

$\log(\Delta Y)$

CIELABu7

Normfarbwertdifferenz

$$Y_{nc} = L^* W_{RGBnc} = 100, 52, 87, 31$$

$$T^*_{CIELABu7} = 59 (Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,5) \log[2,5(Y_u/58)] + [1 - (1/2,5)] \log(Y)$$

ΔY

2 100

1 10

0 1

-1

$$T^*_u = 50, dY_u = 4,27, dY_u/Y_u = 0,2377$$

$$\log(dY) = 4,27, m_u = 0,59$$

$$dY_{90} = 11,23, \gamma = 2,5, \gamma = 1/2,5 = 0,40$$

$$dY_{18} = 4,27, S_n = 5,42, D_n = -8,42$$

$$dY_{3,6} = 1,62, Y_u = 18, dY_u = 4,27$$

--- Anwendungs-
bereich

0,1

1

10

100

$Y_u = 18$

100

Y

$Y_N = 3,6$

1

10

$Y_W = 90$

100

2

$\log(Y)$