

$\log(Y/\Delta Y)$

CIELABn9

tristimulus value contrast

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

$C_r = (Y/\Delta Y)$

$T^*_{CIELABn9} = 87(Y/Y_n)^{1/1,5} + 13 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(Y/dY) = -\log[1,5(Y_u/86)] + (1/1,5) \log(Y/Y_u)$
 $= -(1/1,5) \log[1,5(Y_u/86)] + (1/1,5) \log(Y)$

$T^*_u = 41, dY_u = 5,40, Y_u/dY_u = 3$

$\log(Y/dY) = 0,52, m_u = 0,66$

$(Y/dY)_{90} = 9,72, Y_u = 18, 1/\gamma = 1/1,5 = 0,66$

$(Y/dY)_{18} = 3,32, S_n = 86,98, D_n = 13,01$

$(Y/dY)_{3,6} = 1,14, Y_n = 100, dY_n = 5,40$

application
range

0,1

1

10

100

$Y_u = 18$

Y

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$