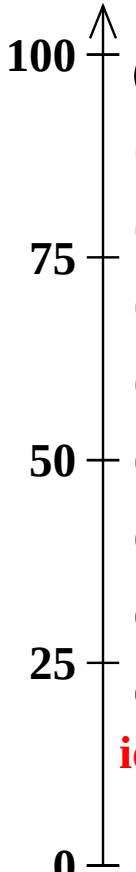
Equal 9 step grey scaling between L^*_{0aN}=22.3 and L^*_{0aW}=95.9, Y_{0ref}=3.6, normalisation grey *U*

L^*_{0aN}=22.3, L^*_{0aU}=59.1, L^*_{0aW}=96.0, Y_{0aN}=3.6, Y_{0aU}=27.2, Y_{0aW}=90.0, C_{0aY}=Y_{0aW}:Y_{0aN}=25.0

L^*_{taN}=30.3, L^*_{taU}=59.1, L^*_{taW}=92.9, Y_{taN}=6.3, Y_{taU}=27.2, Y_{taW}=82.6, C_{taY}=Y_{taW}:Y_{taN}=13.0

Regularity index according to ISO/IEC 15775:2022, annex G for 5 and 9 steps

g^* = 100 [ΔL^*_{min}] / [ΔL^*_{max}], L^*_{CIELAB} = 116 [Y/Y_n]$^{1/3}$ – 16 with Y >= 0,882, Y_n=100



L^*_{CIELAB}		g^*_5= 99, g^*_9= 99 intended output				g^*_5= 77, g^*_9= 71 real output					g^*_5= 98, g^*_9= 97 linearized output	
n0. i		L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.12}$	L*la	ΔL*la
9		96.0	1.0	90.0	1.0	92.9		1.0	82.6	1.0	92.9	
							8.6					7.7
8		86.8	0.875	69.6	0.763	84.3		0.863	64.6	0.876	85.1	
							8.5					7.8
7		77.6	0.75	52.5	0.566	75.8		0.727	49.5	0.751	77.3	
							8.4					7.8
6		68.4	0.625	38.5	0.403	67.4		0.593	37.1	0.626	69.5	
							8.2					7.9
5		59.1	0.5	27.2	0.273	59.1		0.461	27.2	0.5	61.6	
							8.0					7.9
4		49.9	0.375	18.4	0.171	51.1		0.333	19.4	0.374	53.7	
							7.6					7.8
3		40.7	0.25	11.7	0.094	43.5		0.211	13.5	0.248	45.8	
							7.0					7.7
2		31.5	0.125	6.9	0.038	36.5		0.098	9.2	0.125	38.1	
							6.1					7.8
1		22.3	0.0	3.6	0.0	30.3		0.0	6.3	0.0	30.3	
identical			rgb*0r					rgb*'tr		$(rgb^*'tr)^{1/1.12}$		

ΔL^*_{0a}=9.2 (i=1,2,...,8)

normalisation: $Y_{taiU}=Y_{0aU}\frac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$