

$\log(\Delta Y/Y)$

IECsRGBu9

tristimulus value sensitivity

$Y_{nc}=Y_W \text{RGB}_{nc}=100, 21, 72, 7$

$$S_r = (\Delta Y/Y)$$

2
100

$$t^*_{IECsRGBu9} = 50(Y/Y_u)^{1/1,2} \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\begin{aligned}\log(dY/Y) &= \log[1,2(Y_u/50)] - (1/1,2) \log(Y/Y_u) \\ &= (1/1,2) \log[1,2(Y_u/50)] - (1/1,2) \log(Y)\end{aligned}$$

1
10

0
1

-1
-1

$$\log(dY/Y) = -0,87, m_u = -0,83$$

0
-1

$$t^*_{u} = 50, dY_u = 2,40, dY_u/Y_u = 0,1333$$

application range

0,1

1

10

$Y_N=3,6$

$Y_u=18$

100

$Y_W=90$

-1

0

1

2

$\log(Y)$