
Cloudinary

Image Analysis Results

https://www.smashingmagazine.com/2019/01/front-end-performance-checklist-2019-p...   Share Results

Page Image Score	Image Weight Comparison
B	Current Images
	2.4 MB
Good	1.7 MB
	Potential after Smart Compression ⓘ

Total Images Analyzed	Total Image Weight	Potential Compressed Weight ⓘ
50	2MB	69.8%

Tested on browser	From location
Chrome	Dulles

Viewport size	Device DPI
1366 x 712 px	96 DPI

Integrated with

WEBPAGETEST

Front-End Performance Checklist 2019 [PDF, Apple Pages, MS Word]

Smashing Newsletter
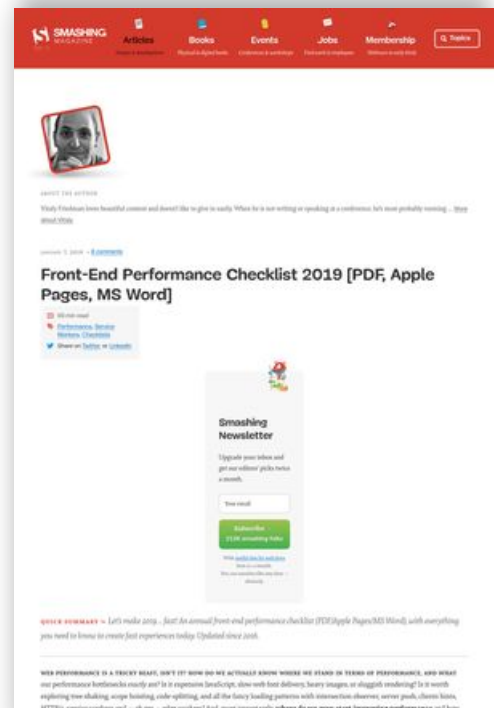
A   demo-unit-perf-tests.gif

GIF		817.4 KB	Current

Potential Smart Compression

GIF		817.4 KB	(100.0%)
WEBP		917.2 KB	(112.2%)
PNG		3.2 MB	(394.0%)

100.0%

725x572 → 725x572

See More

C viewport-percentage-match.webp

Viewport	Image Width in Layout	@1x Image Width	@1x Percentage Match	@2x Image Width	@2x Percentage Match	@3x Image Width	@3x Percentage Match
320px	292px	548px	187.7%	548px	93.8%	840px	95.9%
400px	372px	548px	147.3%	840px	112.9%	840px	75.3%
480px	452px	548px	121.2%	840px	92.9%	840px	61.9%
560px	531px	548px	103.2%	840px	79.1%	840px	52.7%
640px	611px	548px	89.7%	840px	68.7%	840px	45.8%
720px	690px	548px	79.4%	840px	60.9%	840px	40.6%
800px	438px	548px	125.1%	840px	95.9%	840px	63.9%
880px	516px	548px	106.2%	840px	81.4%	840px	54.3%
960px	594px	840px	141.4%	840px	70.7%	840px	47.1%
1040px	673px	840px	124.8%	840px	62.4%	840px	41.6%
1120px	651px	840px	129.0%	840px	64.5%	840px	43.0%
1200px	700px	840px	120.0%	840px	60.0%	840px	40.0%
1280px	700px	840px	120.0%	840px	60.0%	840px	40.0%

Legend: @1x <100% >150% Above @1x <75% 75%-92%

WEBP		134.5 KB	Current

Potential Smart Compression

WEBP		43.0 KB	(32.0%)
JPEG		56.9 KB	(42.3%)
PNG		60.0 KB	(44.6%)

32.0%

1600x1045 → 562x367

See More

B responsive-breakpoints-opt.webp

ORIGINAL ASPECT RATIO

No	Width	Height	File size	
1	200	133	5.6 KB	View image
2	418	279	27.1 KB	View image
3	590	393	47.2 KB	View image
4	731	487	67.3 KB	View image
5	840	560	84.3 KB	View image
6	944	629	104.4 KB	View image
7	1069	712	125.0 KB	View image
8	1173	782	145.5 KB	View image
9	1268	845	165.0 KB	View image
10	1360	906	184.4 KB	View image
11	1398	932	205.6 KB	View image

