

$\log (\Delta Y/Y)$

IECsRGBu0

tristimulus value sensitivity

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

$S_r=(\Delta Y/Y)$

2-100

$L^*_{IECsRGBu0}=50(Y/Y_u)^{1/2,4} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

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

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

$Y_u=18$

Y

-1

0

1

2

$Y_N=3,6$

$Y_W=90$

$\log(Y)$