

$\log(Y/\Delta Y)$

CIELABu7

tristimulus value contrast

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

$C_r = (Y/\Delta Y)$

2 100

$t^*_{CIELABu7} = 59(Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

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

1 10

$t^*_u = 50, dY_u = 4,27, Y_u/dY_u = 1$

$\log(Y/dY) = 0,62, m_u = 0,59$

0 1

$(Y/dY)_{90} = 8,00, \gamma = 2,5, 1/\gamma = 1/2,5 = 0,40$

$(Y/dY)_{18} = 4,20, S_n = 58,42, D_n = -8,42$

$(Y/dY)_{3,6} = 2,21, Y_u = 18, dY_u = 4,27$

application
range

0,1

1

10

100

$Y_u = 18$

Y

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$