

$\log(\Delta Y)$

CIELABu5

Normfarbwertdifferenz

$Y_{nc} = Y_W$  RGB<sub>nc</sub> = 100, 21, 72, 7

$\Delta Y$

2 100

$$t^*_{\text{CIELABu5}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1 10

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

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

0 1

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

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

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

--- Anwendungs-  
bereich

0,1

1

10

100

$Y_u = 18$  100

$Y$

-1

0

$Y_N = 3,6$

1

100

$Y_W = 90$  2

$\log(Y)$