

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

CIELABn3 relative
tistimulus value sensitivity

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

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

$l^*_{CIELABn3} = 100 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 100, Y_{nc}/100 < Y \leq Y_{nc})$

$\log[(dY/Y)/(dY/Y)_u] = - (1/2,0) \log(Y/Y_u)$

2
100

$(dY/Y)_{90} / (dY/Y)_u = 0,44, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$

$(dY/Y)_{18} / (dY/Y)_u = 1,00, S_n = 99,21, D_n = 0,78$

$(dY/Y)_{3,6} / (dY/Y)_u = 2,7, 23, Y_u = 100, dY_u = 4,75$

application
range

1
10

$\log[(dY/Y)/(dY/Y)_u] = 0, m_u = -0,50$

$l^*_u = 43, dY_u = 4,75, dY_u/Y_u = 0,2639$

0,1

1

10

$Y_u = 18$ 100

Y

-2

-1

0

$Y_N = 3,6$ 1

$Y_W = 90$ 2

$\log(Y)$