

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIELABn3 relativer
Normfarbwertkontrast

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

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$
 $L^*_{CIELABn3} = 100(Y/Y_n)^{1/2,0} + 1 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$

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

2
100

$(Y/dY)_{90}/(Y/dY)_u = 2,23, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$

$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 99,21, D_n = 0,78$

$(Y/dY)_{3,6}/(Y/dY)_u = 0,44, Y_n = 100, dY_n = 4,75$

1
10

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

$L^*_u = 43, dY_u = 4,75, Y_u/dY_u = 3$

Anwendungs-
bereich

0,1

1

10

100

$Y_u = 18$

Y

-1

0

1

2

$Y_N = 3,6$

1

$Y_W = 90$

log(Y)