

$\log (Y/\Delta Y)$

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

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

3 1000

$$Y_u=18, dY_u=0,08, (Y/dY_u)=222$$

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

2 100

65,7

251,2

application
range

1

0,1

1

10

Y_u=18

100

Y

-2

-1

0

1

2

log Y