* Try and resize the browser window to see responsive behavior

HTML5 img tag example

```
<img
  sizes="(max-width: 1400px) 100vw, 1400px"
  srcset="
    dog_c_scale,w_200.jpg 200w,
```

WEBP		111.4 KB	Current

Potential Smart Compression

WEBP		57.8 KB	(51.9%)
JPEG-XR		69.6 KB	(62.4%)
PNG		159.6 KB	(143.2%)
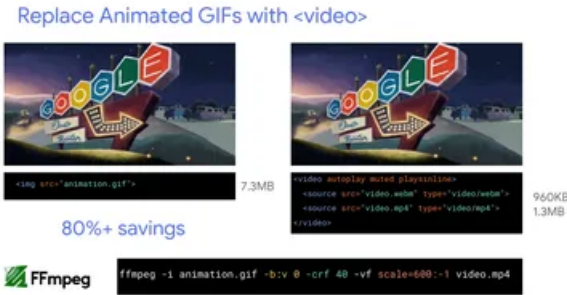
51.9%

1600x915 → 1070x612

See More

C   replace-animated-gifs.webp

WEBP		105.4 KB	Current

Potential Smart Compression
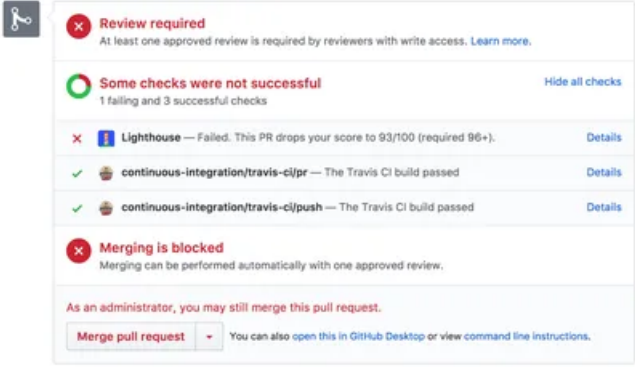
WEBP	🏆	25.7 KB	(24.4%)
JPEG		34.3 KB	(32.6%)
PNG		34.4 KB	(32.6%)

24.4%
1600x900 → 562x316

See More

B   review-required-checks-pr.webp

WEBP		89.8 KB	Current

Potential Smart Compression
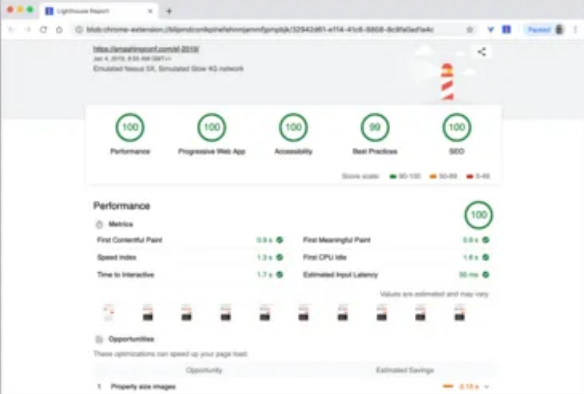
WEBP	🏆	67.2 KB	(74.8%)
PNG		71.7 KB	(79.8%)

74.8%
1600x921 → 1070x616

See More

B   lighthouse-screenshot.webp

WEBP		78.2 KB	Current

Potential Smart Compression

WEBP	🏆	45.9 KB	(58.7%)
PNG		53.9 KB	(68.9%)

▦ **58.7%**

▼ See More

C is-tls-fast-yet-01.webp ☁

| WEBP | ▬▬▬▬▬▬ | 67.5 KB | Current |

Potential Smart Compression

WEBP	🏆	66.0 KB	(97.7%)
JPEG-XR		107.4 KB	(159.1%)
PNG		71.9 KB	(106.5%)

▦ **97.7%**

1600x1169 → 1070x782

▼ See More

B redux-rest-apollo-graphql.webp ☁

| WEBP | ▬▬▬▬▬▬ | 65.5 KB | Current |

Potential Smart Compression

WEBP	🏆	40.1 KB	(61.2%)
JPEG-XR		51.9 KB	(79.2%)
PNG		109.2 KB	(166.7%)

