

$\log(\Delta Y/\Delta Y_u)$

CIE tristimulus value difference
 ΔY normalized to ΔY_u
 for LABJND and **CIEDE2000**

$\Delta Y/\Delta Y_u$

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

tristimulus value difference according to CIEDE2000

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

