

9stufige Grauskalierung zwischen $L^*_{0aN}=3.6$ und $L^*_{0aW}=95.9$, $Y_{0ref}=0.9$, Normierung Weiß W

$L^*_{0aN}=3.6$, $L^*_{0aU}=49.8$, $L^*_{0aW}=96.0$, $Y_{0aN}=0.4$, $Y_{0aU}=18.2$, $Y_{0aW}=90.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=225.0$
 $L^*_{taN}=11.2$, $L^*_{taU}=50.6$, $L^*_{taW}=96.0$, $Y_{taN}=1.3$, $Y_{taU}=19.0$, $Y_{taW}=90.0$, $C_{taY}=Y_{taW}:Y_{taN}=69.9$

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

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

$g^*_5 = 99$, $g^*_9 = 99$

$g^*_5 = 78$, $g^*_9 = 70$

$g^*_5 = 95$, $g^*_9 = 93$

$L^*_{CIE LAB}$	n0. i	angestrebte Ausgabe				reale Ausgabe					linearisierte Ausgabe	
		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.11}$	L^*_{la}	ΔL^*_{la}
100	○ 9	96.0	1.0	90.0	1.0	96.0		1.0	90.0	1.0	96.0	
							11.4					10.4
	● 8	84.4	0.875	64.9	0.72	84.6		0.865	65.2	0.878	85.6	
							11.4					10.5
75	● 7	72.9	0.75	45.0	0.498	73.2		0.731	45.4	0.754	75.1	
							11.3					10.6
	● 6	61.3	0.625	29.6	0.326	61.9		0.598	30.2	0.629	64.5	
							11.2					10.8
50	● 5	49.8	0.5	18.2	0.199	50.6		0.465	19.0	0.502	53.7	
							11.0					10.9
	● 4	38.2	0.375	10.2	0.11	39.6		0.335	11.0	0.373	42.9	
							10.6					10.9
25	● 3	26.7	0.25	5.0	0.051	29.0		0.21	5.8	0.245	32.0	
							9.7					10.6
	● 2	15.2	0.125	1.9	0.017	19.3		0.095	2.8	0.12	21.4	
							8.1					10.2
0	● 1	3.6	0.0	0.4	0.0	11.2		0.0	1.3	0.0	11.2	

$\Delta L^*_{0a} = 11.5$ (i=1,2,...,8)

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