▦ **61.2%**

1600x1413 → 1071x946

▼ See More

B 2018-js-processing-times.webp ☁

| WEBP | ▬▬▬▬▬ | 61.0 KB | Current |

Potential Smart Compression

| WEBP | 🏆 | 43.0 KB | (70.5%) |
| PNG | | 50.4 KB | (82.6%) |

70.5%

1600x874 → 1071x585

See More

B   perf-budgets-network-connection.webp
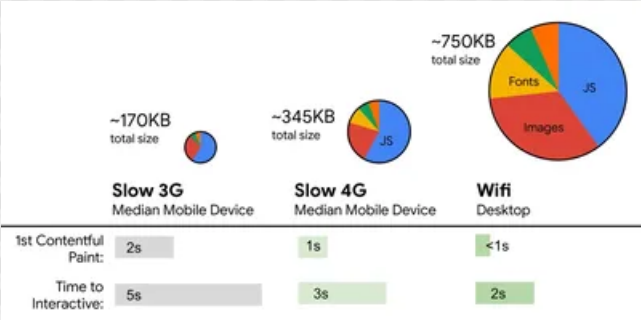
| WEBP | | 52.4 KB | Current |

Potential Smart Compression

WEBP	🏆	32.7 KB	(62.4%)
JPEG		45.1 KB	(86.0%)
PNG		50.7 KB	(96.8%)

62.4%

1600x800 → 1070x535

See More

C   block-request-url-image-opt.webp
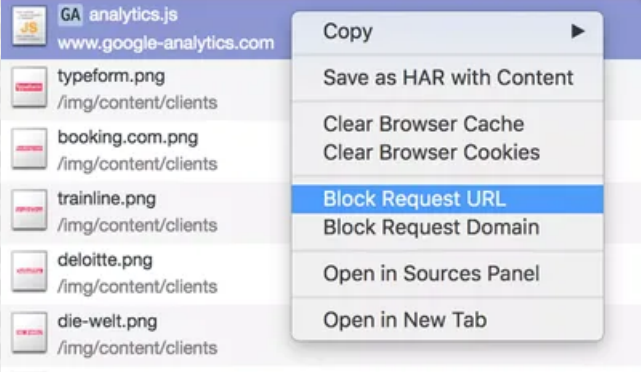
| WEBP | | 50.7 KB | Current |

Potential Smart Compression

WEBP	🏆	28.4 KB	(55.9%)
JPEG-XR		37.1 KB	(73.1%)
PNG		57.5 KB	(113.4%)

55.9%
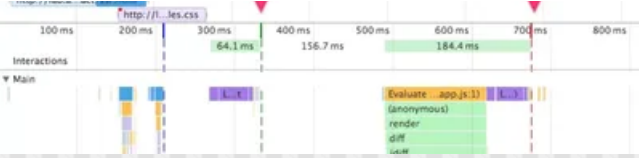
1600x954 → 607x362

See More

B   fmp-and-tti-opt.webp
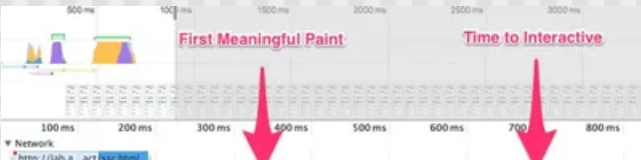
| WEBP | | 47.9 KB | Current |

Potential Smart Compression

WEBP	🏆	36.7 KB	(76.6%)
JPEG-XR		44.2 KB	(92.3%)
PNG		119.8 KB	(250.2%)

76.6%

1600x763 → 1071x511

See More

B   webpack-comparison.webp

WEBP	47.4 KB	Current

Potential Smart Compression

WEBP	🏆	31.4 KB	(66.3%)
JPEG-XR		42.9 KB	(90.6%)
PNG		72.8 KB	(153.6%)

