

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

CIE LABu4 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

$$L^*_{CIE LABu4} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(dY/Y)/(dY/Y)_u] = - (1/1,5) \log(Y/Y_u)$$

1
10

0
1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,66$$

$$L^*_u = 50, dY_u = 4,05, dY_u/Y_u = 0,2253$$

application
range

