

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

CIE LABu1 relativer  
Normfarbwertkontrast

$C_r/C_{ru}=(Y/\Delta Y)/(Y/\Delta Y)_u$

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

2 100

$l^*_{CIE LABu1}=66(Y/Y_u)^{1/3,0}-16 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

$(Y/dY)_{90}/(Y/dY)_u=1,70, \gamma=3,0, 1/\gamma=1/3,0=0,33$

$(Y/dY)_{18}/(Y/dY)_u=1,00, S_n=65,49, D_n=-15,49$

$(Y/dY)_{3,6}/(Y/dY)_u=0,58, Y_u=18, dY_u=4,58$

0 1

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

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

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| |  
| |  
Anwendungs-  
bereich

-1 -2 -1 0 1 10 100 Y  
 $Y_N=3,6$   $Y_W=90$   $Y_u=18$   $100$   $\log(Y)$