

$\log \Delta Y$

CIE tristimulus value difference

$10 \Delta Y_{\text{LABJND}}$ and ΔY_{CIELAB}

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

tristimulus value difference according to CIELAB

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

