

$\log(\Delta Y/Y)$

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

CIE tristimulus
value Y contrast

0 1

$$L^* = (t/a) \ln(1 + a \cdot Y)$$

$$a = 0,3411 \quad t = 88,23 \quad t/a = 258.6$$

relative tristimulus value Y contrast

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

-1 0,1

-2 0,01

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

$$Y_u = 18, dY_u = 0,08, dY_u/Y_u = 0,0044$$

application
range

-3

0,1

1

10

$Y_u = 18$

100

Y

-2

-1

0

1

2

$\log(Y)$