

$\log(Y/\Delta Y)$

CIELABu4

tristimulus value contrast

$Y_{nc} = Y_W \text{RGB}_{nc} = 100, 21, 72, 7$

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

2
100

$$l^*_{\text{CIELABu4}} = 37(Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(Y/dY) = -\log[1,5(Y_u/36)] + (1/1,5) \log(Y/Y_u)$$

$$= - (1/1,5) \log[1,5(Y_u/36)] + (1/1,5) \log(Y)$$

1
10

$$l^*_{u} = 50, dY_u = 4,05, Y_u/dY_u = 4$$

$$\log(Y/dY) = 0,64, m_u = 0,66$$

0
-1

$$(Y/dY)_{90} = 12,97, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$$

$$(Y/dY)_{18} = 4,43, Y_u = 36,98, D_u = 13,01$$

$$(Y/dY)_{3,6} = 1,52, Y_u = 18, dY_u = 4,05$$

application range

