

$\log(\Delta Y/Y)$

CIELABu5

tristimulus value sensitivity

$Y_{nc} = Y_W R G B_{nc} = 100, 21, 72, 7$

$S_r = (\Delta Y/Y)$

2-100

$t^*_{CIELABu5} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/Y) = \log[3,0(Y_u/65)] - (1/3,0) \log(Y/Y_u)$
 $= (1/3,0) \log[3,0(Y_u/65)] - (1/3,0) \log(Y)$

1-10

$\log(dY/Y) = -0,55, m_u = -0,35$

$t^*_u = 50, dY_u = 4,58, dY_u/Y_u = 0,2544$

application range

-1-0,1 1 10 100 Y
 -2 -1 0 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$