

$\log(\Delta Y)$

CIELABu1

Normfarbwertdifferenz

$Y_{nc} = Y_W$ RGB_{nc} = 100, 21, 72, 7

ΔY

2 100

$$l^*_{\text{CIELABu1}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

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

$$dY_{90} = 13,39, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$$

$$dY_{18} = 4,58, S_u = 65,49, D_n = -15,49$$

$$dY_{3,6} = 1,56, Y_u = 18, dY_u = 4,58$$

Anwendungsbereich

