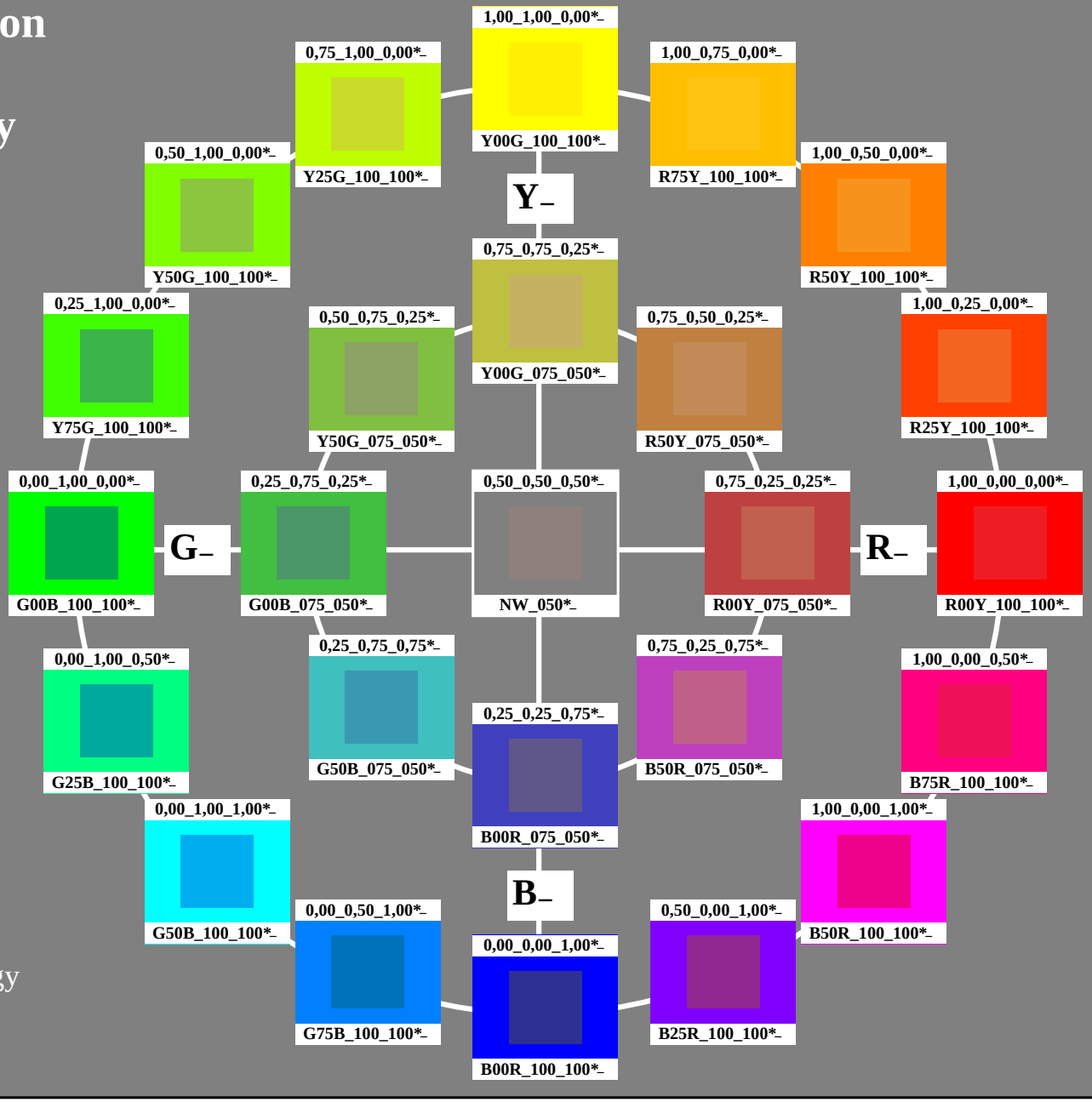
PE78S0L

Colour and Colour Vision Elementary Colours in Information Technology

Author: Prof. Dr. Klaus Richter

25 standard colours for D65
hue circle with 16 and 8 steps
standard display *sRGB*
rgb data: *rgb**$_e$ (top)
elementary hue *H**, brilliance *I**,
chroma *C*: HIC**$_e$ (bottom)



Special print for the exhibition
Colour and Colour Vision
Section Lighting Technology
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Einsteinufer 19, D−10587 Berlin
see: *http://www.li.tu−berlin.de*
and *http://130.149.60.45/~farbmetrik*
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see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
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TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output

