

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

Relative CIE-Y-Normfarb-
Y wertdifferenz

$\Delta Y/\Delta Y_u$

2 100

$$L^* = 116 (Y/Y_n)^{1/3} - 16$$

relative Normfarbwertdifferenz nach CIELAB

1 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 1

$Y_u=18, dY_u=0.83, dY_u/Y_u=0.045$

$\log[(dY)/(dY_u)]=0, m_u=0.66$

Anwendungs-
bereich

$Y_u=18 \quad 100$

Y
 $\log(Y)$