

t^*/t_u^* CIELABu9 relative Dreieckshelligkeit t^*/t_u^* $Y_{nc} = Y_W \mathbf{RGB}_{nc} = 100, \mathbf{21, 72, 7}$ t^*/t_u^*

2-100

 $t^*_{\text{CIELABu9}} = 37(Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$ $t^*_{N(3,6)} = 26, t^*_{u(18)} = 50, t^*_{W(90)} = 121$

1-10

 $t^*_{90}/t^*_{u(18)} = 2,42, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$ $t^*_{18}/t^*_{u(18)} = 1,00, S_n = 36,98, D_n = 13,01$ $t^*_{3,6}/t^*_{u(18)} = 0,51, t^*_{u(18)} = 50,00, Y_u = 18$

0-1

 $\log[t^*/t_u^*] = 0, m_u = 0,49$ $L^*_u = 49, t^*_{u(18)} = 50$

Anwendungsbereich

-1 -2 -1 0 1 10 100 $Y_u = 18$ 100 Y

0 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$