TUB material: code=rha4ta

PE7801L

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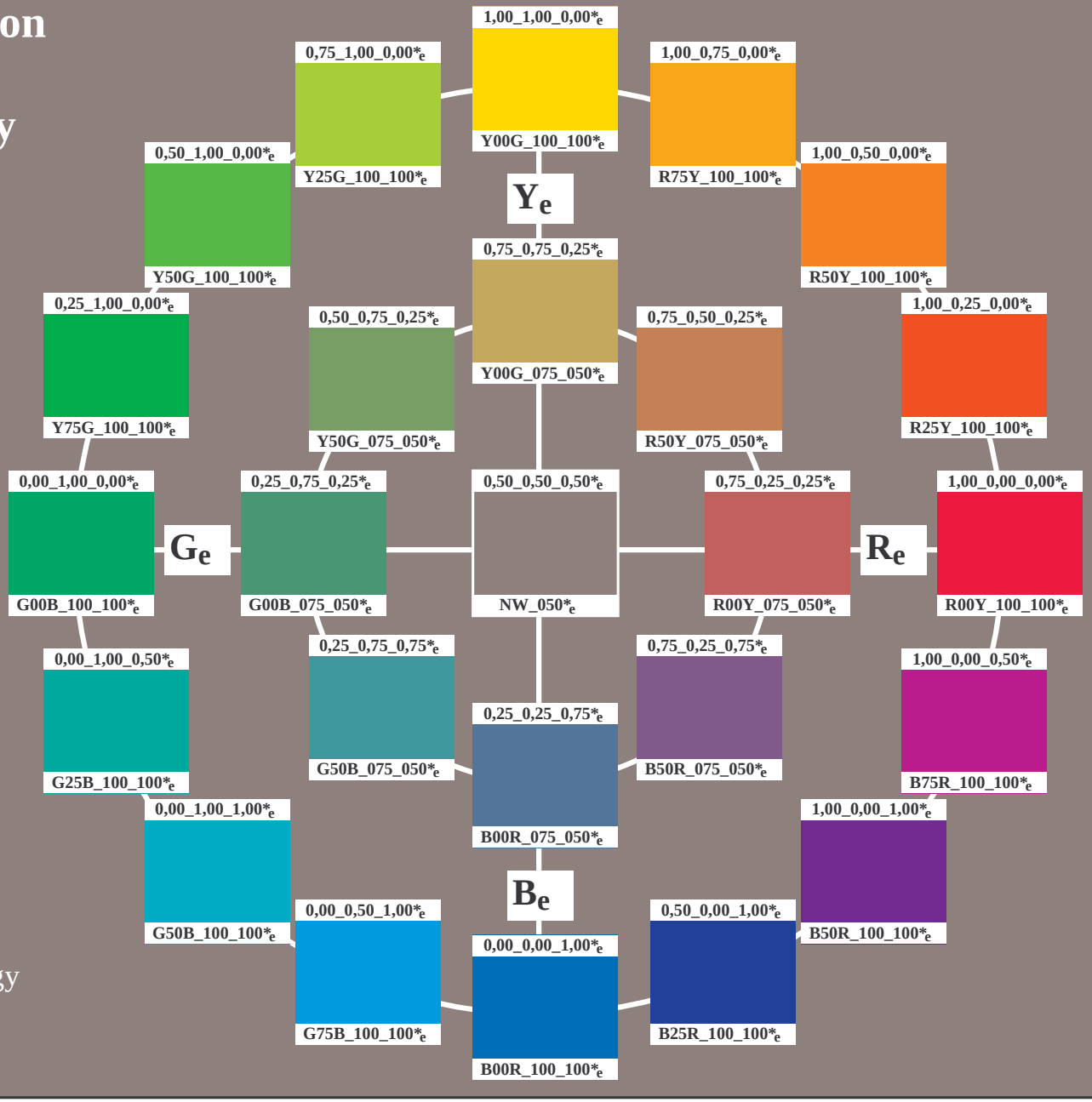

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TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rha4ta

1−013131−L0 PE780−71
PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
25 standard colours for D65, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

1−013131−F0

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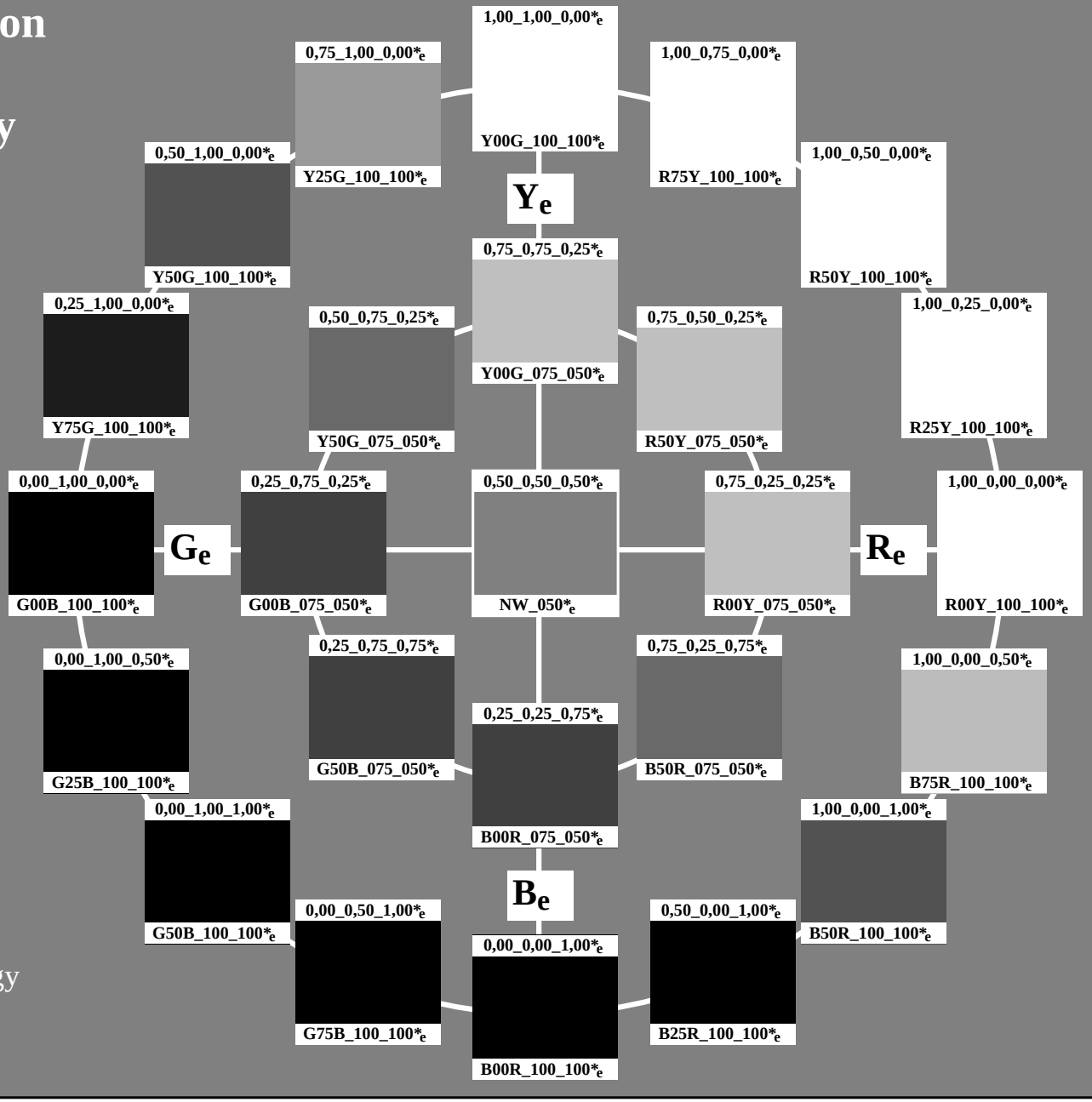

