

$\log(Y/\Delta Y)$

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

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

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

251,2

2 100

65,7

application
range

1

0,1

1

10

$Y_u = 18$

100

Y

$\log(Y)$