66.3%

1600x605 → 1071x405

See More

F   http-pages-chrome-opt.webp

WEBP	45.9 KB	Current

Potential Smart Compression

WEBP	🏆	7.2 KB	(15.7%)
PNG		10.4 KB	(22.7%)

15.7%

1600x776 → 562x273

See More

C

babel-preset-opt.webp

WEBP		42.8 KB	Current

Potential Smart Compression

WEBP		24.5 KB	(57.3%)
JPEG		30.7 KB	(71.6%)
PNG		42.1 KB	(98.4%)

57.3%

1600x895 → 607x340

See More

appshell-1-o0t8qd-c-scalew-799-opt.we…

WEBP		41.8 KB	Current

Potential Smart Compression

WEBP		19.9 KB	(47.6%)
JPEG-XR		27.9 KB	(66.9%)
PNG		52.5 KB	(125.6%)

47.6%

1600x1181 → 607x448

See More

progressive-css-loading-opt.webp
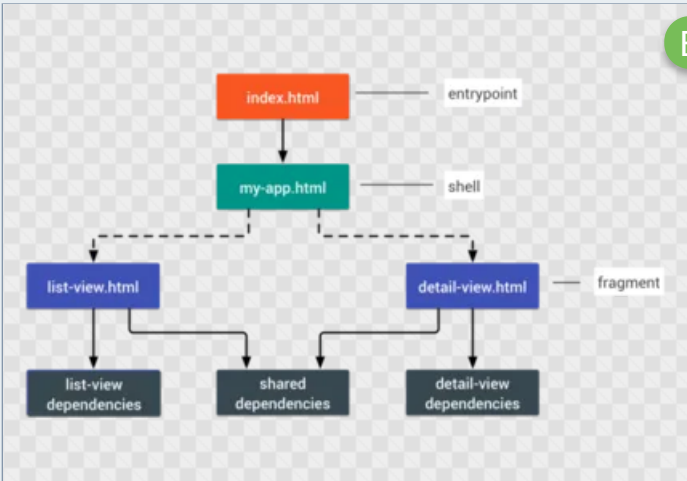
WEBP		40.8 KB	Current

Potential Smart Compression

WEBP		25.8 KB	(63.4%)
JPEG		33.9 KB	(83.1%)
PNG		47.7 KB	(117.1%)

63.4%

1600x1162 → 563x408

See More

B app-build-components-dibweb-c-scale...

| WEBP | | 40.3 KB | Current |

Potential Smart Compression

| WEBP | | 22.5 KB | (55.7%) |
| PNG | | 26.5 KB | (65.6%) |

55.7%

1600x863 → 1071x578

See More

B inline-scripts-deferred.webp

| WEBP | | 39.9 KB | Current |

Potential Smart Compression

| WEBP | | 30.1 KB | (75.4%) |
| PNG | | 35.3 KB | (88.6%) |

75.4%

1600x978 → 1070x654

See More
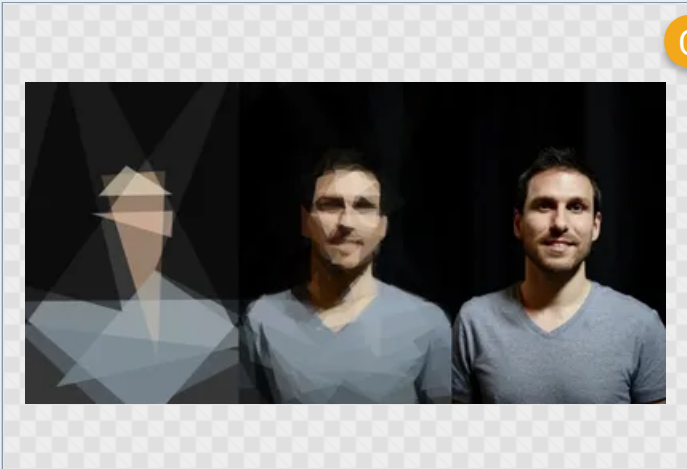
C jmperez-composition-primitive-full.webp

| WEBP | | 38.9 KB | Current |

Potential Smart Compression

WEBP		16.7 KB	(42.8%)
JPEG-XR		16.6 KB	(42.5%)
PNG		49.8 KB	(127.8%)

