$\log|\Delta Y|$     $\Delta Y_{CIELAB}$ **tristimulus-value difference**

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

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

$dY = (3/116)\cdot(Y/Y_n)^{2/3} = a\cdot(Y/Y_n)^{2/3} = b\cdot(Y/Y_u)^{2/3}$  [3c]

$a = 0{,}557\quad b = 6{,}516$  [4c]

$\log(dY_u) = -0{,}08,\ m_u = 0{,}66$

$Y_u = 18,\ dY_u = 0{,}83,\ dY_u/Y_u = 0{,}045$

application range

N threshold

eea70-3a