9stufige Grauskalierung zwischen L^*_{0aN}=23 & L^*_{0aW}=104.2, Y_{0ref}=4, Normierung Weiß *W*

L^*_{0aN}=23.7, L^*_{0aU}=64.0, L^*_{0aW}=104.2, Y_{0aN}=3.6, Y_{0aU}=35.7, Y_{0aW}=110.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=30.2

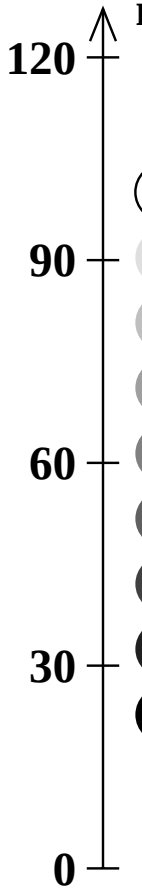
L^*_{taN}=32.2, L^*_{taU}=65.9, L^*_{taW}=104.2, Y_{taN}=7.4, Y_{taU}=38.3, Y_{taW}=110.0, $C_{taY}=Y_{taW}:Y_{taN}$=14.9

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 >= 0,39 = 100/255, Y_n=100

g^*_5= 99, g^*_9= 99 **g^*_5= 80, g^*_9= 75** **g^*_5= 77, g^*_9= 71**

$L^*_{TUBsRGB,W}$	angestrebte Ausgabe				reale Ausgabe					linearisierte Ausgabe	
n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.23}$	L*la	ΔL*la
9	104.2	1.0	110.0	1.0	104.2		1.0	110.0	1.0	104.2	
						9.7					8.0
8	94.2	0.875	87.1	0.784	94.5		0.865	87.9	0.889	96.2	
						9.6					8.2
7	84.1	0.75	67.1	0.597	84.9		0.732	68.6	0.775	88.0	
						9.5					8.4
6	74.0	0.625	50.0	0.436	75.4		0.599	52.1	0.659	79.7	
						9.4					8.6
5	64.0	0.5	35.7	0.302	65.9		0.468	38.3	0.539	71.0	
						9.2					8.9
4	53.9	0.375	24.1	0.192	56.7		0.34	27.1	0.416	62.2	
						8.9					9.2
3	43.8	0.25	15.0	0.107	47.8		0.217	18.3	0.288	53.0	
						8.3					9.6
2	33.8	0.125	8.2	0.043	39.5		0.101	11.8	0.155	43.4	
						7.3					11.1
1	23.7	0.0	3.6	0.0	32.2		0.0	7.4	0.0	32.2	



ΔL^*_{0a}=10.1 (i=1,2,...,8)

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