

9stufige Grauskalierung zwischen $L^*_{0aN}=18$ & $L^*_{0aW}=135.1$, $Y_{0ref}=2$, Normierung Weiß W

$L^*_{0aN}=18.3$, $L^*_{0aU}=76.7$, $L^*_{0aW}=135.1$, $Y_{0aN}=2.0$, $Y_{0aU}=54.3$, $Y_{0aW}=200.0$, $C_{0aY}=Y_{0aW}:Y_{0aN}=100.0$
 $L^*_{taN}=24.6$, $L^*_{taU}=77.6$, $L^*_{taW}=135.1$, $Y_{taN}=4.0$, $Y_{taU}=55.7$, $Y_{taW}=200.0$, $C_{taY}=Y_{taW}:Y_{taN}=50.5$

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

$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$, $L^*_{TUBsRGB,W} = 100 [Y/Y_n]^{1/\ln(10)}$ mit $Y \geq 0,39 = 100/255$, $Y_n=100$
 $g^*_5 = 99$, $g^*_9 = 99$ $g^*_5 = 86$, $g^*_9 = 80$ $g^*_5 = 77$, $g^*_9 = 72$

L*TUBsRGB,W angestrebte Ausgabe					reale Ausgabe					linearisierte Ausgabe	
n0. i	L*0a	L*0r	Y0a	Y0r	L*ta	ΔL^*_{ta}	L*tr	Yta	$(L^*_{tr})^{1/1.2}$	L*la	ΔL^*_{la}
 9	135.1	1.0	200.0	1.0	135.1		1.0	200.0	1.0	135.1	
 8	120.5	0.875	153.7	0.766	120.7	14.4	0.869	154.1	0.89	122.9	12.2
 7	105.9	0.75	114.1	0.566	106.2	14.4	0.739	115.0	0.777	110.5	12.5
 6	91.3	0.625	81.1	0.399	91.9	14.4	0.609	82.3	0.661	97.6	12.8
 5	76.7	0.5	54.3	0.264	77.6	14.3	0.479	55.7	0.541	84.4	13.2
 4	62.1	0.375	33.4	0.158	63.4	14.2	0.351	35.0	0.418	70.8	13.7
 3	47.5	0.25	18.0	0.081	49.5	13.9	0.225	19.8	0.288	56.5	14.3
 2	32.9	0.125	7.7	0.029	36.2	13.3	0.105	9.6	0.152	41.4	15.0
 1	18.3	0.0	2.0	0.0	24.6	11.6	0.0	4.0	0.0	24.6	16.8

$\Delta L^*_{0a}=14.6$ (i=1,2,...,8) Normierung: $Y_{taiW}=Y_{0aW} \frac{Y_{0ai}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$