

$\log (\Delta Y/Y)$

IECsRGBu5

tristimulus value sensitivity

$Y_{nc}=Y_{wRGBnc}=100, \text{red, green, blue}$

$S_r=(\Delta Y/Y)$

2-100

$t_{IECsRGBu5}^*=50 (Y/Y_u)^{1/2,4} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

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

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

1-10

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

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

application range

-1-0,1 1 10 100 $Y_u=18$ 100 Y
 $-2 -1 0 Y_N=3,6 1 Y_W=90 2 \log(Y)$