

$\log(Y/\Delta Y)$

CIELABu1

Normfarbwertkontrast

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$C_r = (Y/\Delta Y)$

2 100

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

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

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

1 10

$L^*_u = 50, dY_u = 4,58, Y_u/dY_u = 3$

$\log(Y/dY) = 0,59, m_u = 0,33$

0 1

Anwendungs-
bereich

-1 0,1 1 10 100 $Y_u = 18$ 100 Y
-2 -1 0 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$