

log ΔY CIE-Y-Normfarbwertdifferenz

log(ΔY) ΔY

2 100

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

Normfarbwertdifferenz nach CIELAB

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

1 10

0 1

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

$$\log(dY) = 0.82, m_u = 0.66$$

Anwendungs-
bereich

$$Y_u = 18 \quad 100 \quad Y$$

-1

0,1

1

10

2

log(Y)