42.5%

1600x803 → 607x305

See More

B how-webassembly-works.webp

| WEBP | | 32.0 KB | Current |

Potential Smart Compression

| WEBP | | 19.1 KB | (59.8%) |
| PNG | | 23.3 KB | (72.7%) |

59.8%

1600x792 → 1071x530

See More

C network-requests-first-input-delay.webp
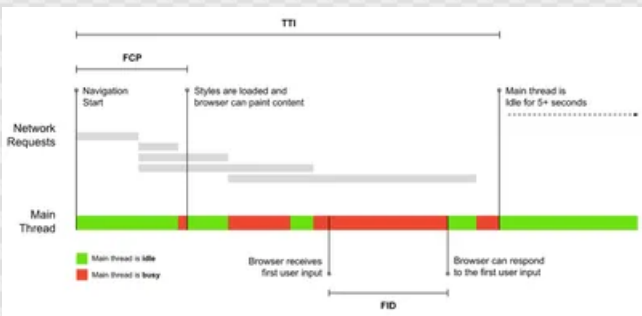
| WEBP | | 31.9 KB | Current |

Potential Smart Compression

| WEBP | | 15.9 KB | (50.0%) |
| PNG | | 19.1 KB | (60.0%) |

50.0%

1600x770 → 1070x515

See More

B font-loading-strategies-opt.webp
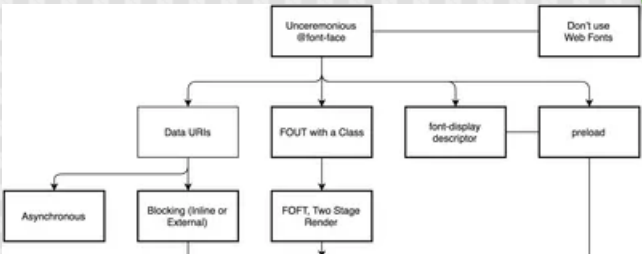
| WEBP | | 30.2 KB | Current |

Potential Smart Compression
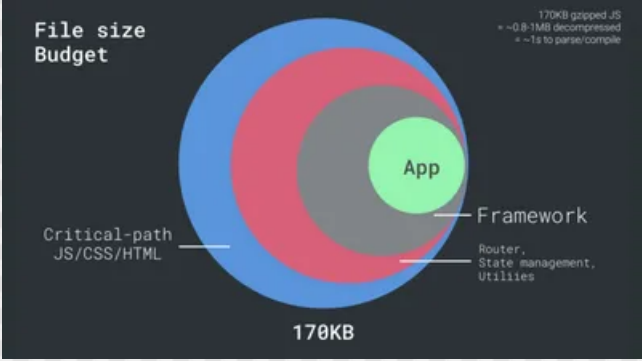
WEBP   23.0 KB   (76.3%)
PNG   27.6 KB   (91.3%)

⊞ **76.3%**

1600x974 → 1071x652

🔽 See More

B file-size-budget-fast-default-addy-osm...

WEBP		29.2 KB	Current

Potential Smart Compression

WEBP	🏆	24.7 KB	(84.6%)
JPEG-XR		32.1 KB	(110.1%)
PNG		49.2 KB	(168.8%)

⊞ **84.6%**

1600x894 → 1070x598

🔽 See More

D smashing-book-6-product-image-opt.p...

PNG		27.3 KB	Current

Potential Smart Compression

PNG	🏆	17.0 KB	(62.5%)
WEBP		19.9 KB	(73.0%)

