

$\log(Y/\Delta Y)$

CIELABu9

tristimulus value contrast

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

$C_r=(Y/\Delta Y)$

2 100

$t^*_{CIELABu9}=37(Y/Y_u)^{1/1,5}+13 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

$t^*_u=50, dY_u=4,05, Y_u/dY_u=4$

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

0 1

application
range

0,1

1

10

$Y_u=18$

100

Y

-1

0

$Y_N=3,6$

1

$Y_W=90$

2

$\log(Y)$