

$\log(Y/\Delta Y)$

# CIE Y-based contrast

$C_r = (Y/\Delta Y)$

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

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

tristimulus value Y contrast

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

3 1000

258,5

$\log[(Y_u/dY_u) = 2,34, m_u = 0,13$

2 100

16,6

application range

$Y_u = 18, dY_u = 0,08, Y_u/dY_u = 222$

$Y_N = 3,6 \quad Y_u = 18 \quad Y_W = 90$

1 -1 0 1 2 3 4  $\log Y$