

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

IECsRGBu2 relative
tistimulus value contrast

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

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$

$L^*_{IECsRGBu2} = 50 (Y/Y_u)^{1/2,0} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

2

100

1

10

0

1

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

$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 50,00, D_n = -0,00$

$(Y/dY)_{3,6}/(Y/dY)_u = 0,44, Y_u = 18, dY_u = 4,00$

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

$L^*_u = 50, dY_u = 4,00, Y_u/dY_u = 4$

application
range

0,1

1

10

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$