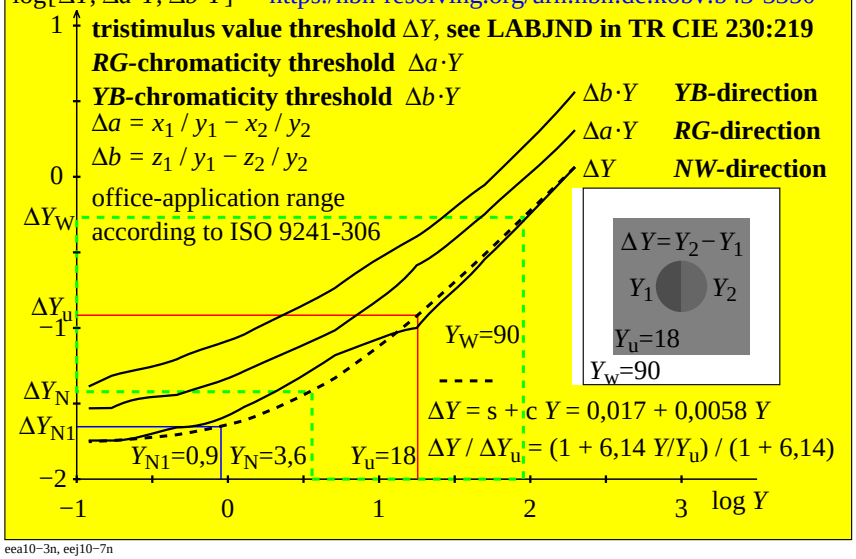
see similar files of the whole serie: http://farbe.li.tu-berlin.de/eeas.htm
technical information: http://farbe.li.tu-berlin.de or http://color.li.tu-berlin.de

TUB registration: 20230701-eea1/eea1l0np.pdf /.ps
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

NW-achromatic, and *RG*- and *YB*-chromatic thresholds as function of *Y*

experiments and data: BAM-research report no. 115 (1985), page 72, see
log[ΔY, Δa·Y, Δb·Y] https:/nbn-resolving.org/urn:nbn:de:kobv:b43-3350

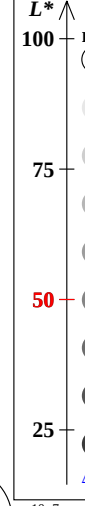


eea10−3n, eej10−7n

Equal 9 step grey scaling between L^*_{0aN}=22.3 and L^*_{0aW}=96.0, Y_{0ref}=90.0, normalisation: grey *U*

L^*_{0aN}=22.3, L^*_{0aU}=59.1, L^*_{0aW}=96.0, Y_{0aN}=3.6, Y_{0aU}=27.2, Y_{0aW}=90.0, $C_{0aY}=Y_{0aW}:Y_{0aN}$=25.0
L^*_{tN}=53.7, L^*_{taU}=59.1, L^*_{taW}=70.7, Y_{taN}=21.7, Y_{taU}=27.2, Y_{taW}=41.8, $C_{taY}=Y_{taW}:Y_{taN}$=1.9

regularity index according to ISO/IEC 15775:2022, Annex G for 5 and 9 steps
g^* = 100 [ΔL^*_{min}] / [ΔL^*_{max}]

