

$\log(Y/\Delta Y)$

CIELABu3

tristimulus value contrast

$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$

$C_r = (Y/\Delta Y)$

2 100

$l^*_{CIELABu3} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(Y/dY) = -\log[2,0(Y_u/49)] + (1/2,0) \log(Y/Y_u)$

$= -(1/2,0) \log[2,0(Y_u/49)] + (1/2,0) \log(Y)$

1 10

$l^*_u = 50, dY_u = 4,06, Y_u/dY_u = 4$

$\log(Y/dY) = 0,64, m_u = 0,50$

0 1

application  
range

0,1

1

10

$Y_u = 18$

100

$Y$

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$