

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

Relative CIELAB-Normfarb-  
wertdifferenz

$\Delta Y/\Delta Y_u$

2 100

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

Relative CIELAB-Normfarbwertdifferenz

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

1 10

0 1

$$Y_u=18, dY_u=0,83, dY_u/Y_u=0,0454$$

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

Anwendungs-  
bereich

0,1

1

$Y_N=4$

10

$Y_u=18$

100

$Y$

-1

-2

-1

0

1

2

$\log(Y)$