

$\Delta Y / \Delta Y_u$ $\Delta Y / \Delta Y_u$

HAULAB tristimulus value difference

ΔY normalized to ΔY_u

$$L^* = s(Y/Y_n)^n - d \quad (Y_n=100, Y_u=19, s=137,2, n=0,31, d=33,1) [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 80,63, L^*_u = r-d = 47,5) \quad [1b]$$

$$dY = [Y_n / (n s)] (Y / Y_n)^{1-n} \quad [2c]$$

$$dY_u = [Y_n / (n s)] (Y_u / Y_n)^{1-n} = 1,3815 \quad [2d]$$

$$dY / dY_u = (Y / Y_u)^{1-n} \quad [2e]$$

