

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

CIE LABu9 relative
tistimulus value sensitivity

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

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

$$T^*_{CIE LABu9} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

2

100

1

10

0

1

-1

0,1

1

10

100

Y

-2

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$

application
range

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

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