

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

**CIE tristimulus value difference
 ΔY normalized to ΔY_n**

for LABJND and CIELAB

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

relative tristimulus value difference according to CIE1

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

