

$L^*$ IECsRGBu4 standard lightness  $L^*$ 

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

 $L^*$ 

4 10000

$$L^*_{IECsRGBu4} = 50 (Y/Y_u)^{1/1,2} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{N(3,6)} = 13, L^*_u(18) = 50, L^*_{W(90)} = 191$$

3 1000

2 100

$$\log[L^*/L^*_u] = 0, m_u = 0,83$$

$$L^*_u = 49, L^*_u = 50$$

application  
range

1

0,1

1

10

1

10

100

Y

Y<sub>u</sub> = 18Y<sub>W</sub> = 90

2

-2

-1

0

1

2

log(Y)