

$\log (\Delta Y/Y)$

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

0,1

1

10

$Y_u=18$

100

Y

-1

-1

0

$Y_N=3,6$

1

$Y_W=90$

2

$\log(Y)$