

$\log[\Delta Y/Y]$

Y_{CIELAB} sensitivity

$$L^* = 116 (Y/Y_n)^{1/3} - 16, \quad Y_n=100, Y_u=18, 1 \leq Y \leq 100 \quad [1e]$$

$$L^* = k_u (Y/Y_u)^{1/3} - 16, \quad k_u=116 [Y_u/Y_n]^{1/3}=65,50 \quad [2e]$$

$$dY/Y = (3/116) \cdot Y_n^{-2/3} \cdot Y^{-1/3} = c \cdot Y^{-1/3} = d \cdot (Y/Y_u)^{-1/3} \quad [3e]$$

