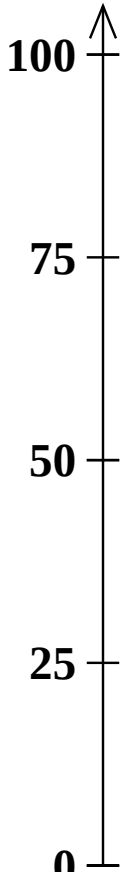
Equal 9 step grey scaling between L^*_{0aN}=22.3 and L^*_{0aW}=95.9, Y_{0ref}=3.6, normalisation white *W*

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}=31.6, L^*_{taU}=61.3, L^*_{taW}=96.0, Y_{taN}=6.9, Y_{taU}=29.6, Y_{taW}=90.0, 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}		intended output				real output					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	96.0		1.0	90.0	1.0	96.0	
							8.8					8.0
	8	86.8	0.875	69.6	0.763	87.2		0.863	70.3	0.876	88.0	
							8.7					8.0
	7	77.6	0.75	52.5	0.566	78.4		0.727	53.9	0.751	80.0	
							8.6					8.1
	6	68.4	0.625	38.5	0.403	69.8		0.593	40.4	0.626	71.9	
							8.5					8.1
	5	59.1	0.5	27.2	0.273	61.3		0.461	29.6	0.5	63.8	
							8.2					8.1
	4	49.9	0.375	18.4	0.171	53.1		0.333	21.1	0.374	55.7	
							7.8					8.1
	3	40.7	0.25	11.7	0.094	45.2		0.211	14.7	0.248	47.6	
							7.3					7.9
	2	31.5	0.125	6.9	0.038	38.0		0.098	10.1	0.125	39.7	
							6.3					8.1
	1	22.3	0.0	3.6	0.0	31.6		0.0	6.9	0.0	31.6	

g^*_5= 99, g^*_9= 99 **g^*_5= 77, g^*_9= 71** **g^*_5= 98, g^*_9= 97**

ΔL^*_{0a}=9.2 (i=1,2,...,8)

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