

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

relative CIELAB-

$$C_r/C_{ru} = (\Delta Y/Y) / (\Delta Y_u/Y_u)$$

tristimulus value sensitivity

2-100

$$L^*_{\text{CIELAB}} = 116 (Y/Y_n)^{1/3} - 16$$

relative CIELAB-tristimulus value sensitivity

$$\log(dY/Y)/(dY_u/Y_u)] = \log(Y/Y_u)^{-1/3}$$

1-10

application range

0-1

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

$$Y_u = 18, dY_u = 0,83, dY_u/Y_u = 0,0454$$

-1

0,1

1

$Y_N = 4$

10

$Y_u = 18$

100

y

-2

0

1

2