

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

CIELABn9 relative
tristimulus value difference

$$Y_{nc} = L^* \mathbf{w} \mathbf{R} \mathbf{G} \mathbf{B}_{nc} = 100, \text{52, 87, 31}$$

$$T^*_{\text{CIELABn9}} = 87 (Y/Y_n)^{1/1,5} + 13 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

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

$\Delta Y/\Delta Y_u$

2 100

1 10

0 1

-1

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

$$dY_{18}/dY_u = 1,00, S_n = 86,98, D_n = 13,01$$

$$dY_{3,6}/dY_u = 0,58, Y_n = 100, dY_n = 5,40$$

$$T^*_u = 41, dY_u = 5,40, dY_u/Y_u = 0,3005$$

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

application
range

0,1

-1

0

$Y_N = 3,6$

1

10

1

1

$Y_u = 18$

1

100

2

$Y_W = 90$

2

Y

$\log(Y)$