9stufige Grauskalierung zwischen $L^*_{0aN}=30$ & $L^*_{0aW}=80.1$, $Y_{0ref}=4$, Normierung Weiß W

$L^*_{0aN}=30.8$, $L^*_{0aU}=55.5$, $L^*_{0aW}=80.1$, $Y_{0aN}=6.7$, $Y_{0aU}=25.7$, $Y_{0aW}=60.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=9.0$

$L^*_{taN}=36.8$, $L^*_{taU}=57.4$, $L^*_{taW}=80.1$, $Y_{taN}=10.0$, $Y_{taU}=27.9$, $Y_{taW}=60.0$, $C_{taY}=Y_{taW}:Y_{taN}=6.0$

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 $Y >= 0{,}39 = 100/255$, $Y_n=100$

$g^*_5= 99$, $g^*_9= 99$ $g^*_5= 86$, $g^*_9= 83$ $g^*_5= 87$, $g^*_9= 82$

| $L^*_{TUBsRGB,W}$ angestrebte Ausgabe | | | | | reale Ausgabe | | | | | linearisierte Ausgabe | |
n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.13}$	L*la	ΔL*la
9	80.1	1.0	60.0	1.0	80.1		1.0	60.0	1.0	80.1	
						5.7					5.1
8	73.9	0.875	49.9	0.811	74.3		0.867	50.5	0.882	75.0	
						5.7					5.2
7	67.8	0.75	40.8	0.641	68.6		0.735	42.0	0.762	69.8	
						5.6					5.2
6	61.6	0.625	32.8	0.49	63.0		0.605	34.5	0.642	64.6	
						5.6					5.3
5	55.5	0.5	25.7	0.358	57.4		0.477	27.9	0.52	59.3	
						5.4					5.3
4	49.3	0.375	19.6	0.243	52.0		0.351	22.2	0.397	54.0	
						5.3					5.4
3	43.2	0.25	14.4	0.146	46.7		0.228	17.3	0.271	48.5	
						5.1					5.5
2	37.0	0.125	10.1	0.065	41.6		0.11	13.2	0.143	43.0	
						4.8					6.2
1	30.8	0.0	6.7	0.0	36.8		0.0	10.0	0.0	36.8	

$\Delta L^*_{0a}=6.1$ (i=1,2,...,8)

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