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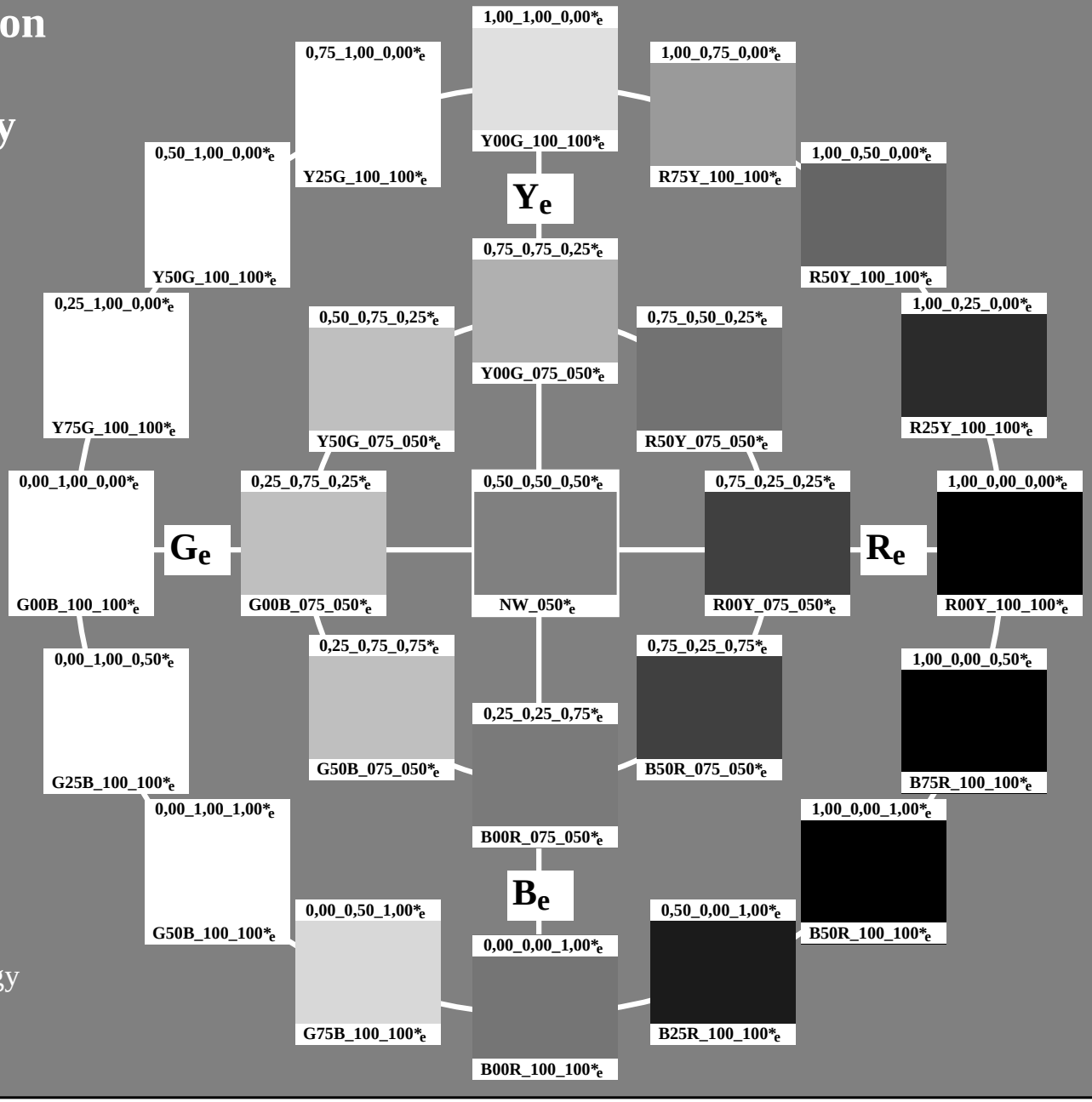

