

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIE LABu0 relative
tistimulus value contrast

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

$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$
 $L^*_{CIE LABu0} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

2
100
1
10
0
1
-1

$\log [(Y/dY) / (Y/dY)_u] = 0, m_u = 0,33$

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

application
range

0,1

1

10

100

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$