

$\log(\Delta Y)$

CIELABu0

Normfarbwertdifferenz

$Y_{nc} = Y_W \text{RGB}_{nc} = 100, 21, 72, 7$

ΔY

2 100

$$l^*_{\text{CIELABu0}} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/3,0) \log[3,0(Y_u/65)] + [1 - (1/3,0)] \log(Y)$$

1 10

$$l^*_u = 50, dY_u = 4,58, dY_u/Y_u = 0,2544$$

$$\log(dY) = 4,58, m_u = 0,66$$

0 1

Anwendungs-
bereich

-1 0 1 10 100 $Y_u = 18$ 100 Y

-2 -1 0 1 10 100 $Y_N = 3,6$ 1 100 $Y_W = 90$ 2 $\log(Y)$