

$\log(Y/\Delta Y)$

CIELABu2

Normfarbwertkontrast

$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$

$C_r = (Y/\Delta Y)$

2 100

$l^*_{CIELABu2} = 59(Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

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

1 10

$l^*_u = 50, dY_u = 4,27, Y_u/dY_u = 4$

$\log(Y/dY) = 0,62, m_u = 0,39$

0 1

Anwendungsbereich

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