

$\log \Delta Y$

IECsRGBJND-

Normfarbwertdifferenz

$\log(\Delta Y)$

1 10

$$L^*_{\text{IECsRGBJND}} = 450 (Y/Y_n)^{1/7,2}$$

IECsRGBJND-Normfarbwertdifferenz

$$\begin{aligned}\log(dY) &= \log(7,2 (Y_n/100)) + (1-(1/7,2)) \log(Y/Y_n) \\ &= \log(7,2(Y_n^{1/7,2})/100) + (1-(1/7,2)) \log(Y)\end{aligned}$$

$$Y_u=18, dY_u=0,28, dY_u/Y_u=0,0158$$

$$\log(dY)=0,28, m_u=0,85$$

-1 0,1

-2

0,1

1

$Y_N=4$ 10

$Y_u=18$ 100

Y

$\log(Y)$

Anwendungs-
bereich