

$\log[(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIE Y-based contrast
normalized to $Y_u/\Delta Y_u$

$$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$$

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

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

$$Y/dY = e \cdot (Y/Y_u)^{1,4/2,4} \quad [3h]$$

$$Y/dY = f \cdot (Y/Y_u)^{1,4/2,4} \quad [4h]$$

$$e = 611,582 \quad f = 3301,396 \quad [5h]$$

$$L^*_u = 50, Y_u = 18, dY_u = 0,90, (Y/dY)_u = 21$$

$$\log[(Y/dY)_u / (Y/dY)_u] = 0, m_u = 0,41$$

