

Technische Information: <http://farbe.li.tu-berlin.de/eg14/eg14I0n1.txt> / ps

TUB-Registrierung: 2023/0701-eg14/eg14I0n1.txt / ps  
 Anwendung für Beurteilung und Messung von Display- oder Druck-Ausgabe

9stufige Grauskalierung zwischen  $L^*_{0aW}=48.3$  und  $L^*_{0aW}=48.3$ ,  $Y_{0ref}=3.6$ , Normierung Weiß W

$L^*_{0aW}=48.3$ ,  $L^*_{0at}=0.0$ ,  $L^*_{0aW}=48.4$ ,  $Y_{0aW}=2.6$ ,  $Y_{0aW}=18.0$ ,  $Y_{0aW}=126.0$ ,  $C_{0aW}=Y_{0aW}$ ;  $Y_{0aW}=49.0$   
 $L^*_{taW}=-27.2$ ,  $L^*_{taW}=3.8$ ,  $L^*_{taW}=48.4$ ,  $Y_{taW}=6.0$ ,  $Y_{taW}=21.0$ ,  $Y_{taW}=126.0$ ,  $C_{taW}=Y_{taW}$ ;  $Y_{taW}=21.0$

Reguläritätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen  
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$ ,  $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$  mit  $Y_0=18$   
 $g^*_5 = 100$ ,  $g^*_9 = 100$   $g^*_5 = 56$ ,  $g^*_9 = 49$   $g^*_5 = 97$ ,  $g^*_9 = 89$

L* <sub>TUBJNDI</sub>	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.i	L* <sub>0a</sub>	L* <sub>0r</sub>	Y <sub>0a</sub>	Y <sub>0r</sub>	L* <sub>ta</sub>	$\Delta L^*_{ta}$	L* <sub>tr</sub>	Y <sub>ta</sub>	(L* <sub>tr</sub> ) <sup>1/1.27</sup>	L* <sub>la</sub>	$\Delta L^*_{la}$	L* <sub>la</sub>
50	9	48.4	1.0	126.0	1.0	48.4	11.7	1.0	126.0	1.0	48.4	9.3	48.4
	8	36.3	0.875	77.4	0.607	36.7	0.846	78.8	0.877	39.0	9.5		
	7	24.2	0.75	47.6	0.365	25.3	11.4	0.695	49.8	0.751	29.5	9.6	
	6	12.1	0.625	29.3	0.216	14.3	11.0	0.549	31.9	0.624	19.9	9.6	
0	5	0.0	0.5	18.0	0.125	3.8	9.6	0.411	21.0	0.497	10.3	9.5	
	4	-12.0	0.375	11.1	0.069	-5.7	8.5	0.284	14.2	0.372	0.8	9.2	
	3	-24.1	0.25	6.8	0.034	-14.2	7.2	0.171	10.1	0.25	-8.3	8.9	
	2	-36.2	0.125	4.2	0.013	-21.5	5.8	0.076	7.6	0.132	-17.2	10.0	
-50	1	-48.3	0.0	2.6	0.0	-27.2	0.0	6.0	0.0	0.0	-27.2		

$\Delta L^*_{0a}=12.1$  (i=1,2,...,8) Normierung:  $Y_{taW}=Y_{0aW}$   $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen  $L^*_{0aW}=48.3$  und  $L^*_{0aW}=48.3$ ,  $Y_{0ref}=0.9$ , Normierung Weiß W

$L^*_{0aW}=48.3$ ,  $L^*_{0at}=0.0$ ,  $L^*_{0aW}=48.4$ ,  $Y_{0aW}=2.6$ ,  $Y_{0aW}=18.0$ ,  $Y_{0aW}=126.0$ ,  $C_{0aW}=Y_{0aW}$ ;  $Y_{0aW}=49.0$   
 $L^*_{taW}=-41.0$ ,  $L^*_{taW}=1.0$ ,  $L^*_{taW}=48.4$ ,  $Y_{taW}=3.4$ ,  $Y_{taW}=18.8$ ,  $Y_{taW}=126.0$ ,  $C_{taW}=Y_{taW}$ ;  $Y_{taW}=36.6$

Reguläritätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen  
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$ ,  $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$  mit  $Y_0=18$   
 $g^*_5 = 100$ ,  $g^*_9 = 100$   $g^*_5 = 82$ ,  $g^*_9 = 79$   $g^*_5 = 98$ ,  $g^*_9 = 97$

L* <sub>TUBJNDI</sub>	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.i	L* <sub>0a</sub>	L* <sub>0r</sub>	Y <sub>0a</sub>	Y <sub>0r</sub>	L* <sub>ta</sub>	$\Delta L^*_{ta}$	L* <sub>tr</sub>	Y <sub>ta</sub>	(L* <sub>tr</sub> ) <sup>1/1.08</sup>	L* <sub>la</sub>	$\Delta L^*_{la}$	L* <sub>la</sub>
50	9	48.4	1.0	126.0	1.0	48.4	12.0	1.0	126.0	1.0	48.4	11.1	48.4
	8	36.3	0.875	77.4	0.607	36.4	11.9	0.866	77.8	0.876	37.2	11.2	
	7	24.2	0.75	47.6	0.365	24.5	11.8	0.733	48.2	0.751	26.1	11.2	
	6	12.1	0.625	29.3	0.216	12.7	11.6	0.601	29.9	0.625	14.8	11.3	
0	5	0.0	0.5	18.0	0.125	1.0	11.4	0.471	18.8	0.499	3.6	11.2	
	4	-12.0	0.375	11.1	0.069	-10.2	10.9	0.344	11.9	0.373	-7.6	11.1	
	3	-24.1	0.25	6.8	0.034	-21.2	10.3	0.221	7.6	0.249	-18.7	11.0	
	2	-36.2	0.125	4.2	0.013	-31.5	9.5	0.106	5.0	0.126	-29.7	11.3	
-50	1	-48.3	0.0	2.6	0.0	-41.0	0.0	3.4	0.0	0.0	-41.0		

$\Delta L^*_{0a}=12.1$  (i=1,2,...,8) Normierung:  $Y_{taW}=Y_{0aW}$   $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen  $L^*_{0aW}=48.3$  und  $L^*_{0aW}=48.3$ ,  $Y_{0ref}=1.8$ , Normierung Weiß W

$L^*_{0aW}=48.3$ ,  $L^*_{0at}=0.0$ ,  $L^*_{0aW}=48.4$ ,  $Y_{0aW}=2.6$ ,  $Y_{0aW}=18.0$ ,  $Y_{0aW}=126.0$ ,  $C_{0aW}=Y_{0aW}$ ;  $Y_{0aW}=49.0$   
 $L^*_{taW}=-35.4$ ,  $L^*_{taW}=2.0$ ,  $L^*_{taW}=48.4$ ,  $Y_{taW}=4.3$ ,  $Y_{taW}=19.5$ ,  $Y_{taW}=126.0$ ,  $C_{taW}=Y_{taW}$ ;  $Y_{taW}=29.2$

Reguläritätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen  
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$ ,  $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$  mit  $Y_0=18$   
 $g^*_5 = 100$ ,  $g^*_9 = 100$   $g^*_5 = 71$ ,  $g^*_9 = 65$   $g^*_5 = 98$ ,  $g^*_9 = 94$

L* <sub>TUBJNDI</sub>	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.i	L* <sub>0a</sub>	L* <sub>0r</sub>	Y <sub>0a</sub>	Y <sub>0r</sub>	L* <sub>ta</sub>	$\Delta L^*_{ta}$	L* <sub>tr</sub>	Y <sub>ta</sub>	(L* <sub>tr</sub> ) <sup>1/1.15</sup>	L* <sub>la</sub>	$\Delta L^*_{la}$	L* <sub>la</sub>
50	9	48.4	1.0	126.0	1.0	48.4	11.9	1.0	126.0	1.0	48.4	10.4	48.4
	8	36.3	0.875	77.4	0.607	36.5	11.7	0.858	78.1	0.876	38.0	10.5	
	7	24.2	0.75	47.6	0.365	24.7	11.5	0.718	48.7	0.751	27.5	10.6	
	6	12.1	0.625	29.3	0.216	13.2	11.2	0.581	30.6	0.625	16.9	10.6	
0	5	0.0	0.5	18.0	0.125	2.0	10.7	0.447	19.5	0.499	6.3	10.5	
	4	-12.0	0.375	11.1	0.069	-8.6	10.0	0.32	12.7	0.373	-4.2	10.4	
	3	-24.1	0.25	6.8	0.034	-18.6	9.0	0.2	8.5	0.249	-14.5	10.1	
	2	-36.2	0.125	4.2	0.013	-27.6	7.8	0.093	5.9	0.128	-24.7	10.7	
-50	1	-48.3	0.0	2.6	0.0	-35.4	0.0	4.3	0.0	0.0	-35.4		

