

L^* IECsRGBu3-Normhelligkeit L^*

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

 L^*

4 10000

$$L^*_{IECsRGBu3} = 50 (Y/Y_u)^{1/1,6} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{N(3,6)} = 18, L^*_u(18) = 50, L^*_{W(90)} = 137$$

3 1000

$$L^*_{90} = 136,71, \gamma = 1,6, 1/\gamma = 1/1,6 = 0,62$$

$$L^*_{18} = 50,00, S_u = 50,00, D_u = -0,00$$

$$L^*_{3,6} = 18,24, L^*_u = 50,00, Y_u = 18$$

2 100

$$\log[L^*/L^*_u] = 0, m_u = 0,62$$

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

Anwendungsbereich

1

0,1

1

10

100

 $Y_u = 18$

Y

-2

-1

0

 $Y_N = 3,6$

1

2

 $Y_W = 90$ $\log(Y)$