

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

CIE-Normfarbwertdifferenz

ΔY normiert für ΔY_u

98,478

$\Delta Y/\Delta Y_u$

100

$$L^* = 116 (Y/Y_n)^{1/3} - 16 \quad (Y_n=100, 1 \leq Y \leq 100)$$

$$dY = (3/116) \cdot (Y/Y_n)^{2/3}$$

$$dY = a \cdot (Y/Y_n)^{2/3}$$

$$dY = b \cdot (Y/Y_u)^{2/3}$$

$$a = 0,557$$

$$b = 6,516$$

[1d]

[2d]

[3d]

[4d]

[5d]

10

1

$$Y_u=18, dY_u=0,83, dY_u/Y_u=0,045$$

$$\log[(dY_u)/(dY_u)] = 0, m_0 = 0,66$$

$$Y_N=3,6 \quad Y_u=18 \quad Y_W=90$$

Anwendungsbereich

0,049

0

1

2

1000

10000

Y

4 log Y