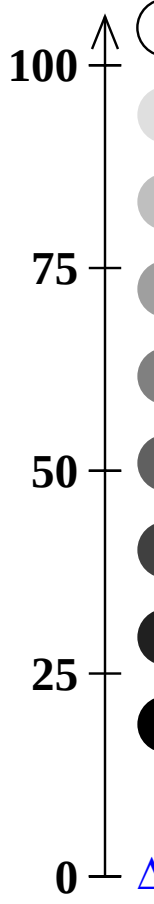
9stufige Grauskalierung zwischen L^*_{0aN}=20.0 und L^*_{0aW}=103.0, Y_{0ref}=1.8, Normierung Weiß *W*

L^*_{0aN}=20.0, L^*_{0aU}=61.5, L^*_{0aW}=103.0, Y_{0aN}=3.0, Y_{0aU}=29.8, Y_{0aW}=108.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=36.0

L^*_{taN}=25.9, L^*_{taU}=62.6, L^*_{taW}=103.0, Y_{taN}=4.7, Y_{taU}=31.1, Y_{taW}=108.0, $C_{taY}=Y_{taW}:Y_{taN}$=22.9

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

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



L^*_{CIELAB}		g^*_5= 100, g^*_9= 99 angestrebte Ausgabe				g^*_5= 85, g^*_9= 80 reale Ausgabe					g^*_5= 98, g^*_9= 98 linearisierte Ausgabe	
	n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1/1.07}$	L*la	ΔL*la
	9	103.0	1.0	108.0	1.0	103.0		1.0	108.0	1.0	103.0	
							10.2					9.5
	8	92.6	0.875	82.1	0.754	92.8		0.868	82.6	0.876	93.5	
							10.1					9.6
	7	82.3	0.75	60.8	0.55	82.7		0.736	61.6	0.752	83.9	
							10.1					9.6
	6	71.9	0.625	43.5	0.386	72.6		0.605	44.6	0.626	74.2	
							10.0					9.7
	5	61.5	0.5	29.8	0.256	62.6		0.476	31.1	0.501	64.5	
							9.8					9.7
	4	51.2	0.375	19.4	0.156	52.8		0.348	20.8	0.374	54.8	
							9.6					9.7
	3	40.8	0.25	11.7	0.083	43.2		0.224	13.3	0.248	45.1	
							9.1					9.6
	2	30.4	0.125	6.4	0.032	34.1		0.106	8.1	0.124	35.5	
							8.2					9.5
	1	20.0	0.0	3.0	0.0	25.9		0.0	4.7	0.0	25.9	

ΔL^*_{0a}=10.4 (i=1,2,...,8)

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