

$\log (\Delta Y / \Delta Y_u)$

CIE tristimulus value difference
 ΔY normalized to ΔY_u

$\Delta Y / \Delta Y_u$

$$100L^*_{85,2} = (t/a) \ln (1 + a \cdot Y) \quad [1d]$$

$$a=0,3411 \quad t=88,23 \quad t/a=258,6 \quad b=6,141 \quad [2d]$$

normalized tristimulus value Y difference

$$dY/dY_u = (1 + a \cdot Y) / (1 + a \cdot Y_u) \quad [3d]$$

10

0,691

$$Y_u=18, dY_u=0,08, (dY/Y_u)=0,004$$

$$\log[(dY)/(dY_u)]=0, m_u=0,86$$

1

-0,726

application
range

0,1

10

$Y_u=18$ 100 Y

$\log Y$