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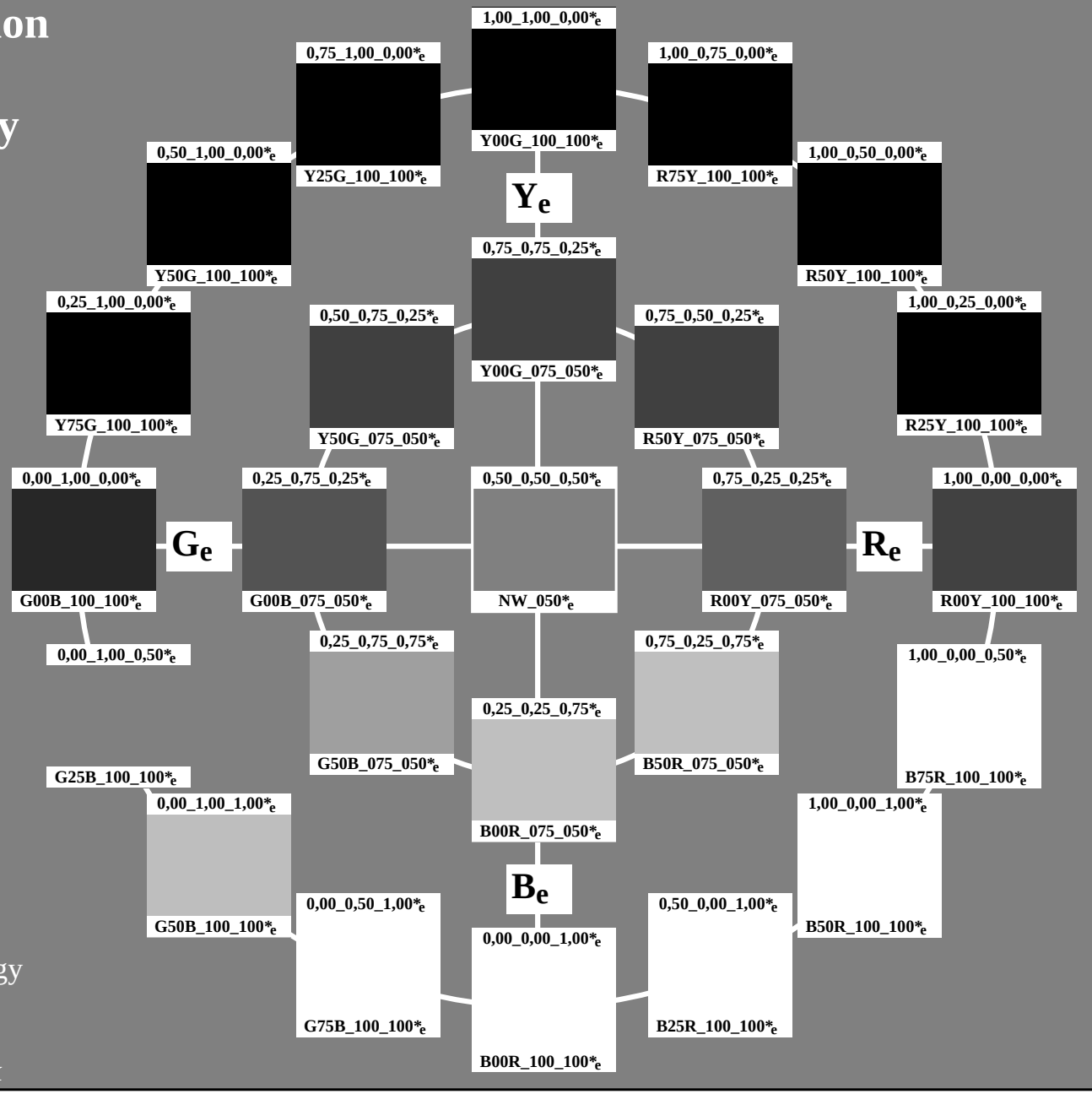

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1-013531-L0 PE780-71

TUB-test chart PE78; hue circle; 16 and 8 steps
25 standard colours for D65, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

1-013531-F0

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Elementary Colours in Information Technology

