

$l^*/l_u^*$ CIELABn3 relative standard lightness  $l^*/l_n^*$  $Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$  $l^*/l_u^*$ 

2 100

 $l_{CIELABn3}^* = 100 (Y/Y_n)^{1/2,0} + 1 \quad (Y_n=100, Y_{nc}/100 < Y \leq Y_{nc})$  $l_{N(3,6)}^* = 20, l_u^*(18) = 43, l_{W(90)}^* = 95$ 

1 10

 $l_{90}^*/l_u^* = 2,21, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$  $l_{18}^*/l_u^* = 1,00, S_n = 99,21, D_n = 0,78$  $l_{3,6}^*/l_u^* = 0,45, l_n^* = 42,87, Y_n = 18$ 

0 1

 $\log[l^*/l_u^*] = 0, m_u = 0,49$  $L_u^* = 49, l_u^* = 43$ application  
range

-1 0,1 1 10 100 Y

 $Y_N = 3,6$ 

1

 $Y_u = 18$  $Y_W = 90$ 

2

 $\log(Y)$