

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

CIE LABn1 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

$$l^*_{CIE LABn1} = 116(Y/Y_n)^{1/3,0} - 16 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(dY/Y)/(dY/Y)_u] = - (1/3,0) \log(Y/Y_u)$$

1
10

$$(dY/Y)_{90} / (dY/Y)_u = 0,58, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$$

$$(dY/Y)_{10} / (dY/Y)_u = 1,00, S_n = 115,49, D_n = -15,49$$

$$(dY/Y)_{3,6} / (dY/Y)_u = 1,70, Y_n = 100, dY_n = 4,60$$

application
range

0
1

$$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,33$$

$$l^*_u = 50, dY_u = 4,60, dY_u/Y_u = 0,2555$$

0,1

1

10

$Y_u = 18$ 100 Y

-2

0

1

$Y_N = 3,6$ 1 $Y_W = 90$ 2

log(Y)