Offs data *rgb*, XYZxy,* and *LabCh*$_{ab}$ in the CIELAB-colour space

Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6

	*rgb**	CIEXYZ data X_n	Y_n	Z_n	x_n	y_n	*LabCh*$_{ab}$ data L^*_n	a^*_n	b^*_n	C^*_{abn}	h_{abn}
X_n	1 0 0	29,01	16,24	4,26	0,585	0,328	47,28	63,84	41,22	76,00	32
Y_n	1 1 0	63,74	72,69	8,27	0,440	0,502	88,29	−11,92	95,13	95,87	97
G_n	0 1 0	8,53	20,94	9,58	0,223	0,525	51,89	−68,78	28,10	74,31	157
C_n	0 1 1	18,74	26,27	69,01	0,164	0,230	58,29	−29,21	−43,79	52,57	236
B_n	0 0 1	6,22	4,51	22,05	0,186	0,135	25,29	23,51	−47,30	52,82	296
M_n	1 0 1	32,46	16,95	22,04	0,448	0,233	48,19	72,77	−8,48	73,27	353
N_n	0 0 0	0,01	0,01	0,01	0,333	0,333	0,09	0,02	0,01	0,02	0
W_n	1 1 1	84,21	88,60	96,48	0,312	0,329	95,41	−0,00	0,00	0,00	0
NL_n	0,00	0,01	0,01	0,01	0,333	0,333	0,09	0,02	0,01	0,02	0
WL_n	1,13	95,05	100,00	108,90	0,312	0,329	100,00	0,00	0,00	0,00	0
ZL_n	0,18	17,11	18,00	19,60	0,312	0,329	49,49	0,00	0,00	0,00	0

$$a^* = 500\,[(X/X_{ni})^{1/3} - (Y/Y_{ni})^{1/3}] \quad [1a]$$
$$b^* = 200\,[(Y/Y_{ni})^{1/3} - (Z/Z_{ni})^{1/3}] \quad [2a]$$
$$C^*_{ab} = [a^{*2} + b^{*2}]^{1/2} \quad [3a]$$
$$h_{ab} = \mathrm{atan}\,[b^*/a^*] \quad [4a]$$

AEN00–2N

Offs data *rgb*, XYZxy,* and *LabCh*$_{ab}$ in the CIELAB-colour space

Tristimulus values of black and white: Y_{Ni}=2,2, Y_{Wi}=79,9, Y_{Za}=18.

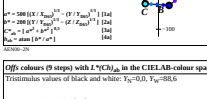
	*rgb**	CIEXYZ data X_n	Y_n	Z_n	x_n	y_n	*LabCh*$_{ab}$ data L^*_n	a^*_n	b^*_n	C^*_{abn}	h_{abn}
X_n	1 0 0	27,54	16,45	6,14	0,585	0,328	47,56	56,88	32,90	65,71	30
Y_n	1 1 0	58,00	65,97	9,65	0,440	0,502	84,98	−11,16	84,91	85,64	97
G_n	0 1 0	9,58	19,79	10,80	0,223	0,525	51,60	−58,68	23,96	63,38	157
C_n	0 1 1	18,03	25,25	62,95	0,164	0,230	57,32	−26,07	−40,10	47,91	237
B_n	0 0 1	7,55	6,16	22,27	0,186	0,135	29,82	17,48	−38,82	42,58	294
M_n	1 0 1	30,57	17,07	22,61	0,448	0,233	48,35	65,16	−7,47	65,39	353
N_n	0 0 0	2,11	2,21	2,41	0,333	0,333	16,59	0,09	0,03	0,09	19
W_n	1 1 1	75,95	79,92	87,05	0,312	0,329	91,65	−0,03	−0,00	0,03	0
NL_n	0,00	2,11	2,21	2,41	0,333	0,333	16,59	0,09	0,03	0,09	19
WL_n	1,13	85,49	90,00	97,94	0,312	0,329	95,06	−0,03	−0,00	0,03	0
ZL_n	0,18	17,10	18,00	19,60	0,312	0,329	49,49	0,00	0,00	0,00	0

$$a^* = 500\,[(X/X_{ni})^{1/3} - (Y/Y_{ni})^{1/3}] \quad [1a]$$
$$b^* = 200\,[(Y/Y_{ni})^{1/3} - (Z/Z_{ni})^{1/3}] \quad [2a]$$
$$C^*_{ab} = [a^{*2} + b^{*2}]^{1/2} \quad [3a]$$
$$h_{ab} = \mathrm{atan}\,[b^*/a^*] \quad [4a]$$

AEN01–2N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

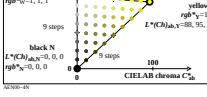
Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6



AEN00–3N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

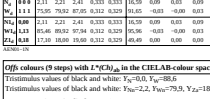
Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6



AEN00–4N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

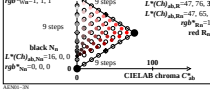
Tristimulus values of black and white: Y_{Ni}=2,2, Y_{Wi}=79,9, Y_{Za}=18.



AEN00–2N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

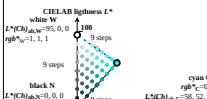
Tristimulus values of black and white: Y_{Ni}=2,2, Y_{Wi}=79,9, Y_{Za}=18.



AEN01–4N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

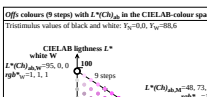
Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6



AEN00–5N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

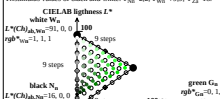
Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6



AEN00–6N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

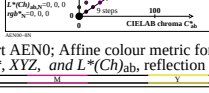
Tristimulus values of black and white: Y_{Ni}=2,2, Y_{Wi}=79,9, Y_{Za}=18.



AEN01–5N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

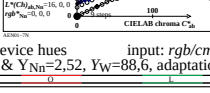
Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6



AEN00–7N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

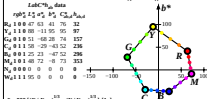
Tristimulus values of black and white: Y_{Ni}=2,2, Y_{Wi}=79,9, Y_{Za}=18.



AEN01–7N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

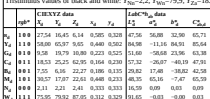
Tristimulus values of black and white: Y_{Ni}=0, Y_{Wi}=88,6



AEN00–8N

Offs colours (9 steps) with $L^*(Ch)_{ab}$ in the CIELAB-colour space

Tristimulus values of black and white: Y_{Ni}=2,2, Y_{Wi}=79,9, Y_{Za}=18.



AEN01–8N

see similar files: http://farbe.li.tu-berlin.de/AEN0/AEN0.HTM
technical information: http://farbe.li.tu-berlin.de or http://130.149.60.45/~farbmetrik

TUB registration: 20201101-AEN0/AEN0L0N1.TXT /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

TUB-test chart AEN0; Affine colour metric for six device hues input: *rgb/cmy0 (No 1MR)*
Offs data *rgb*, XYZ,* and *L*(Ch)*$_{ab}$, reflection Y_N=0 & Y_{NN}=2,52, Y_W=88,6, adaptation Y_{Za}=18.