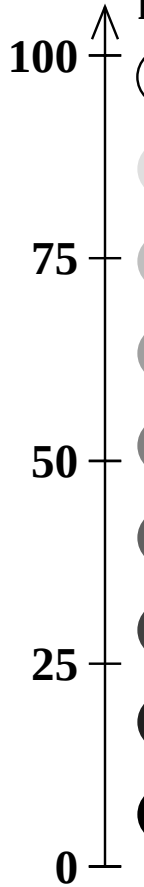
Equal 9 step grey scaling between L^*_{0aN}=8.1 and L^*_{0aW}=95.9, Y_{0ref}=0.9, normalisation grey *U*

L^*_{0aN}=8.1, L^*_{0aU}=52.1, L^*_{0aW}=96.0, Y_{0aN}=0.9, Y_{0aU}=20.2, Y_{0aW}=90.0, C_{0aY}=Y_{0aW}:Y_{0aN}=99.9

L^*_{taN}=14.0, L^*_{taU}=52.1, L^*_{taW}=94.7, Y_{taN}=1.7, Y_{taU}=20.2, Y_{taW}=87.0, C_{taY}=Y_{taW}:Y_{taN}=50.5

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



	intended output g^*_5= 99, g^*_9= 99				**real output** g^*_5= 81, g^*_9= 74					**linearized output** g^*_5= 96, g^*_9= 94	
n0. i	**L*0a**	**L*0r**	**Y0a**	**Y0r**	**L*ta**	**ΔL*ta**	**L*tr**	**Yta**	**(L*tr)$^{1/1.09}$**	**L*la**	**ΔL*la**
9	96.0	1.0	90.0	1.0	94.7		1.0	87.0	1.0	94.7	
						10.7					9.9
8	85.0	0.875	66.0	0.731	84.0		0.867	64.1	0.877	84.8	
						10.7					10.0
7	74.0	0.75	46.7	0.515	73.3		0.734	45.6	0.753	74.8	
						10.6					10.1
6	63.0	0.625	31.6	0.345	62.6		0.602	31.1	0.628	64.7	
						10.6					10.2
5	52.1	0.5	20.2	0.217	52.1		0.472	20.2	0.502	54.5	
						10.4					10.3
4	41.1	0.375	11.9	0.124	41.6		0.343	12.3	0.374	44.2	
						10.1					10.3
3	30.1	0.25	6.3	0.06	31.5		0.217	6.9	0.246	33.8	
						9.5					10.2
2	19.1	0.125	2.8	0.021	22.0		0.099	3.5	0.12	23.7	
						8.0					9.7
1	8.1	0.0	0.9	0.0	14.0		0.0	1.7	0.0	14.0	

ΔL^*_{0a}=11.0 (i=1,2,...,8)

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