

$\log \Delta Y$

IECsRGB-

Normfarbwertdifferenz

$\log(\Delta Y)$

ΔY

2

100

$$L^*_{\text{IECsRGB}} = 100 (Y/Y_n)^{1/2,4}$$

IECsRGB-Normfarbwertdifferenz

1

10

$$\begin{aligned}\log(dY) &= \log(2,4 (Y_n/100)) + (1-(1/2,4)) \log(Y/Y_n) \\ &= \log(2,4(Y_n^{1/2,4})/100) + (1-(1/2,4)) \log(Y)\end{aligned}$$

0

$$Y_u=18, dY_u=0,90, dY_u/Y_u=0,0480$$

$$\log(dY)=0,88, m_u=0,58$$

Anwendungs-
bereich

0,1

$Y_N=4$

10

$Y_u=18$

100

Y

-1

-2

-1

0

1

2

$\log(Y)$