⊞ **62.5%**
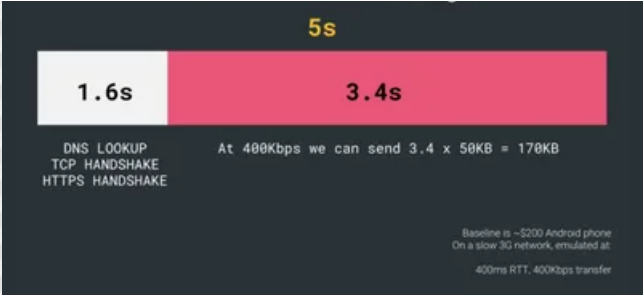
481x698 → 250x363

🔽 See More

C tti-budget-opt.webp

Time to Interactive Budget

WEBP		24.8 KB	Current

Potential Smart Compression
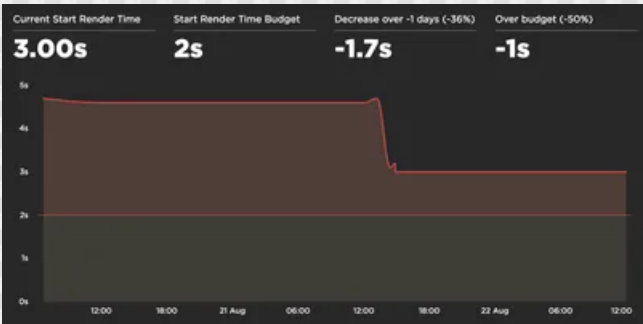
WEBP		11.2 KB	(45.4%)
JPEG-XR		15.3 KB	(61.6%)
PNG		14.1 KB	(56.7%)

45.4%

1600x900 → 607x341

See More

C casper-case-study-optimizely.webp

WEBP		22.9 KB	Current

Potential Smart Compression

WEBP		7.0 KB	(30.5%)
PNG		8.0 KB	(35.0%)

30.5%

1600x801 → 561x281

See More

C av1-logo-2018-full.webp

WEBP		22.0 KB	Current

Potential Smart Compression

WEBP		5.9 KB	(26.9%)
PNG		7.3 KB	(33.1%)

26.9%

1600x925 → 562x325

See More

C rail-perf-model-opt.webp

WEBP		21.6 KB	Current

Potential Smart Compression

WEBP	🏆	6.1 KB	(28.3%)
PNG		7.2 KB	(33.4%)

28.3%

1600x580 → 562x204

See More

A brad-frost-sf.png

PNG		21.2 KB	Current

Potential Smart Compression

PNG		20.5 KB	(96.6%)
WEBP	🏆	18.1 KB	(85.4%)

85.4%

218x323 → 218x323

See More

A newsletter-fish-cat.svg

SVG		21.0 KB	Current

Potential Smart Compression

SVG		21.0 KB	(100.0%)
WEBP	🏆	4.2 KB	(19.9%)
PNG		4.6 KB	(21.7%)

▦ 19.9%

⌄ See More

B brad-perf-budget-builder.webp ☁

WEBP		19.3 KB	Current

Potential Smart Compression

WEBP	🏆	15.2 KB	(78.5%)
PNG		18.1 KB	(93.5%)

▦ 78.5%

1600x443 → 1069x296

⌄ See More

A cat-rollerderby.svg

SVG		12.7 KB	Current

Potential Smart Compression

SVG		12.7 KB	(100.0%)
WEBP	🏆	2.3 KB	(17.8%)
PNG		2.7 KB	(21.6%)

▦ 17.8%

457x637 → 457x637

⌄ See More

B tuesday-2g-opt.webp ☁

WEBP		7.9 KB	Current

Potential Smart Compression

WEBP	🏆	4.6 KB	(57.9%)
PNG		5.6 KB	(71.5%)

57.9%

800x800 → 437x437

See More

B   vitaly-friedman-profile-pic.jpg

JPEG		7.3 KB	Current

Potential Smart Compression

JPEG		5.5 KB	(75.0%)
WEBP		2.9 KB	(40.3%)
JPEG-XR		3.3 KB	(44.7%)
PNG		14.9 KB	(204.0%)

40.3%

180x180 → 180x180

See More

A   search-by-algolia-white.svg

SVG		7.1 KB	Current

Potential Smart Compression

SVG		7.1 KB	(100.0%)
WEBP		940.0 B	(13.3%)
PNG		1.2 KB	(16.7%)

