

Colour Variation Report

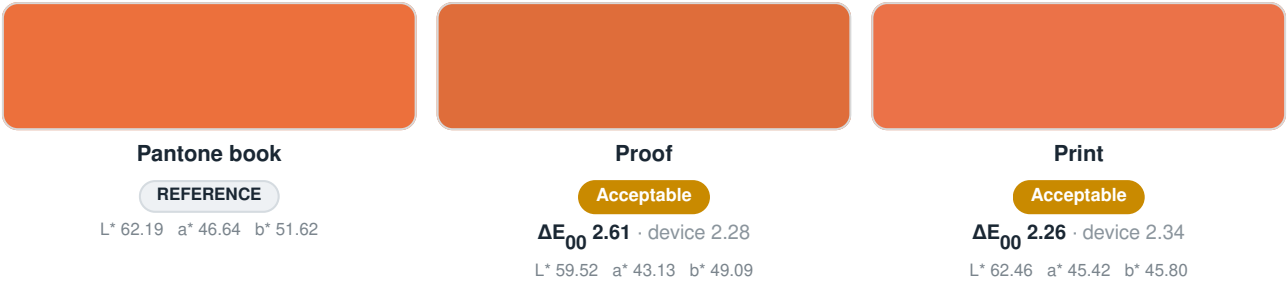
Pantone book → Proof → Print · deviation measured against the Pantone book · 10 August 2026

Tolerance key (ΔE_{00}): Match ≤ 2.0 Acceptable 2.0–3.5 Out of tolerance > 3.5

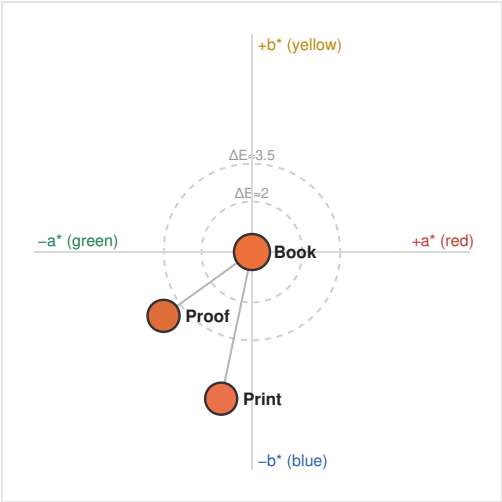
Spot colour accuracy

PANTONE 4012 C

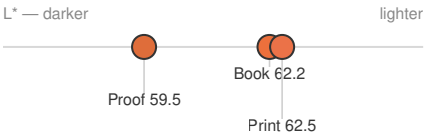
Proof reads darker, bluer, less red than the book (ΔE_{00} 2.61). **Print** reads bluer, less red than the book (ΔE_{00} 2.26).



A*/B* DRIFT (BOOK AT CENTRE)



LIGHTNESS



Stage	L*	a*	b*	ΔL	Δa	Δb	ΔE_{00}	Device
Pantone book	62.19	46.64	51.62	—	—	—	—	—
Proof	59.52	43.13	49.09	-2.67	-3.51	-2.53	2.61	2.28
Print	62.46	45.42	45.80	+0.27	-1.22	-5.82	2.26	2.34

Independent reference (e-paint, D65/10°): L* 63.09, a* 45.63, b* 52.32 — book sits ΔE_{00} 1.05 from it.

PANTONE 336 C

Proof reads yellower, greener than the book (ΔE_{00} 1.23). **Print** reads lighter, yellower, less green than the book (ΔE_{00} 2.62).



Pantone book

REFERENCE

L* 36.45 a* -35.53 b* 1.63



Proof

Match

ΔE_{00} 1.23 · device 2.36

L* 36.27 a* -37.73 b* 3.12



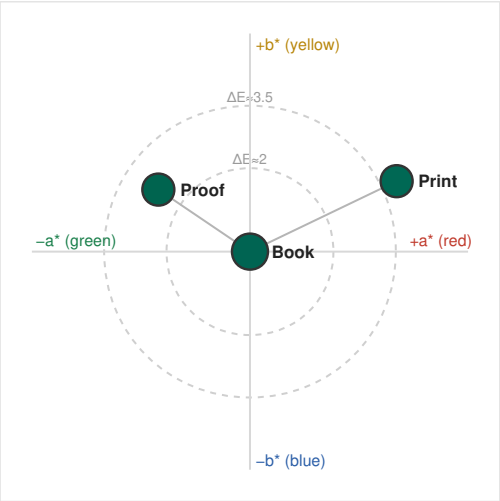
Print

Acceptable

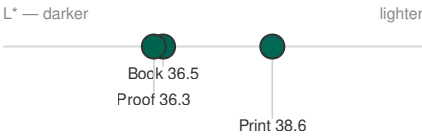
ΔE_{00} 2.62 · device 1.93

L* 38.62 a* -32.01 b* 3.32

A*/B* DRIFT (BOOK AT CENTRE)



LIGHTNESS



Stage	L*	a*	b*	ΔL	Δa	Δb	ΔE_{00}	Device
Pantone book	36.45	-35.53	1.63	—	—	—	—	—
Proof	36.27	-37.73	3.12	-0.18	-2.20	+1.49	1.23	2.36
Print	38.62	-32.01	3.32	+2.17	+3.52	+1.69	2.62	1.93

Independent reference (e-paint, D65/10°): L* 36.23, a* -39.38, b* 1.82 — book sits ΔE_{00} 1.45 from it.

Ink density

Solid density and tone reproduction, from the Ink Density Tool report

CRS 1

LPI test

STEP	C	M	Y	K	4012	336	AVG	DEV	TARGET
D	1.19	1.16	1.17	0.93	1.01	1.38	—	—	—
100%	100	100	100	100	100	100	100	0	100
75%	94	92	89	90	94	97	91	+1	90
50%	77	82	71	74	81	87	76	+4	72
25%	52	60	51	45	58	74	52	+8	44
1%	15	25	18	9	16	28	17	+14	3

From the Ink Density Tool (CRS 1 · LPI "test"). Row **D** = solid patch density (X-Rite). Rows 100–1% = measured tone value at each tint step; **AVG** is the six-ink average, **DEV** its deviation from **TARGET**.

Method: colour difference computed as CIEDE2000 (ΔE_{00}) from supplied CIELAB values, Pantone book as reference. "Device" column shows the ΔE reported by your instrument; small differences from ΔE_{00} are expected where the device uses a different formula (e.g. $\Delta E_{76}/CMC$) or measurement condition. Swatches are approximate sRGB renderings of the LAB values (Lab D50 → sRGB) and are for visual guidance only — screen/print rendering will not match a physical sample exactly. Independent reference LAB from e-paint.co.uk (D65/10° observer); Pantone's official spec values are measured M2/D50/2° and may differ by a unit or two, chiefly on a*.