

9stufige Grauskalierung zwischen $L^*_{0aN}=23$ & $L^*_{0aW}=100.0$, $Y_{0ref}=1$, Normierung Weiß W

$L^*_{0aN}=23.7$, $L^*_{0aU}=61.8$, $L^*_{0aW}=100.0$, $Y_{0aN}=4.0$, $Y_{0aU}=30.2$, $Y_{0aW}=100.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=25.0$
 $L^*_{taN}=26.6$, $L^*_{taU}=62.4$, $L^*_{taW}=100.0$, $Y_{taN}=4.9$, $Y_{taU}=30.9$, $Y_{taW}=100.0$, $C_{taY}=Y_{taW}:Y_{taN}=20.2$

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

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{CIELAB,W} = 116 [Y/Y_n]^{1/3} - 16$ mit $Y \geq 0,882$, $Y_n=100$
 $g^*_5 = 99$, $g^*_9 = 99$ $g^*_5 = 92$, $g^*_9 = 90$ $g^*_5 = 94$, $g^*_9 = 91$

$L^*_{CIELAB,W}$		angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe		
n0. i		L^*_{0a}	L^*_{0r}	Y_{0a}	Y_{0r}	L^*_{ta}	ΔL^*_{ta}	L^*_{tr}	Y_{ta}	$(L^*_{tr})^{1/1.06}$	L^*_{la}	ΔL^*_{la}
100	○ 9	100.0	1.0	100.0	1.0	100.0		1.0	100.0	1.0	100.0	
	● 8	90.4	0.875	77.3	0.763	90.6	9.4	0.871	77.5	0.879	91.1	8.9
	● 7	80.9	0.75	58.3	0.566	81.1	9.4	0.743	58.7	0.756	82.1	9.0
75	● 6	71.4	0.625	42.7	0.403	71.8	9.4	0.615	43.3	0.633	73.1	9.0
	● 5	61.8	0.5	30.2	0.273	62.4	9.3	0.488	30.9	0.509	64.0	9.1
	● 4	52.3	0.375	20.4	0.171	53.2	9.3	0.362	21.2	0.385	54.8	9.2
50	● 3	42.7	0.25	13.0	0.094	44.0	9.1	0.237	13.8	0.259	45.6	9.2
	● 2	33.2	0.125	7.6	0.038	35.1	8.9	0.116	8.5	0.132	36.3	9.3
	● 1	23.7	0.0	4.0	0.0	26.6	8.5	0.0	4.9	0.0	26.6	9.7
25												
0												

$\Delta L^*_{0a}=9.5$

(i=1,2,...,8)

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