

$\log(Y/\Delta Y)$

CIELABu6

tristimulus value contrast

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

$C_r = (Y/\Delta Y)$

2 100

$t^*_{\text{CIELABu6}} = 66(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

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

1 10

$t^*_u = 50, dY_u = 4,58, Y_u/dY_u = 2$

$\log(Y/dY) = 0,50, m = 0,33$

0 1

application range

0,1

1

10

$Y_u = 18$

100

Y

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$