

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

CIELABu1 relativer  
Normfarbwertkontrast

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

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

$$L^*_{CIELABu1} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

2  
100

1  
10

0  
1

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

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

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Anwendungs-  
bereich

0,1

1

10

100

$Y_u = 18$  100 Y

-2

-1

0

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$