9stufige Grauskalierung zwischen L^*_{0aN}=24 & L^*_{0aW}=100.0, Y_{0ref}=4, Normierung Weiß *W*

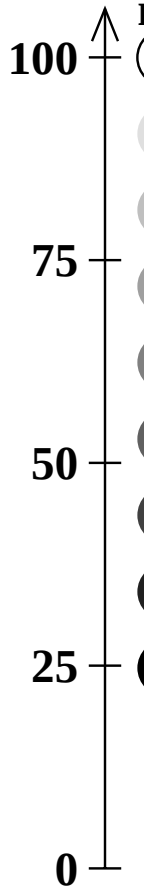
L^*_{0aN}=24.7, L^*_{0aU}=62.3, L^*_{0aW}=100.0, Y_{0aN}=4.0, Y_{0aU}=33.7, Y_{0aW}=100.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=25.0

L^*_{taN}=32.8, L^*_{taU}=64.4, L^*_{taW}=100.0, Y_{taN}=7.7, Y_{taU}=36.2, Y_{taW}=100.0, $C_{taY}=Y_{taW}:Y_{taN}$=13.0

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= 81, g^*_9= 76	g^*_5= 79, g^*_9= 73
$L^*_{TUBsRGB,W}$	angestrebte Ausgabe	reale Ausgabe	linearisierte Ausgabe



n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.21}$	L*la	ΔL*la
9	100.0	1.0	100.0	1.0	100.0		1.0	100.0	1.0	100.0	
						9.0					7.5
8	90.6	0.875	79.6	0.788	91.0		0.866	80.4	0.888	92.5	
						9.0					7.7
7	81.2	0.75	61.9	0.603	82.0		0.732	63.3	0.773	84.8	
						8.9					7.9
6	71.8	0.625	46.6	0.443	73.1		0.6	48.6	0.656	76.9	
						8.8					8.1
5	62.3	0.5	33.7	0.309	64.4		0.469	36.2	0.536	68.8	
						8.6					8.3
4	52.9	0.375	23.1	0.199	55.8		0.342	26.1	0.412	60.5	
						8.3					8.5
3	43.5	0.25	14.7	0.112	47.5		0.218	18.0	0.285	52.0	
						7.8					8.9
2	34.1	0.125	8.4	0.046	39.7		0.103	11.9	0.153	43.1	
						6.9					10.3
1	24.7	0.0	4.0	0.0	32.8		0.0	7.7	0.0	32.8	

ΔL^*_{0a}=9.4 (i=1,2,...,8)

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