

$\log(\Delta Y/Y)$

IECsRGBu1

tristimulus value sensitivity

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

$S_r = (\Delta Y/Y)$

2-100

$L^*_{IECsRGBu1} = 50 (Y/Y_u)^{1/2,4}$ ($Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc}$)

$\log(dY/Y) = \log[2,4(Y_u/50)] - (1/2,4) \log(Y/Y_u)$

$= (1/2,4) \log[2,4(Y_u/50)] - (1/2,4) \log(Y)$

1-10

$\log(dY/Y) = -0,57, m_u = -0,41$

$L^*_u = 50, dY_u = 4,80, dY_u/Y_u = 0,2666$

application range

0-1

$(dY/Y)_{90} = 0,1363, \gamma = 2,4, 1/\gamma = 1/2,4 = 0,41$

$(dY/Y)_{18} = 0,2666, S_n = 50,00, D_n = -0,00$

$(dY/Y)_{3,6} = 0,5202, Y_u = 18, dY_u = 4,80$

0,1

1

10

100

$Y_u = 18$

100

Y

-1

-2

0

$Y_N = 3,6$

1

10

100

$Y_w = 90$

2

$\log(Y)$