

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

CIE LABu7 relative
tistimulus value sensitivity

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

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

$$t^*_{CIE LABu7} = 59 (Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(dY/Y)/(dY/Y)_u] = - (1/2,5) \log(Y/Y_u)$$

2
100

1
10

0
1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,39$$

$$t^*_u = 50, dY_u = 4,27, dY_u/Y_u = 0,2377$$

application
range

