

$\log(\Delta Y/\Delta Y_u)$

CIELABu8 relative
Normfarbwertdifferenz

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

$\Delta Y/\Delta Y_u$

2 100

$T^*_{CIELABu8} = 50(Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1 - (1/2,0)] \log(Y/Y_u)$

1 10

$dY_{90}/dY_u = 2,23, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$

$dY_{18}/dY_u = 1,00, S_n = 49,21, D_n = 0,78$

$dY_{3,6}/dY_u = 0,44, Y_u = 18, dY_u = 4,06$

0 1

$T^*_u = 50, dY_u = 4,06, dY_u/Y_u = 0,2257$

$\log[(dY)/(dY)_u] = 0, m_u = 0,50$

--- Anwendungs-
bereich

0,1
-1

10 $Y_u = 18$ 100 Y

$Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$