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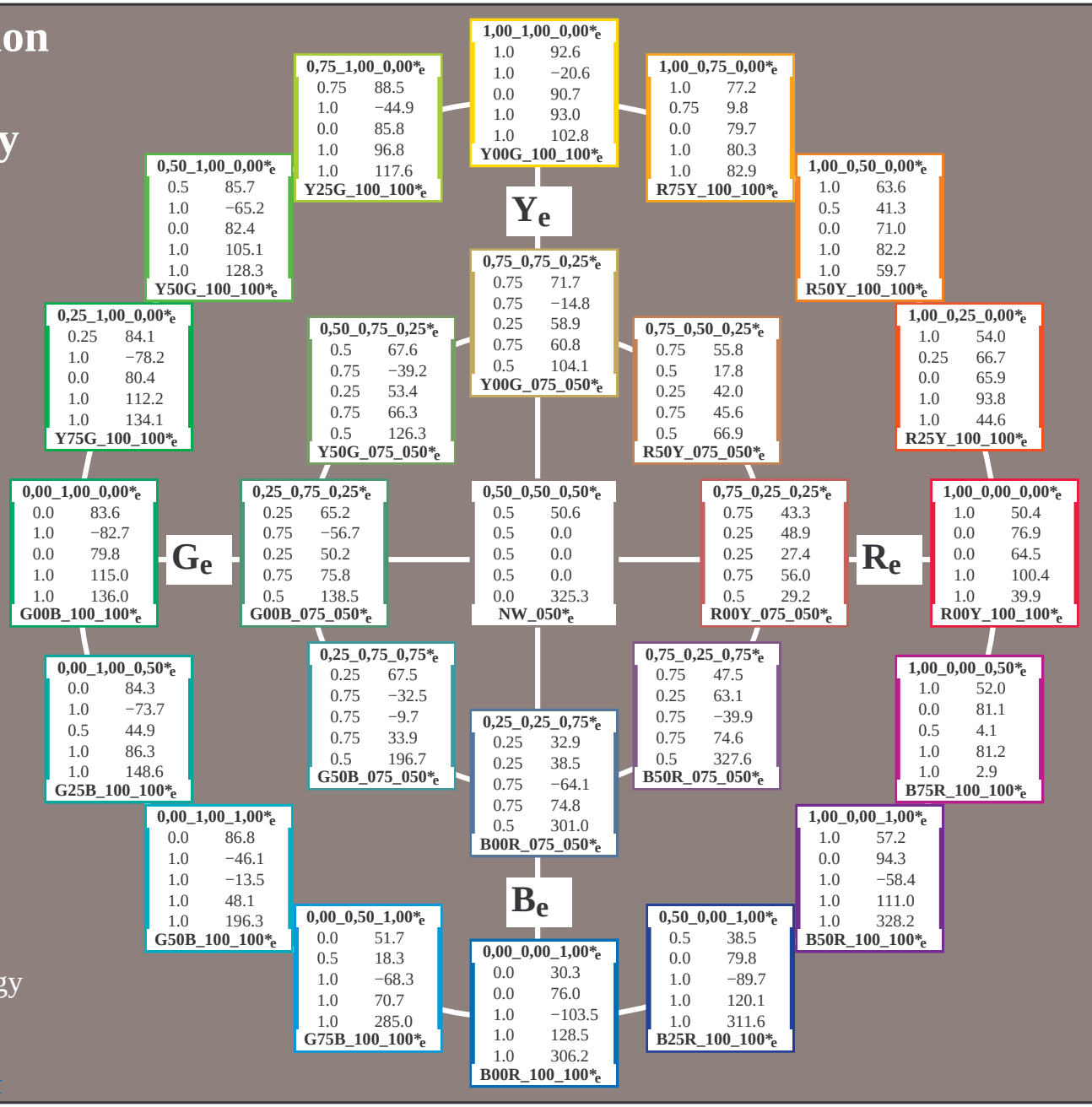
hue circle with 16 and 8 steps
standard display *sRGB*
rgb data: *rgb**$_e$ (top)
elementary hue *H**, brilliance *I**,
chroma *C*: HIC**$_e$ (bottom)
colour code:
***rgbic*$_d$*; LabCh*'*$_d$



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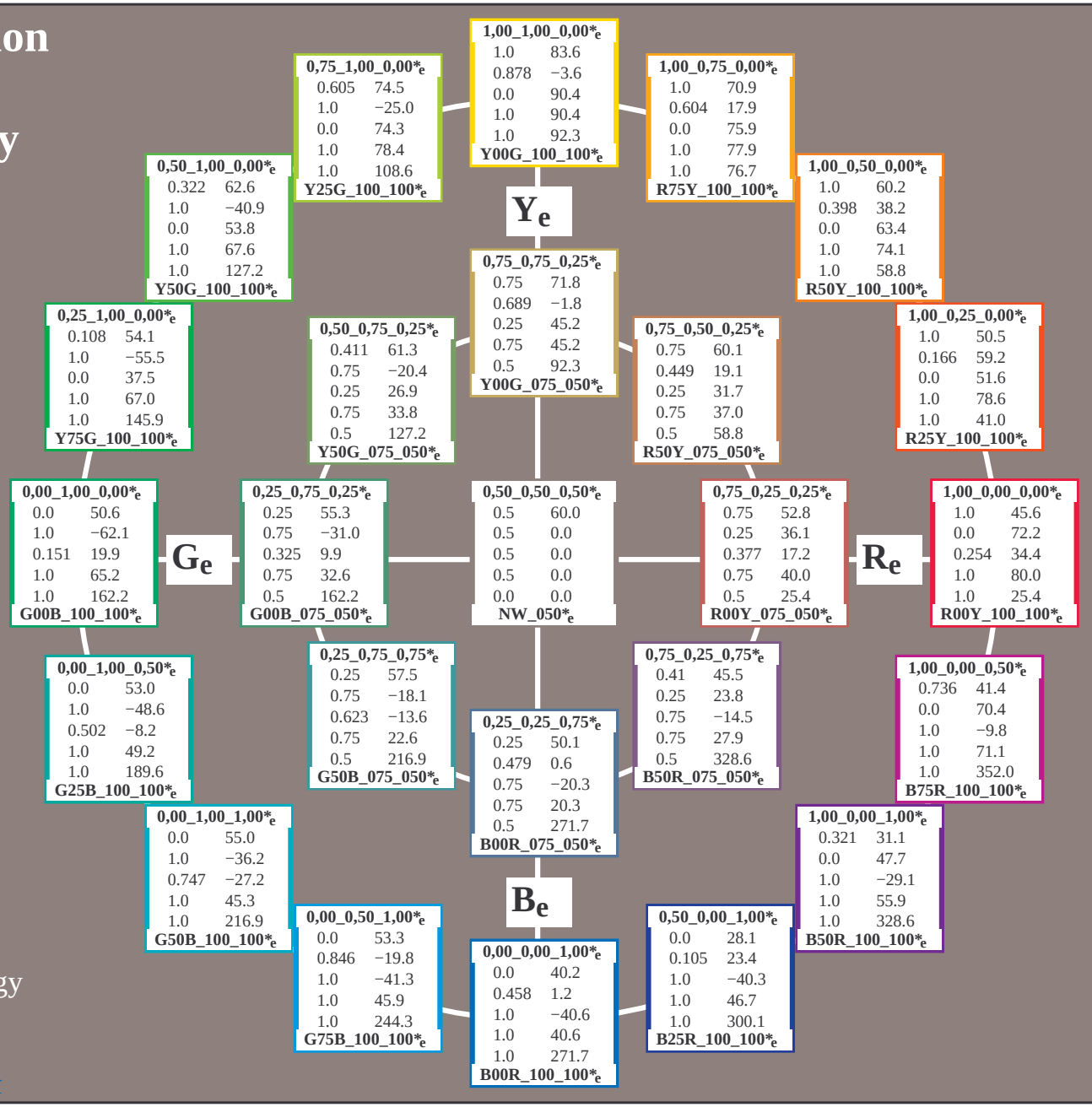
colour code:
***rgbic'**$_e$; *LabCh**$_e$**



