

9stufige Grauskalierung zwischen $L^*_{0aN}=29.4$ und $L^*_{0aW}=78.4$, $Y_{0ref}=3.6$, Normierung Weiß W

$L^*_{0aN}=29.4, L^*_{0aU}=53.9, L^*_{0aW}=78.5, Y_{0aN}=6.0, Y_{0aU}=21.9, Y_{0aW}=54.0, C_{0aY}=Y_{0aW}:Y_{0aN}=9.0$

$L^*_{taN}=36.0, L^*_{taU}=56.0, L^*_{taW}=78.5, Y_{taN}=9.0, Y_{taU}=23.9, Y_{taW}=54.0, C_{taY}=Y_{taW}:Y_{taN}=6.0$

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

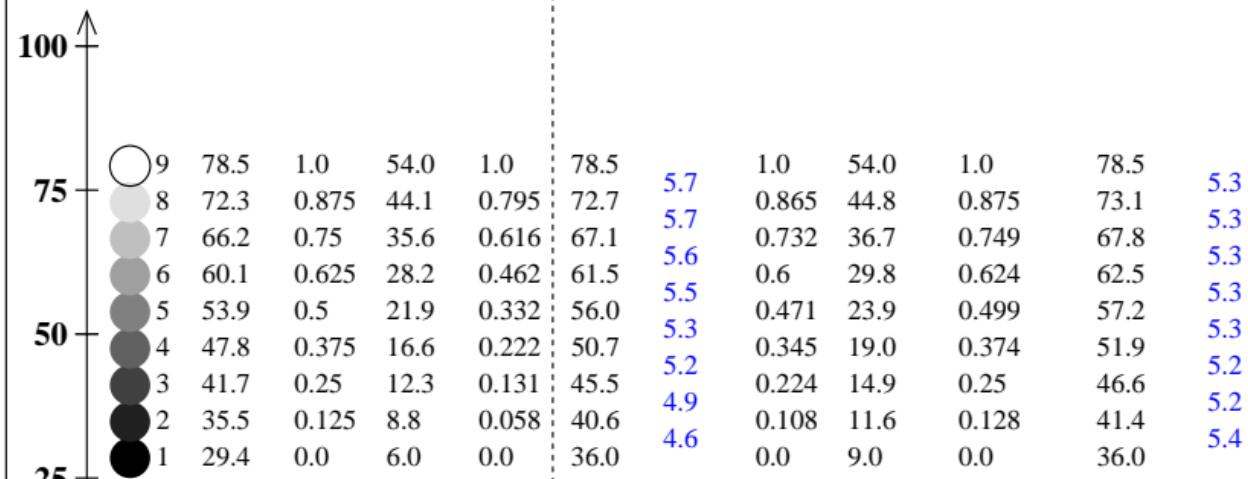
$g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}], L^*_{CIELAB} = 116 [Y/Y_n]^{1/3} - 16 \text{ mit } Y \geq 0.882, Y_n=100$

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

$g^*_5=83, g^*_9=80$

$g^*_5=99, g^*_9=96$

L^*_{CIELAB} n0. i	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe	
	L^*0a	L^*0r	$Y0a$	$Y0r$	L^*ta	ΔL^*ta	L^*tr	Yta	$(L^*tr)^{1/1.08}$	L^*la
9	78.5	1.0	54.0	1.0	78.5	5.7	1.0	54.0	1.0	78.5
8	72.3	0.875	44.1	0.795	72.7	5.7	0.865	44.8	0.875	73.1
7	66.2	0.75	35.6	0.616	67.1	5.6	0.732	36.7	0.749	67.8
6	60.1	0.625	28.2	0.462	61.5	5.5	0.6	29.8	0.624	62.5
5	53.9	0.5	21.9	0.332	56.0	5.3	0.471	23.9	0.499	57.2
4	47.8	0.375	16.6	0.222	50.7	5.2	0.345	19.0	0.374	51.9
3	41.7	0.25	12.3	0.131	45.5	4.9	0.224	14.9	0.25	46.6
2	35.5	0.125	8.8	0.058	40.6	4.6	0.108	11.6	0.128	41.4
1	29.4	0.0	6.0	0.0	36.0	4.6	0.0	9.0	0.0	36.0



$\Delta L^*_{0a}=6.1$

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

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