

$$\Delta Y / \Delta Y_u$$

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HAULAB tristimulus value difference
 ΔY normalized to ΔY_u

$$L^* = s (Y/Y_n)^n - d \quad (Y_n=100, Y_u=18, s=22, n=0.31, d=30) \quad [1a]$$

$$L^* = r (Y/Y_u)^n - d \quad (r = s (Y_u/Y_n)^n = 13.49, L^*_u = r - d) \quad [1b]$$

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

$$dY_u = [Y_n / (n s)] (Y_u / Y_n)^{1-n} = 8.2533 \quad [2d]$$

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