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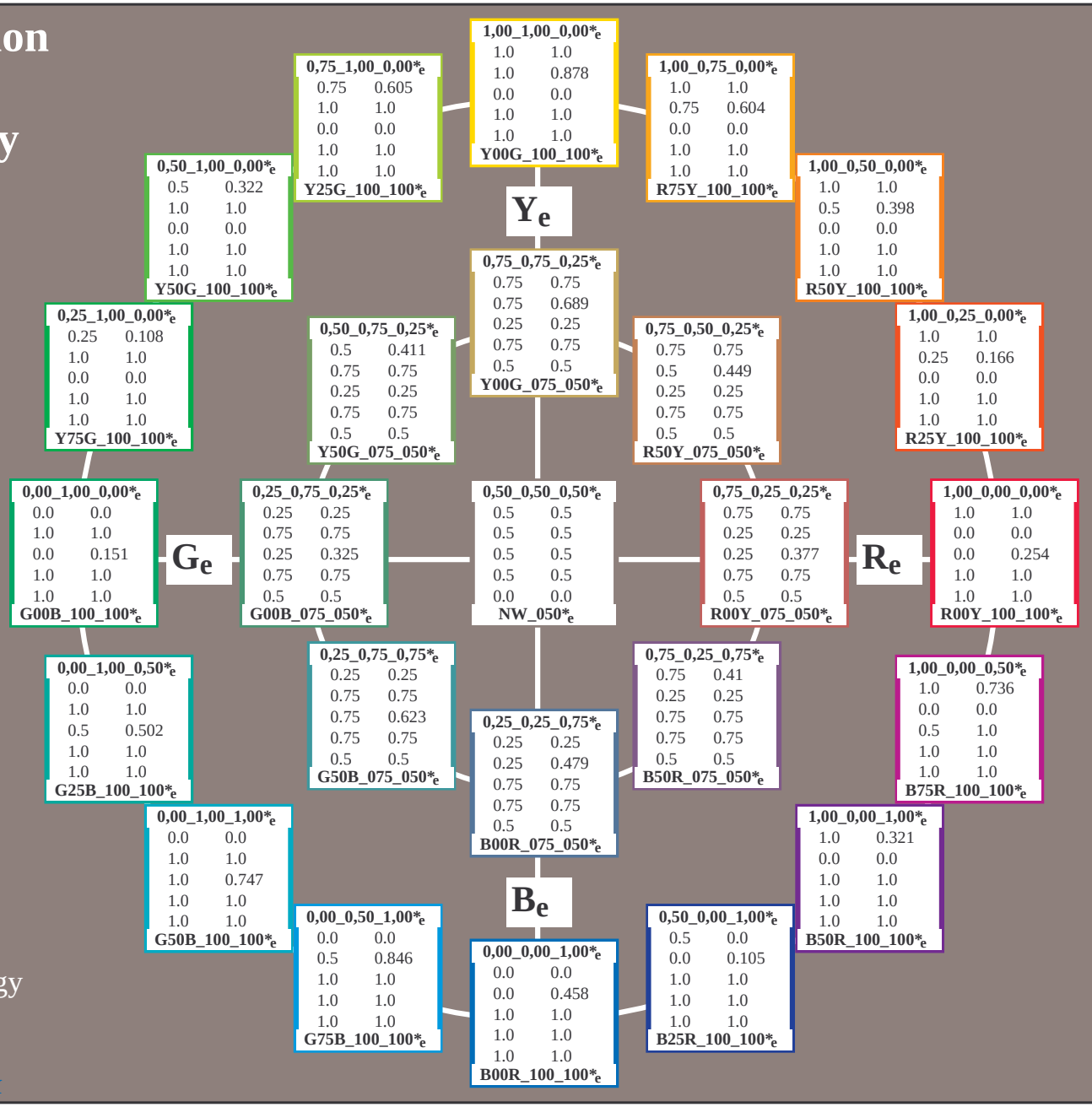
chroma *C*: HIC**$_e$ (bottom)
colour code:
rgbic*$_d$***; rgbic'****$_e$



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elementary hue *H**, brilliance *I**,
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colour code:
LabCh*'$_d$; Lab*/DE*/h*$_e$

1,00_1,00_0,00*$_e$
92.6 83.6
−20.6 −3.6
90.7 90.4
93.0 **19.2**
102.8 92.3
Y00G_100_100*$_e$

0,75_1,00_0,00*$_e$
88.5 74.5
−44.9 −25.0
85.8 74.3
96.8 **26.8**
117.6 108.6
Y25G_100_100*$_e$

1,00_0,75_0,00*$_e$
77.2 70.9
9.8 17.9
79.7 75.9
80.3 **10.9**
82.9 76.7
R75Y_100_100*$_e$

0,50_1,00_0,00*$_e$
85.7 62.6
−65.2 −40.9
82.4 53.8
105.1 **44.0**
128.3 127.2
Y50G_100_100*$_e$

