

$\log(\Delta Y/\Delta Y_u)$

CIELABu4 relative

Normfarbwertdifferenz

$Y_{nc} = Y_W$  RGB<sub>nc</sub> = 100, 21, 72, 7

$\Delta Y/\Delta Y_u$

2 100

$l^*_{\text{CIELABu4}} = 37(Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

$dY_{90}/dY_u = 1,70, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$

$dY_{18}/dY_u = 1,00, S_n = 36,98, D_n = 13,01$

$dY_{3,6}/dY_u = 0,58, Y_u = 18, dY_u = 4,05$

0 1

$l^*_u = 50, dY_u = 4,05, dY_u/Y_u = 0,2253$

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

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| | |  
Anwendungs-  
bereich

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