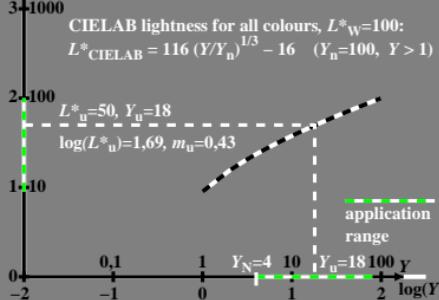


log(L*) CIELAB lightness

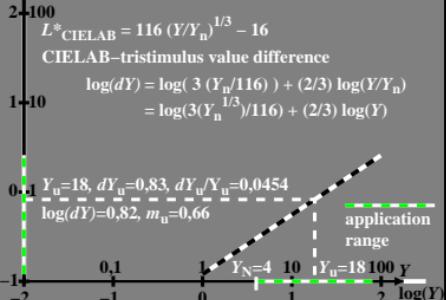
$$\log(L^*) \propto L^*$$



log ΔY CIELAB-tristimulus

$$\log(\Delta Y) \propto \Delta Y$$

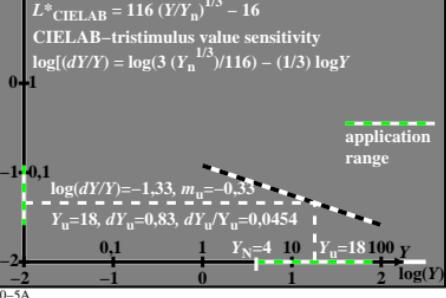
value difference



log(ΔY/Y) CIELAB-tristimulus value sensitivity

$$\log(C_r) \propto (\Delta Y/Y)$$

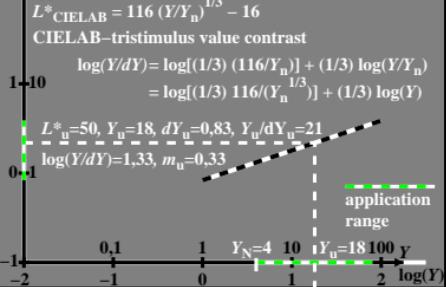
CIELAB-tristimulus value sensitivity



log(Y/ΔY) CIELAB-tristimulus value contrast

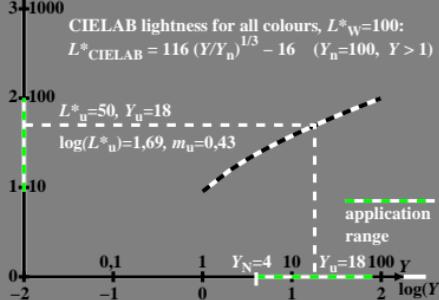
$$\log(S_r) \propto (Y/\Delta Y)$$

CIELAB-tristimulus value contrast



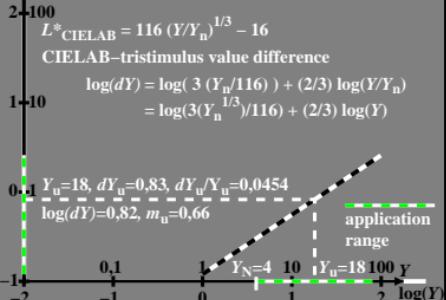
log(L*/L*_u) relative CIELAB lightness

$$L^*/L^*_{\text{u}}$$



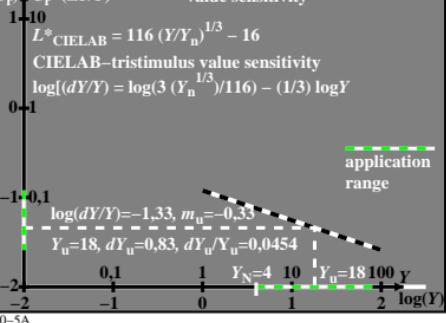
log(ΔY/ΔY_u) relative CIELAB-tristimulus value difference

$$\Delta Y/\Delta Y_u$$



log [(ΔY/Y) / (ΔY_u/ΔY_u)] relative CIELAB-tristimulus value sensitivity

$$C_r/C_{ru}$$



log [(Y/ΔY) / (Y_u/ΔY_u)] relative CIELAB-tristimulus value contrast

$$S_r/S_{ru}$$

