

$\log \Delta Y$

CIE tristimulus value difference

$10 \Delta Y_{\text{LABJND}}$ and $\Delta Y_{\text{CIEDE2000}}$

ΔY

$$L^* = 116 (Y/Y_n)^{1/3} - 16$$

tristimulus value difference according to CIEDE2000

$$\begin{aligned} \log(dY) &= \log(3 (Y_n/116)) + (2/3) \log(Y/Y_n) \\ &= \log(3(Y_n^{1/3})/116) + (2/3) \log(Y) \end{aligned}$$