13.3%

130x18 → 400x400

See More
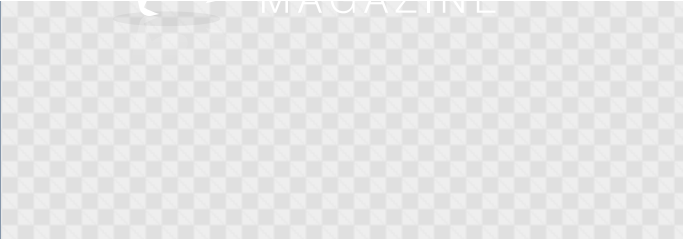
A   logo--full.svg

SVG		6.6 KB	Current
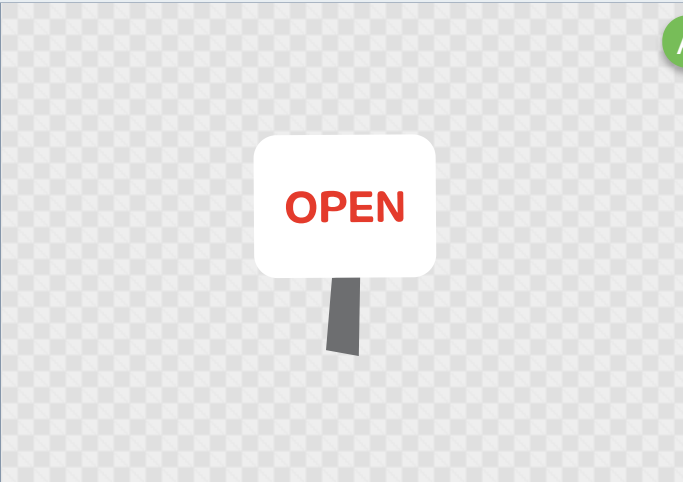
Potential Smart Compression

SVG		6.6 KB	(100.0%)
WEBP	🏆	2.2 KB	(33.5%)
PNG		2.6 KB	(40.0%)

33.5%

220x80 → 400x400

[⌄ See More]

A jobs.svg

SVG		4.1 KB	Current
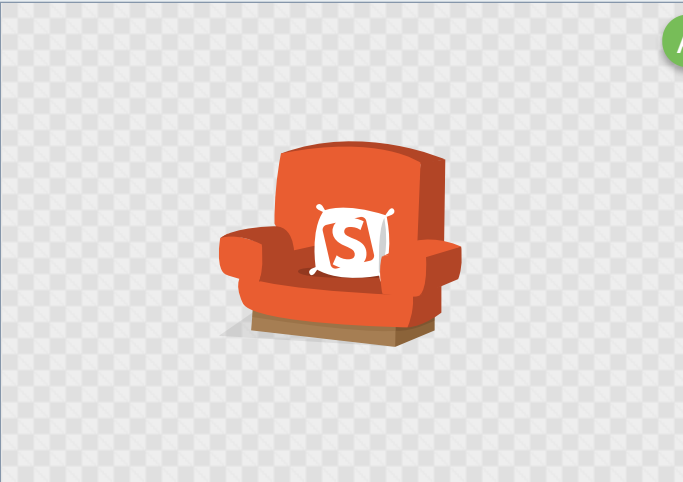
Potential Smart Compression

SVG		4.1 KB	(100.0%)
WEBP	🏆	186.0 B	(4.5%)
PNG		347.0 B	(8.4%)

4.5%

230x275 → 400x400

[⌄ See More]

A character-15.svg

SVG		3.7 KB	Current

Potential Smart Compression

SVG		3.7 KB	(100.0%)
WEBP	🏆	1.0 KB	(27.8%)
PNG		1.2 KB	(32.9%)

27.8%

270x240 → 400x400

[⌄ See More]

C

d41d8cd98f00b204e9800998ecf8427e.jpg

JPEG		3.5 KB	Current

Potential Smart Compression

JPEG		502.0 B	(14.4%)
WEBP	🏆	226.0 B	(6.5%)
PNG		673.0 B	(19.3%)

6.5%

250x250 → 72x72

See More

C logo--red.png

PNG		2.9 KB	Current

Potential Smart Compression

PNG		794.0 B	(27.1%)
WEBP	🏆	662.0 B	(22.6%)

22.6%

60x80 → 38x51

See More

A membership.svg

SVG		2.8 KB	Current

Potential Smart Compression

SVG		2.8 KB	(100.0%)
WEBP	🏆	242.0 B	(8.5%)
PNG		406.0 B	(14.3%)

