

$\log (\Delta Y/Y)$

CIELABu2

tristimulus value sensitivity

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

$S_r=(\Delta Y/Y)$

2-100

$l^*_{CIELABu2}=59(Y/Y_u)^{1/2,5}-9 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/Y) = \log[2,5(Y_u/58)] - (1/2,5) \log(Y/Y_u)$

$= (1/2,5) \log[2,5(Y_u/58)] - (1/2,5) \log(Y)$

1-10

$\log(dY/Y)=-0,62, m_u=-0,39$

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

application range

0-1

0,1

1

10

100

$Y_u=18$

100

Y

$Y_N=3,6$

1

$Y_W=90$

2

$\log(Y)$