see similar files: http://farbe.li.tu-berlin.de/AEJ0/AEJ0.HTM
technical information: http://farbe.li.tu-berlin.de or http://130.149.60.45/~farbmetrik

TUB registration: 20201101-AEJ0/AEJ0L0NP.PDF /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

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

Tristimulus values of black and white: Y_N=0,0, Y_W=88,6

	*rgb**	CIEXYZ data X_d	Y_d	Z_d	x_d	y_d	*LabC*h*$_{ab}$ data L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
R_d	1 0 0	29,01	16,24	4,26	0,585	0,328	47,28	63,84	41,22	76,00	**32**
Y_d	1 1 0	63,74	72,69	8,27	0,440	0,502	88,29	−11,92	95,13	95,87	**97**
G_d	0 1 0	8,53	20,04	9,58	0,223	0,525	51,89	−68,78	28,10	74,31	**157**
C_d	0 1 1	18,74	26,27	69,01	0,164	0,230	58,29	−29,21	−43,70	52,57	**236**
B_d	0 0 1	6,22	4,51	22,65	0,186	0,135	25,29	23,51	−47,30	52,82	**296**
M_d	1 0 1	32,46	16,95	23,04	0,448	0,233	48,19	72,77	−8,48	73,27	**353**
N_d	0 0 0	0,01	0,01	0,01	0,333	0,333	0,09	0,02	0,01	0,02	**0**
W_d	1 1 1	84,21	88,60	96,48	0,312	0,329	95,41	−0,00	0,00	0,00	**0**
$N1_d$	**0,00**	0,01	0,01	0,01	0,333	0,333	0,09	0,02	0,01	0,02	**0**
$W1_d$	**1,13**	95,05	100,00	108,90	0,312	0,329	100,00	0,00	0,00	0,00	**0**
$Z1_d$	**0,18**	17,11	18,00	19,60	0,312	0,329	49,49	0,00	0,00	0,00	**0**

AEJ00−1N

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

Tristimulus values of black and white: Y_N=0,0, Y_W=88,6

*LabC*h*$_{ab}$ data

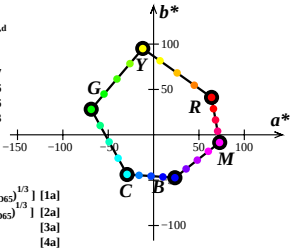
	*rgb**	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
R_d	1 0 0	47	63	41	76	**32**
Y_d	1 1 0	88	−11	95	95	**97**
G_d	0 1 0	51	−68	28	74	**157**
C_d	0 1 1	58	−29	−43	52	**236**
B_d	0 0 1	25	23	−47	52	**296**
M_d	1 0 1	48	72	−8	73	**353**
N_d	0 0 0	0	0	0	0	**0**
W_d	1 1 1	95	0	0	0	**0**

$a^* = 500\,[(X / X_{D65})^{1/3} - (Y / Y_{D65})^{1/3}]$ **[1a]**

$b^* = 200\,[(Y / Y_{D65})^{1/3} - (Z / Z_{D65})^{1/3}]$ **[2a]**

$C^*_{ab} = [\,a^{*2} + b^{*2}\,]^{0,5}$ **[3a]**

$h_{ab} = \mathrm{atan}\,[\,b^* / a^*\,]$ **[4a]**



AEJ00−2N

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

Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.

	*rgb**	CIEXYZ data X_d	Y_d	Z_d	x_d	y_d	*LabC*h*$_{ab}$ data L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
R_d	1 0 0	30,58	18,29	6,87	0,585	0,328	49,85	58,76	33,89	67,83	**29**
Y_d	1 1 0	64,32	73,14	10,77	0,440	0,502	88,51	−11,52	87,69	88,44	**97**
G_d	0 1 0	10,68	21,99	12,04	0,223	0,525	54,02	−60,51	24,72	65,36	**157**
C_d	0 1 1	20,60	28,04	69,79	0,164	0,230	59,92	−26,90	−41,53	49,48	**237**
B_d	0 0 1	8,44	6,90	24,74	0,186	0,135	31,58	17,99	−40,00	43,86	**294**
M_d	1 0 1	33,93	18,98	25,12	0,448	0,233	50,67	67,32	−7,71	67,76	**353**
N_d	0 0 0	2,40	2,52	2,74	0,333	0,333	18,05	0,10	0,03	0,11	**19**
W_d	1 1 1	84,21	88,60	96,48	0,312	0,329	95,41	−0,00	0,00	0,00	**0**
$N1_d$	**0,00**	2,40	2,52	2,74	0,333	0,333	18,05	0,10	0,03	0,11	**19**
$W1_d$	**1,13**	94,74	99,67	108,54	0,312	0,329	99,87	−0,00	−0,00	0,00	**0**
$Z1_d$	**0,18**	19,02	20,00	21,78	0,312	0,329	51,84	0,02	0,00	0,02	**0**

AEJ01−1N

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

Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.

