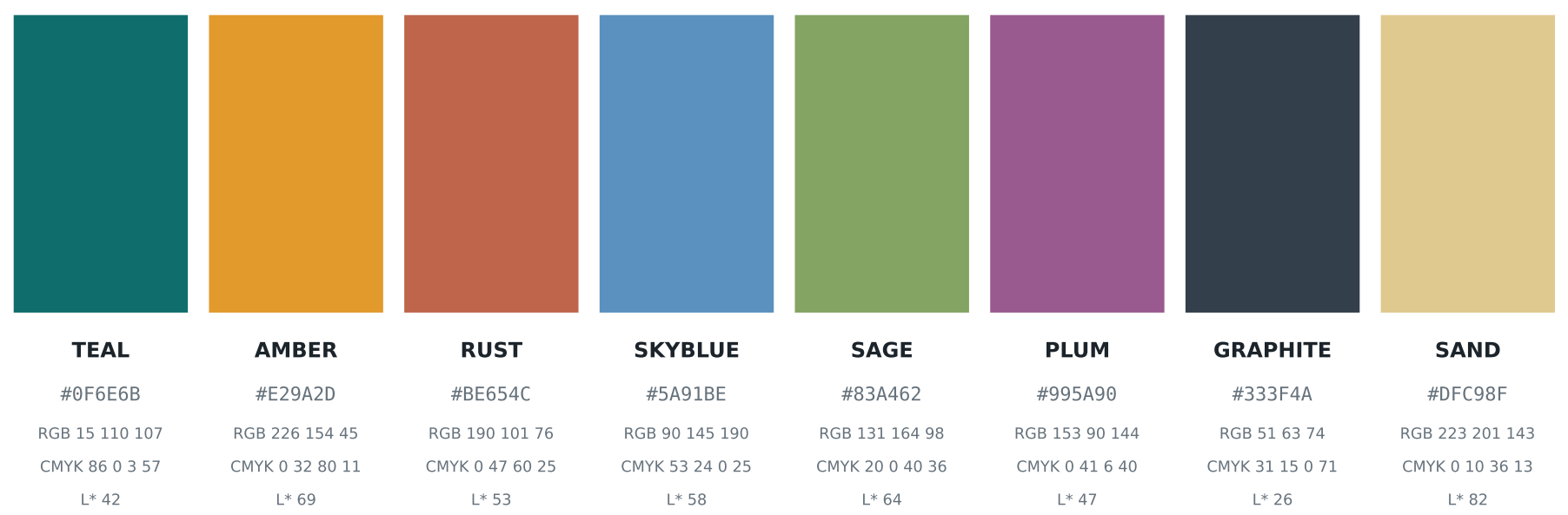


TEAL-AMBER LAB PALETTE

Publication figure colour system · v1.0 · CVD-safe, grayscale-separable

CATEGORICAL · discrete groups, use in listed order



SEQUENTIAL — TEAL

low → high · linear L* 97→23 · use for intensity, density, expression



SEQUENTIAL — AMBER

low → high · linear L* 98→26 · use as second channel or warm intensity

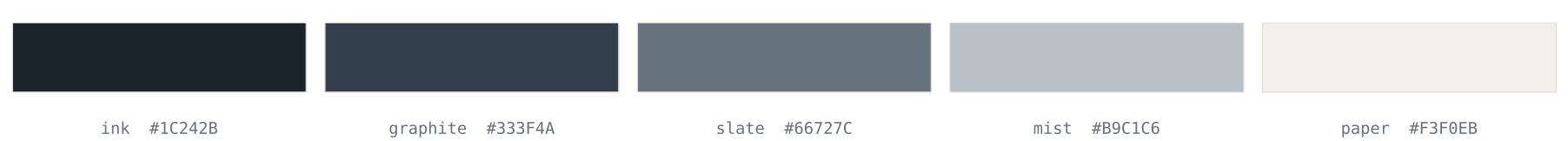


DIVERGING — TEAL ↔ AMBER

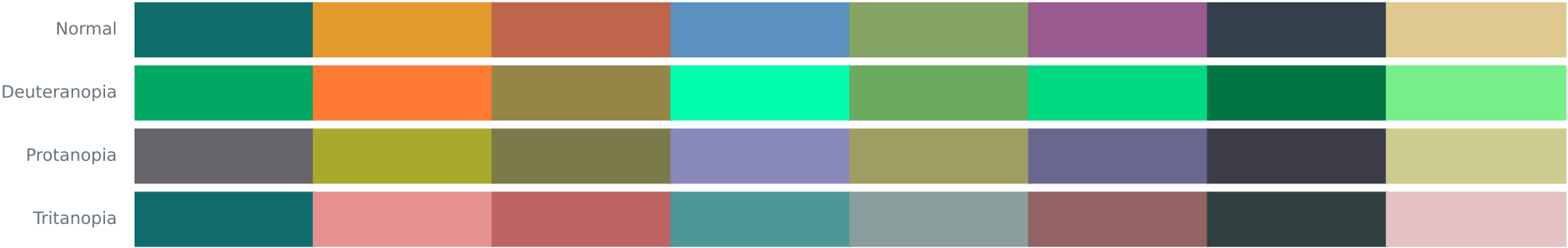
negative ← 0 → positive · symmetric L* · use for log2FC, z-score, Δ



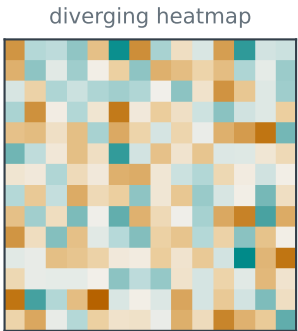
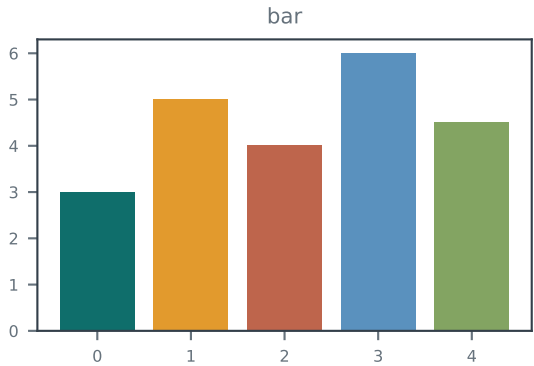
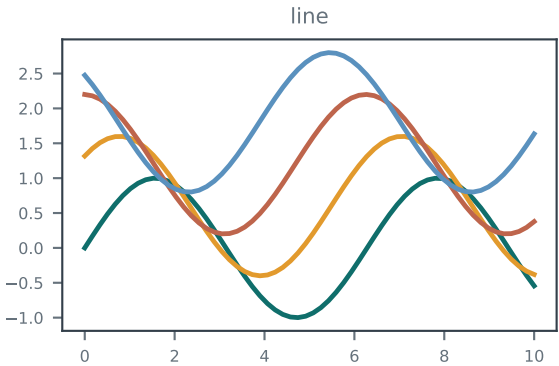
NEUTRALS — axes, text, gridlines, fills



COLOUR-VISION-DEFICIENCY SIMULATION · min ΔE = 13.9 across all types



GRAYSCALE / PHOTOCOPY TEST · min ΔL* = 5.4



USAGE RULES

1. Draw categorical colours in the listed order — the first four are the most separable under all CVD types.
2. Never encode a continuous variable with categorical colours; use the sequential or diverging ramp.
3. Diverging ramp must be centred on a meaningful zero (set vmin = -vmax).
4. Use graphite (#333F4A) for axes, ticks and text — never pure black; use mist (#B9C1C6) for gridlines.
5. Reserve amber for the effect of interest; teal is the default/control. Consistency across figures is what makes it an identity.
6. Line width ≥1.5 pt and marker size ≥4 pt, otherwise hue separation is lost at print size.
7. Add a redundant channel (marker shape, line style, direct labels) whenever >4 groups are shown.