

L^*/L_u^* IECsRGBu4 relative standard lightness L^*/L_u^* $Y_{nc} = L^*_w \text{RGB}_{nc} = 100, 52, 87, 31$ L^*/L_u^*

2 100

 $L^*_{\text{IECsRGBu4}} = 50 (Y/Y_u)^{1/1,2} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$ $L^*_N(3,6) = 13, L^*_u(18) = 50, L^*_w(90) = 191$

1 10

0 1

 $\log[L^*/L_u^*] = 0, m_u = 0,83$ $L^*_u = 49, L^*_u = 50$ application
range

0,1

1

10

100

 $Y_u = 18$ Y

-1

0

1

2

 $Y_N = 3,6$ $Y_w = 90$ $\log(Y)$