

$Y/\Delta Y$

# CIE Y-based contrast

$$C_r = Y/\Delta Y$$

$$L^*_{85,2} = (t/a) \ln(1 + a \cdot Y) \quad [1g]$$

$$a = 0,3411 \quad t = 88,23 \quad t/a = 258,6 \quad [2g]$$

tristimulus value  $Y$  contrast

$$Y/dY = (1 + a \cdot Y) / (t \cdot Y) \quad [3g]$$



$L^*_{85,2,u} = 508, Y_u = 18, dY_u = 0,08, (Y/dY_u) = 222$  **251,2**

$\log(Y/dY)_u = 2,34, m_u = 0,13$

application range

$Y_u = 18 \quad 100 \quad Y$