*LabC*h*$_{ab}$ data

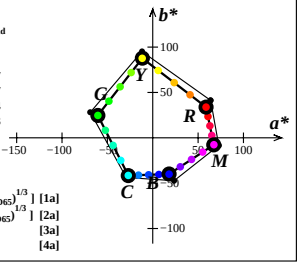
	*rgb**	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$
R_d	1 0 0	49	58	33	67	**29**
Y_d	1 1 0	88	−11	87	88	**97**
G_d	0 1 0	54	−60	24	65	**157**
C_d	0 1 1	59	−26	−41	49	**237**
B_d	0 0 1	31	17	−40	43	**294**
M_d	1 0 1	50	67	−7	67	**353**
N_d	0 0 0	18	0	0	0	**19**
W_d	1 1 1	95	0	0	0	**0**

$a^* = 500\,[(X / X_{D65})^{1/3} - (Y / Y_{D65})^{1/3}]$ **[1a]**

$b^* = 200\,[(Y / Y_{D65})^{1/3} - (Z / Z_{D65})^{1/3}]$ **[2a]**

$C^*_{ab} = [\,a^{*2} + b^{*2}\,]^{0,5}$ **[3a]**

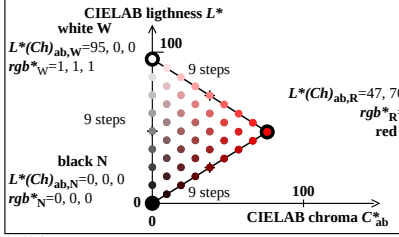
$h_{ab} = \mathrm{atan}\,[\,b^* / a^*\,]$ **[4a]**



AEJ01−2N

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

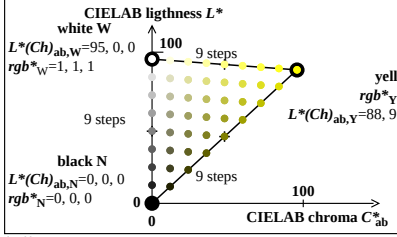
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6



AEJ00−3N

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

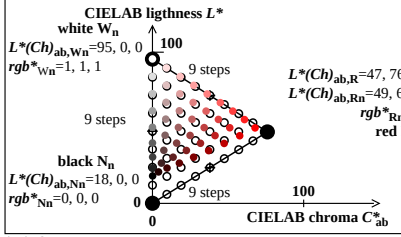
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6



AEJ00−4N

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

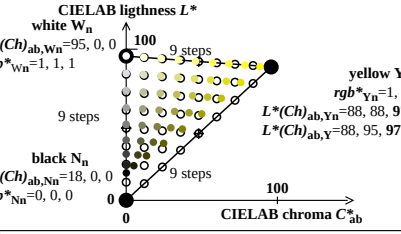
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6
Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.



AEJ01−3N

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

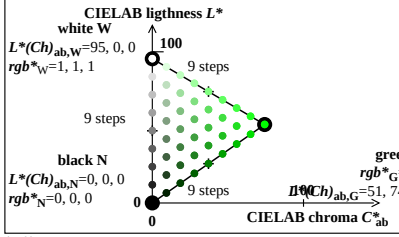
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6
Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.



AEJ01−4N

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

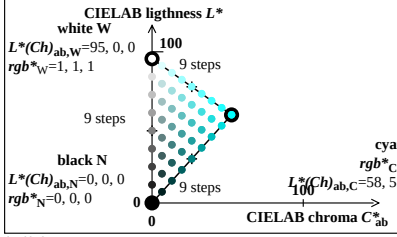
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6



AEJ00−5N

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

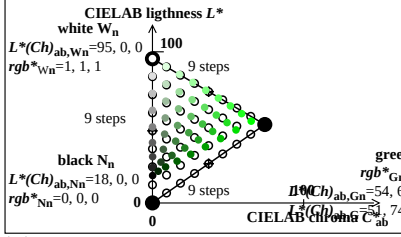
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6



AEJ00−6N

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

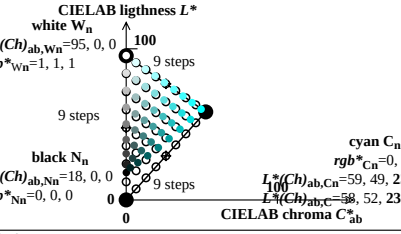
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6
Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.



AEJ01−5N

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

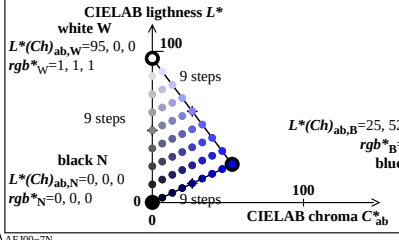
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6
Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.



AEJ01−6N

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

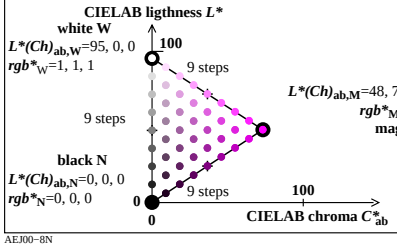
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6



AEJ00−7N

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

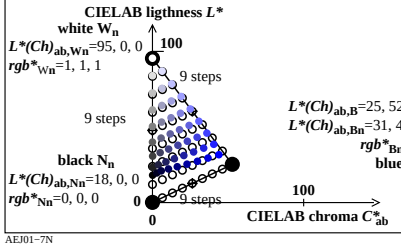
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6



AEJ00−8N

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

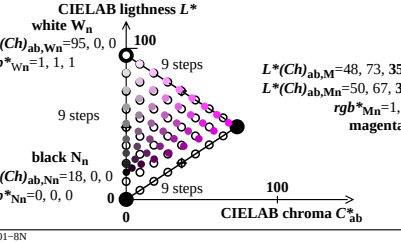
Tristimulus values of black and white: Y_N=0,0, Y_W=88,6
Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.



AEJ01−7N

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

Tristimulus values of black and white: Y_N=0,0, Y_W=88,6
Tristimulus values of black and white: Y_{Nn}=2,5, Y_{Wn}=88,6, Y_{Wa}=88,6.



AEJ01−8N