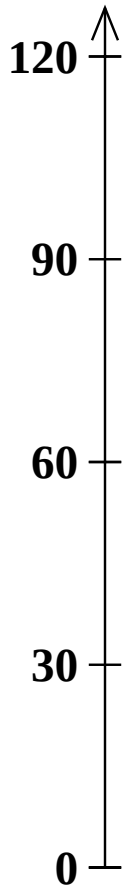
9stufige Grauskalierung zwischen L^*_{0aN}=14.4 und L^*_{0aW}=95.9, Y_{0ref}=90.0, Normierung Grau *U*

L^*_{0aN}=14.4, L^*_{0aU}=55.2, L^*_{0aW}=96.0, Y_{0aN}=1.8, Y_{0aU}=23.1, Y_{0aW}=90.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=50.0

L^*_{taN}=50.4, L^*_{taU}=55.2, L^*_{taW}=67.1, Y_{taN}=18.8, Y_{taU}=23.1, Y_{taW}=36.8, $C_{taY}=Y_{taW}:Y_{taN}$=2.0

Regularitätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen

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



		g^*_5= 99, g^*_9= 99				g^*_5= 22, g^*_9= 16					g^*_5= 89, g^*_9= 72	
		angestrebte Ausgabe				reale Ausgabe					linearisierte Ausgabe	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.75}$	L*la	ΔL*la
○	9	96.0	1.0	90.0	1.0	67.1		1.0	36.8	1.0	67.1	
							3.6					2.2
	8	85.8	0.875	67.6	0.746	63.5		0.784	32.2	0.871	65.0	
							3.2					2.1
	7	75.6	0.75	49.2	0.538	60.3		0.592	28.5	0.742	62.8	
							2.8					2.1
	6	65.4	0.625	34.5	0.371	57.5		0.425	25.5	0.614	60.7	
							2.3					2.1
	5	55.2	0.5	23.1	0.242	55.2		0.286	23.1	0.49	58.6	
							1.8					2.0
	4	45.0	0.375	14.5	0.144	53.3		0.176	21.4	0.371	56.6	
							1.4					1.9
	3	34.8	0.25	8.4	0.075	52.0		0.093	20.1	0.258	54.7	
							1.0					1.8
	2	24.6	0.125	4.3	0.028	51.0		0.035	19.3	0.149	52.9	
							0.6					2.5
	1	14.4	0.0	1.8	0.0	50.4		0.0	18.8	0.0	50.4	

ΔL^*_{0a}=10.2 (i=1,2,...,8)

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

egq71−7n