

9stufige Grauskalierung zwischen $L^*_{0aN}=22$ & $L^*_{0aW}=108.2$, $Y_{0ref}=1$, Normierung Weiß W

$L^*_{0aN}=22.8$, $L^*_{0aU}=65.5$, $L^*_{0aW}=108.2$, $Y_{0aN}=3.3$, $Y_{0aU}=37.8$, $Y_{0aW}=120.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=36.0$

$L^*_{taN}=25.5$, $L^*_{taU}=66.0$, $L^*_{taW}=108.2$, $Y_{taN}=4.3$, $Y_{taU}=38.5$, $Y_{taW}=120.0$, $C_{taY}=Y_{taW}:Y_{taN}=27.9$

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBsRGB,W} = 100 [Y/Y_n]^{1/\ln(10)}$ mit $Y \geq 0,39 = 100/255$, $Y_n=100$

$g^*_5=99$, $g^*_9=99$

$g^*_5=93$, $g^*_9=91$

$g^*_5=90$, $g^*_9=88$

$L^*_{TUBsRGB,W}$ angestrebte Ausgabe

reale Ausgabe

linearisierte Ausgabe

n0. i	L^*_{0a} L^*_{0r} Y_{0a} Y_{0r}				L^*_{ta} ΔL^*_{ta} L^*_{tr} Y_{ta} $(L^*_{tr})^{1/1.07}$					L^*_{la} ΔL^*_{la}	
	9	108.2	1.0	120.0	1.0	108.2		1.0	120.0	1.0	108.2
8	97.6	0.875	94.5	0.781	97.6	10.6	0.872	94.7	0.88	98.3	9.9
7	86.9	0.75	72.3	0.591	87.1	10.6	0.744	72.7	0.76	88.4	10.0
6	76.2	0.625	53.5	0.43	76.5	10.5	0.617	54.0	0.638	78.3	10.1
5	65.5	0.5	37.8	0.295	66.0	10.5	0.49	38.5	0.515	68.1	10.2
4	54.8	0.375	25.1	0.186	55.6	10.4	0.364	25.9	0.39	57.8	10.3
3	44.2	0.25	15.2	0.102	45.2	10.3	0.239	16.1	0.264	47.3	10.5
2	33.5	0.125	8.0	0.04	35.1	10.1	0.116	9.0	0.135	36.7	10.6
1	22.8	0.0	3.3	0.0	25.5	9.6	0.0	4.3	0.0	25.5	11.2

$\Delta L^*_{0a}=10.7$ (i=1,2,...,8)

Normierung: $Y_{taiW}=Y_{0aW} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$