8.5%

230x275 → 400x400

	See More

A w.svg

SVG	▬▬▬▬	2.7 KB	Current

Potential Smart Compression

SVG		2.7 KB	(100.0%)
WEBP	🏆	1.6 KB	(58.6%)
PNG		2.0 KB	(72.5%)

⬛ **58.6%**

450x480 → 400x400

	See More

A articles.svg

SVG	▬▬▬▬	1.3 KB	Current

Potential Smart Compression

SVG		1.3 KB	(100.0%)
WEBP	🏆	110.0 B	(8.6%)
PNG		198.0 B	(15.4%)

⬛ **8.6%**

230x275 → 400x400

	See More

A published.svg

SVG	▬▬▬▬	1.2 KB	Current

Potential Smart Compression

SVG		1.2 KB	(100.0%)
WEBP	🏆	274.0 B	(23.6%)
PNG		408.0 B	(35.2%)

◨◧ **23.6%**

29x27 → 400x400

⌄ See More

Ⓐ **books.svg**

| SVG | | 1.0 KB | Current |

Potential Smart Compression

SVG		1.0 KB	(100.0%)
WEBP	🏆	120.0 B	(11.8%)
PNG		241.0 B	(23.8%)

◨◧ **11.8%**

230x275 → 400x400

⌄ See More

Ⓐ **events.svg**

| SVG | | 954.0 B | Current |

Potential Smart Compression

SVG		954.0 B	(100.0%)
WEBP	🏆	138.0 B	(14.5%)
PNG		269.0 B	(28.2%)

◨◧ **14.5%**

230x275 → 400x400

⌄ See More

Ⓐ **bird_j6gn7w.svg** ☁

| SVG | | 692.0 B | Current |

Potential Smart Compression
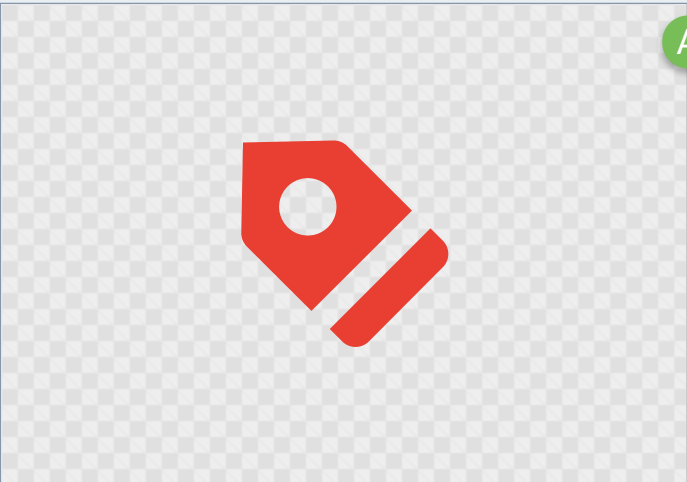
		SVG		692.0 B	(100.0%)
	WEBP			232.0 B	(33.5%)
	PNG			382.0 B	(55.2%)

33.5%

400x400 → 400x400
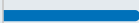
See More

A tags.svg

SVG		486.0 B	Current

Potential Smart Compression

SVG		486.0 B	(100.0%)
WEBP		228.0 B	(46.9%)
PNG		386.0 B	(79.4%)

46.9%

29x27 → 400x400

See More

Optimize Every Image with Cloudinary

Cloudinary is the end-to-end solution for all your image-related needs. Check out how simple it is to deliver an optimized image to your users, with on-the-fly transformations included as a component of the URL:

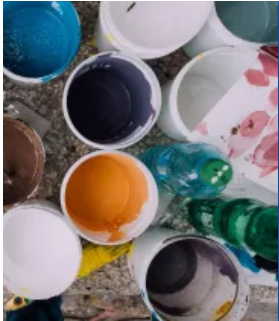https://res.cloudinary.com/demo/image/upload/h_210/f_auto,q_auto/paint.jpg

Original

JPG

Dynamic Format

WEBP

374x210
38 KB

374x210
16 KB (42%)

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