

$\log(\Delta Y/Y)$

CIE Y based contrast

$$C_r = (\Delta Y/Y)$$

$$L^* = (t/a) \ln [1 + b (Y/Y_u)]$$

$$a=0.3411 \quad t=88.23 \quad t/a=258.6 \quad b=a \cdot Y_u=6.14$$

tristimulus value Y contrast

$$-1 \quad 0,1 \quad \log(dY/Y) = \log [(1 + b \cdot (Y/Y_u)) / (t \cdot Y)]$$

$$-2 \quad 0,01$$

$$\log(dY/Y) = -2.34, m_u = -0.13$$

$$Y_u = 18, dY_u = 0.08, dY_u/Y_u = 0.004$$

application
range