1,00_0,50_0,00*$_e$
63.6 60.2
41.3 38.2
71.0 63.4
82.2 **8.8**
59.7 58.8
R50Y_100_100*$_e$

Y_e

0,75_0,75_0,25*$_e$
71.7 71.8
−14.8 −1.8
58.9 45.2
60.8 **19.0**
104.1 92.3
Y00G_075_050*$_e$

0,25_1,00_0,00*$_e$
84.1 54.1
−78.2 −55.5
80.4 37.5
112.2 **57.1**
134.1 145.9
Y75G_100_100*$_e$

0,50_0,75_0,25*$_e$
67.6 61.3
−39.2 −20.4
53.4 26.9
66.3 **33.1**
126.3 127.2
Y50G_075_050*$_e$

0,75_0,50_0,25*$_e$
55.8 60.1
17.8 19.1
42.0 31.7
45.6 **11.2**
66.9 58.8
R50Y_075_050*$_e$

1,00_0,25_0,00*$_e$
54.0 50.5
66.7 59.2
65.9 51.6
93.8 **16.5**
44.6 41.0
R25Y_100_100*$_e$

0,00_1,00_0,00*$_e$
83.6 50.6
−82.7 −62.1
79.8 19.9
115.0 **71.4**
136.0 162.2
G00B_100_100*$_e$

G_e

0,25_0,75_0,25*$_e$
65.2 55.3
−56.7 −31.0
50.2 9.9
75.8 **48.8**
138.5 162.2
G00B_075_050*$_e$

0,50_0,50_0,50*$_e$
50.6 60.0
0.0 0.0
0.0 0.0
0.0 **9.3**
325.3 0.0
NW_050*$_e$

0,75_0,25_0,25*$_e$
43.3 52.8
48.9 36.1
27.4 17.2
56.0 **18.9**
29.2 25.4
R00Y_075_050*$_e$

R_e

1,00_0,00_0,00*$_e$
50.4 45.6
76.9 72.2
64.5 34.4
100.4 **30.8**
39.9 25.4
R00Y_100_100*$_e$

0,00_1,00_0,50*$_e$
84.3 53.0
−73.7 −48.6
44.9 −8.2
86.3 **66.6**
148.6 189.6
G25B_100_100*$_e$

0,25_0,75_0,75*$_e$
67.5 57.5
−32.5 −18.1
−9.7 −13.6
33.9 **17.9**
196.7 216.9
G50B_075_050*$_e$

0,25_0,25_0,75*$_e$
32.9 50.1
38.5 0.6
−64.1 −20.3
74.8 **60.4**
301.0 271.7
B00R_075_050*$_e$

0,75_0,25_0,75*$_e$
47.5 45.5
63.1 23.8
−39.9 −14.5
74.6 **46.7**
327.6 328.6
B50R_075_050*$_e$

1,00_0,00_0,50*$_e$
52.0 41.4
81.1 70.4
4.1 −9.8
81.2 **20.5**
2.9 352.0
B75R_100_100*$_e$

0,00_1,00_1,00*$_e$
86.8 55.0
−46.1 −36.2
−13.5 −27.2
48.1 **36.0**
196.3 216.9
G50B_100_100*$_e$

1,00_0,00_1,00*$_e$
57.2 31.1
94.3 47.7
−58.4 −29.1
111.0 **60.9**
328.2 328.6
B50R_100_100*$_e$

B_e

0,00_0,50_1,00*$_e$
51.7 53.3
18.3 −19.8
−68.3 −41.3
70.7 **46.7**
285.0 244.3
G75B_100_100*$_e$

0,00_0,00_1,00*$_e$
30.3 40.2
76.0 1.2
−103.5 −40.6
128.5 **98.2**
306.2 271.7
B00R_100_100*$_e$

0,50_0,00_1,00*$_e$
38.5 28.1
79.8 23.4
−89.7 −40.3
120.1 **75.6**
311.6 300.1
B25R_100_100*$_e$

