

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

CIELABu0 relativer  
Normfarbwertkontrast

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

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

2 100

$$l^*_{CIELABu0} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

1 10

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

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

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Anwendungs-  
bereich

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