

$$\log [(\Delta Y/Y) / (\Delta Y/Y)_u]$$

IECsRGBu9 relative
tistimulus value sensitivity

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

$$S_r/S_{ru} = (\Delta Y/Y) / (\Delta Y/Y)_u$$

2 100

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

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

1 10

$$(dY/Y)_{90}/(dY/Y)_u = 0,96, \gamma = 1,2, 1/\gamma = 1/1,2 = 0,83$$

$$(dY/Y)_{18}/(dY/Y)_u = 1,00, S_u = 50,00, D_u = -0,00$$

$$(dY/Y)_{3,6}/(dY/Y)_u = 5,81, Y_u = 18, dY_u = 2,40$$

application
range

0 1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,83$$

$$T^*_u = 50, dY_u = 2,40, dY_u/Y_u = 0,1333$$

0,1

1

10

100

$Y_u = 18$

Y

-1

0

1

2

$Y_N = 3,6$ $Y_W = 90$ $\log(Y)$