

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

CIE-Normfarbwertdifferenz
 ΔY normiert für ΔY_u

$\Delta Y/\Delta Y_u$

$$L^*_{ab} = 116 \left(\frac{Y}{Y_n} \right)^{1/3} - 16$$

Normfarbwertdifferenz nach CIELAB

10

$$\begin{aligned}\log(dY) &= \log(3(Y_n/116)) + (2/3)\log(Y/Y_n) \\ &= \log(3(Y_n^{1/3})/116) + (2/3)\log(Y)\end{aligned}$$

0

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

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

-1

0,1

0

10

100

2

$\log(Y)$

Anwendungsbereich