

$\log(\Delta Y)$

CIELABu2

Normfarbwertdifferenz

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

$$L^*_{CIELABu2} = 59(Y/Y_u)^{1/2,5} - 9 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,5) \log[2,5(Y_u/58)] + [1 - (1/2,5)] \log(Y)$$

2  
1  
0  
-1

$$L^*_u = 50, dY_u = 4,27, dY_u/Y_u = 0,2377$$

$$\log(dY) = 4,27, m_u = 0,59$$

-----  
Anwendungs-  
bereich

0,1

1

10

100

$Y_u = 18$

100

$Y$

-2  
-1

0

10

100

100

100

100

100

100

100

100

100

100

$Y_N = 3,6$

$Y_W = 90$

100

$\log(Y)$