

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

CIE tristimulus value difference

ΔY normalized to ΔY_u

$\Delta Y / \Delta Y_u$

$$100 L^* = 100 (Y / Y_n)^{1/2,4} \quad (Y_n = 100, Y_u = 18, 1 \leq Y \leq 100) \quad [1d]$$

$$dY = (2,4 \cdot Y_n / 100) (Y / Y_n)^{1,4/2,4} \quad [2d]$$

$$dY_u = 2,4 (Y_u / Y_n)^{1,4/2,4} \quad [3d]$$

$$dY / dY_u = (Y / Y_u)^{1,4/2,4} \quad [4d]$$

$$\log (dY / dY_u) = (1,4/2,4) \log (Y / Y_u) \quad [5d]$$

[1d]

[2d]

[3d]

[4d]

[5d]

$$Y_u = 18, dY_u = 0,90, (dY / Y_u) = 0,048$$

$$\log [(dY) / (dY_u)] = 0, m_u = 0,58$$

