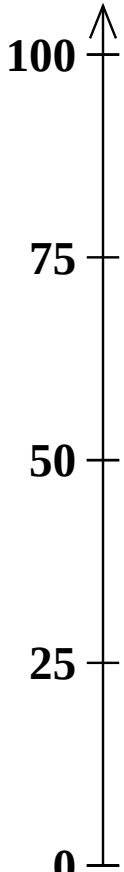
Equal 9 step grey scaling between L^*_{0aN}=22.3 and L^*_{0aW}=95.9, Y_{0ref}=1.8, normalisation grey *U*

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}=26.9, L^*_{taU}=59.1, L^*_{taW}=94.3, Y_{taN}=5.1, Y_{taU}=27.2, Y_{taW}=86.1, C_{taY}=Y_{taW}:Y_{taN}=17.0

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= 86, g^*_9= 82 real output					g^*_5= 98, g^*_9= 98 linearized output	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	(L*tr)$^{1/1.06}$	L*la	ΔL*la
	9	96.0	1.0	90.0	1.0	94.3		1.0	86.1	1.0	94.3	
							8.9					8.4
	8	86.8	0.875	69.6	0.763	85.5		0.868	66.9	0.876	86.0	
							8.8					8.4
	7	77.6	0.75	52.5	0.566	76.6		0.737	50.9	0.751	77.6	
							8.8					8.4
	6	68.4	0.625	38.5	0.403	67.8		0.607	37.8	0.625	69.1	
							8.7					8.5
	5	59.1	0.5	27.2	0.273	59.1		0.478	27.2	0.5	60.6	
							8.6					8.5
	4	49.9	0.375	18.4	0.171	50.6		0.351	18.9	0.374	52.1	
							8.3					8.4
	3	40.7	0.25	11.7	0.094	42.2		0.227	12.6	0.249	43.7	
							8.0					8.4
	2	31.5	0.125	6.9	0.038	34.3		0.109	8.1	0.124	35.3	
							7.3					8.4
	1	22.3	0.0	3.6	0.0	26.9		0.0	5.1	0.0	26.9	

ΔL^*_{0a}=9.2 (i=1,2,...,8)

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