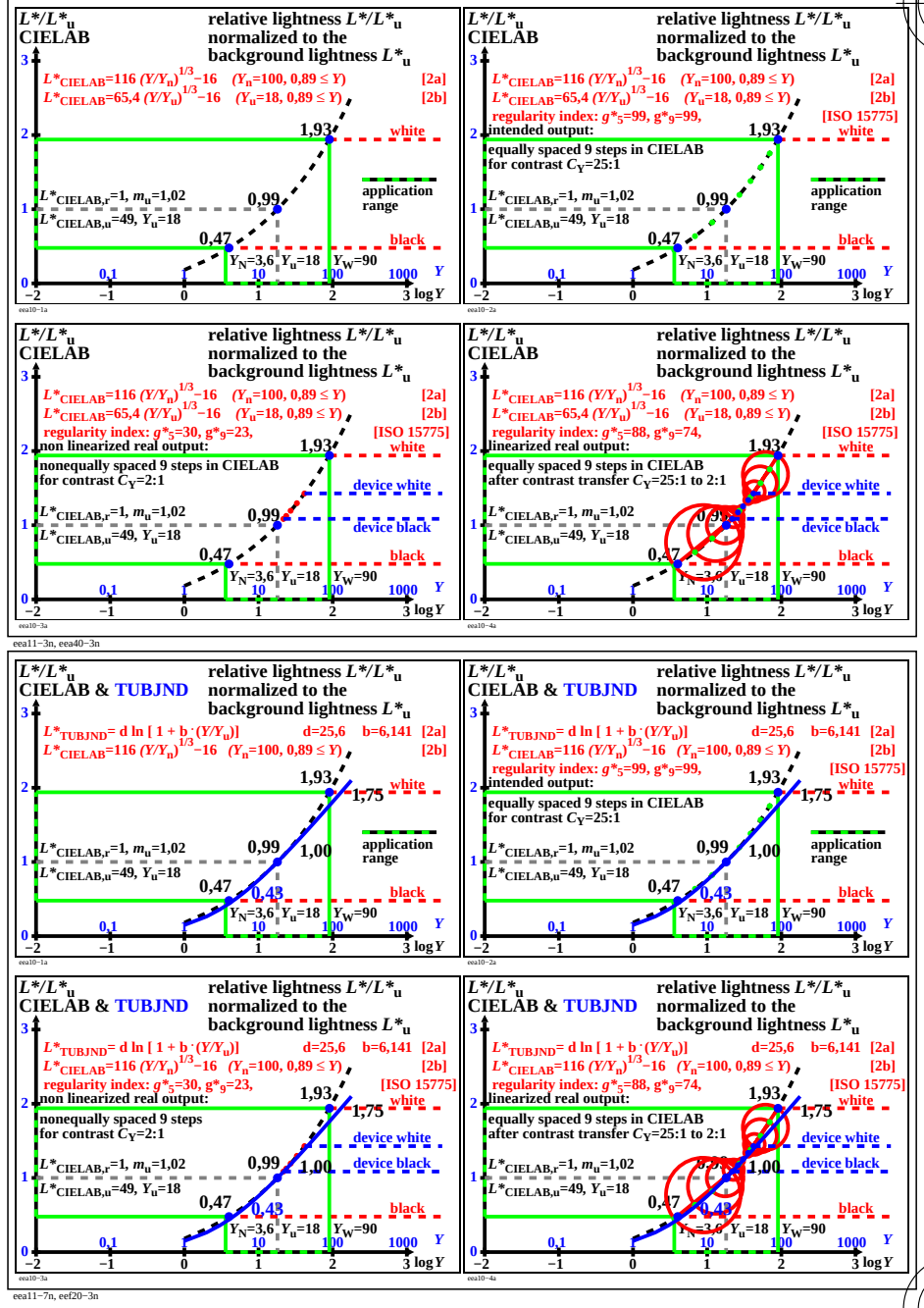


n0. i	g^*_5= 99, g^*_9= 99 intended output L*0a	L*0r	Y0a	Y0r	g^*_5= 30, g^*_9= 23 real output L*ta	ΔL*ta	L*tr	Yta	$(L^*tr)^{1.6}$	g^*_5= 88, g^*_9= 74 linearized output L*la	ΔL*la
9	96.0	1.0	90.0	1.0	70.7		1.0	41.8	1.0	70.7	
						3.4					2.2
8	86.8	0.875	69.6	0.763	67.3		0.799	37.0	0.869	68.5	
						3.1					2.2
7	77.6	0.75	52.5	0.566	64.2		0.617	33.1	0.74	66.3	
						2.7					2.1
6	68.4	0.625	38.5	0.403	61.5		0.457	29.8	0.613	64.1	
						2.3					2.1
5	59.1	0.5	27.2	0.273	59.1		0.319	27.2	0.49	62.0	
						1.9					2.0
4	49.9	0.375	18.4	0.171	57.2		0.205	25.1	0.372	60.0	
						1.5					1.9
3	40.7	0.25	11.7	0.094	55.7		0.115	23.6	0.259	58.1	
						1.1					1.9
2	31.5	0.125	6.9	0.038	54.5		0.047	22.5	0.148	56.2	
						0.8					2.5
1	22.3	0.0	3.6	0.0	53.7		0.0	21.7	0.0	53.7	

ΔL^*_{ta}=9.2 (i=1,2,...,9)

normalisation: $Y_{taiU}=Y_{0aU}\frac{Y_{0ai}+Y_{0ref}}{Y_{0aU}+Y_{0ref}}$

eea10−7n, eef10−7n



eea11−3n, eea40−3n

eea11−7n, eef20−3n