

$\Delta Y / \Delta Y_u$

CIELAB tristimulus value difference

 $\Delta Y / \Delta Y_u$ ΔY normalized to ΔY_u

6

$$L^* = s (Y/Y_n)^n - d \quad (Y_n=100, Y_u=18, s=116, n=1/3, d=16) \quad [1a]$$

$$L^* = r (Y/Y_u)^n - d \quad (r = s (Y_u/Y_n)^n = 65,49, L^*_u = r - d) \quad [1b]$$

$$dY = [Y_n / (n s)] (Y / Y_n)^{1-n} \quad [2c]$$

$$dY_u = [Y_n / (n s)] (Y_u / Y_n)^{1-n} = 1,4602 \quad [2d]$$

$$dY / dY_u = (Y / Y_u)^{1-n} \quad [2e]$$

4

2

0

$$m_{u90_4} = 0,024, f_{90}=2, f_4=0$$

$$m_u = 0,029$$

application range

0,1

0,143

1

10

100

100

Y

log Y

3,089