

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

IECsRGBu1 relative
tistimulus value sensitivity

$$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$$

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

2
100

$$l^*_{IECsRGBu1} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1
10

$$(dY/Y)_{10}/(dY/Y)_u = 0,51, \gamma = 2,4, 1/\gamma = 1/2,4 = 0,41$$

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

$$(dY/Y)_{3,6}/(dY/Y)_u = 1,95, Y_u = 18, dY_u = 4,80$$

application
range

0
1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,41$$

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

0,1

1

10

100

$Y_u = 18$ 100 Y

-2

-1

0

1

2

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