$\Delta L^*_{0a}=12.1$  (i=1,2,...,8) Normierung:  $Y_{taW}=Y_{0aW}$   $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$

9stufige Grauskalierung zwischen  $L^*_{0aW}=48.3$  und  $L^*_{0aW}=48.3$ ,  $Y_{0ref}=126.0$ , Normierung Weiß W

$L^*_{0aW}=48.3$ ,  $L^*_{0at}=0.0$ ,  $L^*_{0aW}=48.4$ ,  $Y_{0aW}=2.6$ ,  $Y_{0aW}=18.0$ ,  $Y_{0aW}=126.0$ ,  $C_{0aW}=Y_{0aW}$ ;  $Y_{0aW}=49.0$   
 $L^*_{taW}=-31.6$ ,  $L^*_{taW}=34.4$ ,  $L^*_{taW}=48.4$ ,  $Y_{taW}=64.3$ ,  $Y_{taW}=72.0$ ,  $Y_{taW}=126.0$ ,  $C_{taW}=Y_{taW}$ ;  $Y_{taW}=2.0$

Reguläritätsindex nach ISO/IEC 15775:2022, Anhang G für 5 und 9 Stufen  
 $g^* = 100 [\Delta L^*_{min}] / [\Delta L^*_{max}]$ ,  $L^*_{TUBJNDI} = 40 / \log(5) [\log (Y/Ya)]$  mit  $Y_0=18$   
 $g^*_5 = 100$ ,  $g^*_9 = 100$   $g^*_5 = 8$ ,  $g^*_9 = 5$   $g^*_5 = 67$ ,  $g^*_9 = 49$

L* <sub>TUBJNDI</sub>	angestrebte Ausgabe				reale Ausgabe				linearisierte Ausgabe				
	n0.i	L* <sub>0a</sub>	L* <sub>0r</sub>	Y <sub>0a</sub>	Y <sub>0r</sub>	L* <sub>ta</sub>	$\Delta L^*_{ta}$	L* <sub>tr</sub>	Y <sub>ta</sub>	(L* <sub>tr</sub> ) <sup>1/2.39</sup>	L* <sub>la</sub>	$\Delta L^*_{la}$	L* <sub>la</sub>
50	9	48.4	1.0	126.0	1.0	48.4	1.0	1.0	126.0	1.0	48.4	2.5	48.4
	8	36.3	0.875	77.4	0.607	43.0	3.9	0.682	101.7	0.852	45.9	2.3	
	7	24.2	0.75	47.6	0.365	39.1	2.8	0.446	86.8	0.713	43.6	2.1	
	6	12.1	0.625	29.3	0.216	36.3	1.9	0.28	77.6	0.587	41.5	1.9	
0	5	0.0	0.5	18.0	0.125	34.4	1.2	0.168	72.0	0.474	39.6	1.7	
	4	-12.0	0.375	11.1	0.069	33.2	0.8	0.095	68.5	0.373	37.9	1.5	
	3	-24.1	0.25	6.8	0.034	32.4	0.5	0.048	66.4	0.281	36.3	1.5	
	2	-36.2	0.125	4.2	0.013	31.9	0.3	0.018	65.1	0.188	34.8	3.1	
-50	1	-48.3	0.0	2.6	0.0	31.6	0.0	64.3	0.0	64.3	0.0	31.6	

$\Delta L^*_{0a}=12.1$  (i=1,2,...,8) Normierung:  $Y_{taW}=Y_{0aW}$   $\frac{Y_{0at}+Y_{0ref}}{Y_{0aW}+Y_{0ref}}$