

$\log(\Delta Y/Y)$

CIELABu1

tristimulus value sensitivity

$Y_{nc} = L^*_{WRGBnc} = 100, 52, 87, 31$

$$S_r = (\Delta Y/Y)$$

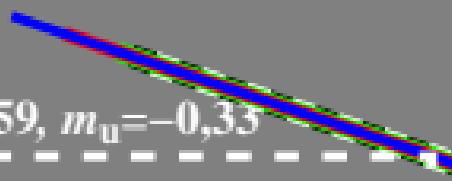
2
100

$$L^*_{CIELABu1} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

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

1
10



application range

$$\log(dY/Y) = -0,59, m_u = -0,35$$

$$L^*_{u1} = 50, dY_u = 4,58, dY_u/Y_u = 0,2544$$

0
1

$$(dY/Y)_{90} = 0,1488, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$$

$$(dY/Y)_{18} = 0,2544, S_n = 65,49, D_n = -15,49$$

$$(dY/Y)_{3,6} = 0,4342, Y_u = 18, dY_u = 4,58$$

0,1

1

10

1

-1
-2

-1

0

$Y_N = 3,6$

1

10

1

100

1

100

1

100

1

100

1

100

1

100

1

$Y_u = 18 \quad Y_W = 90$

2

log(Y)