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n/j	HIC*$_{Fe}$	*rgb*$_{Fe}$			*ict*$_{Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb*'$_{Fe}$			*LabCh*'$_{Fe}$					*DE*'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$			
0/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	10.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1/657	R13Y_100_100$_e$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	8.2	31	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2
2/666	R25Y_100_100$_e$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	8.8	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
3/675	R38Y_100_100$_e$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	10.0	46	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9
4/684	R50Y_100_100$_e$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	11.6	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
5/693	R63Y_100_100$_e$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	16.4	60	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8
6/702	R75Y_100_100$_e$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	16.3	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
7/711	R88Y_100_100$_e$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	1.0	0.875	0.0	83.4	−3.4	90.2	90.2	92.1	15.4	74	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5
8/720	Y00G_100_100$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	9.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
9/639	Y13G_100_100$_e$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4	0.875	1.0	0.0	84.3	−13.9	89.2	90.3	98.8	4.1	100	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
10/558	Y25G_100_100$_e$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	13.4	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
11/477	Y38G_100_100$_e$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9	0.625	1.0	0.0	75.3	−24.0	75.7	79.4	107.6	17.7	124	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
12/396	Y50G_100_100$_e$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	18.7	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
13/315	Y63G_100_100$_e$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5	0.375	1.0	0.0	65.7	−35.6	58.3	68.3	121.4	19.5	137	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5
14/234	Y75G_100_100$_e$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	13.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
15/153	Y88G_100_100$_e$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0	0.125	1.0	0.0	54.7	−53.9	38.5	66.3	144.4	12.9	149	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
16/72	G00C_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
17/73	G13C_100_100$_e$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6	0.0	1.0	0.125	50.5	−62.8	21.9	66.5	160.7	10.9	164	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6
18/74	G25C_100_100$_e$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167.7	8.6	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
19/75	G38C_100_100$_e$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3	0.0	1.0	0.375	52.0	−54.5	3.1	54.6	176.7	5.7	175	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3
20/76	G50C_100_100$_e$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.2	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
21/77	G63C_100_100$_e$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9	0.0	1.0	0.625	54.0	−42.3	−18.1	46.1	203.2	5.3	184	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9
22/78	G75C_100_100$_e$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217.2	10.4	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
23/79	G88C_100_100$_e$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5	0.0	1.0	0.875	55.8	−30.7	−34.5	46.2	228.3	14.2	192	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5
24/80	C00B_100_100$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	17.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
25/71	C13B_100_100$_e$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3	0.0	0.875	1.0	54.1	−21.1	−41.3	46.4	242.9	15.7	200	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3
26/62	C25B_100_100$_e$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249.3	16.5	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
27/53	C38B_100_100$_e$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0	0.0	0.625	1.0	46.5	−9.4	−40.8	41.9	256.9	19.6	209	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0
28/44	C50B_100_100$_e$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	21.9	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
29/35	C63B_100_100$_e$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6	0.0	0.375	1.0	37.3	6.1	−40.2	40.7	278.6	23.0	226	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6
30/26	C75B_100_100$_e$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289.6	25.7	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
31/17	C88B_100_100$_e$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3	0.0	0.125	1.0	28.6	22.4	−40.2	46.1	299.0	29.4	237	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3
32/8	B00M_100_100$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	32.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
33/89	B13M_100_100$_e$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3	0.125	0.0	1.0	27.9	36.0	−36.4	51.2	314.7	31.8	248	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
34/170	B25M_100_100$_e$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322.1	32.6	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
35/251	B38M_100_100$_e$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5	0.375	0.0	1.0	32.7	51.8	−26.0	58.0	333.3	37.9	258	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5
36/332	B50M_100_100$_e$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	40.9	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
37/413	B63M_100_100$_e$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7	0.625	0.0	1.0	38.1	65.4	−14.0	66.9	347.9	44.9	271	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
38/494	B75M_100_100$_e$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352.5	45.8	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
39/575	B88M_100_100$_e$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9	0.875	0.0	1.0	44.2	75.2	−5.0	75.3	356.1	45.9	283	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
40/656	M00R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	45.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
41/655	M13R_100_100$_e$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2	1.0	0.0	0.875	45.9	78.2	4.1	78.3	363.0	39.9	293	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2
42/654	M25R_100_100$_e$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	366.4	34.5	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
43/653	M38R_100_100$_e$	1.0	0.0	0.625	1.0	1.0	0.5	352	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4	1.0	0.0	0.625	46.0	75.6	14.8	77.0	371.1	29.3	310	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4
44/652	M50R_100_100$_e$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	375.9	31.5	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
45/651	M63R_100_100$_e$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9	1.0	0.0	0.375	45.8	72.9	28.3	78.3	381.2	27.6	332	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9
46/650	M75R_100_100$_e$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8	1.0	0.0	0.25	45.6	72.1	34.6	80.0	385.6	21.7	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
47/649	M88R_100_100$_e$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6	1.0	0.0	0.125	45.5	71.4	40.1	81.9	389.3	16.7	362	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6
48/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	392.3	10.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
49/0	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	62.8	49.4	79.9	398.1	83.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/91	NW_013$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	24.3	0.0	0.0	0.0	0.0	8.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/182	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	29.8	7.2	3.6	8.1	26.3	14.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/273	NW_038$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	35.7	7.5	7.1	10.4	43.4	18.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/364	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	45.3	10.0	11.0	14.9	47.8	20.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
54/455	NW_063$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	55.1	8.8	9.3	12.8	46.5	18.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
55/546	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	64.6	6.7	9.1	11.3	53.7	17.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
56/637	NW_088$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	76.3	4.7	5.9	7.6	51.3	12.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
57/728	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	86.7	1.6	2.9	3.3	60.9	9.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: delta *E' = *20.9***

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, ΔE^*', 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

1−0131031−F0

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)
TUB material: code=rha4ta

n/j	HIC*$_{Fe}$	*rgb*$_{Fe}$			*ict*$_{Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb*'$_{Fe}$			*LabCh*'$_{Fe}$					*DE*'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$			
0/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	10.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1/666	R25Y_100_100$_e$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	8.8	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
2/684	R50Y_100_100$_e$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	11.6	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
3/702	R75Y_100_100$_e$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	16.3	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
4/720	Y00G_100_100$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	1.0	1.0	0.0	87.8	−10.2	95.4	96.0	96.1	9.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
5/558	Y25G_100_100$_e$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	13.4	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
6/396	Y50G_100_100$_e$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	18.7	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
7/234	Y75G_100_100$_e$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	13.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
8/72	G00B_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
9/72	G00B_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
10/76	G25B_100_100$_e$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.2	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
11/80	G50B_100_100$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	17.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
12/44	G75B_100_100$_e$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	21.9	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
13/8	B00R_100_100$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	32.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
14/332	B25R_100_100$_e$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	40.9	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
15/656	B50R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	45.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
16/652	B75R_100_100$_e$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9	31.5	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
17/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	10.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
18/688	R00Y_100_050$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	1.0	0.5	0.5	68.0	29.9	28.7	41.5	43.8	13.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
19/706	R50Y_100_050$_e$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.699	0.5	77.9	19.1	31.7	37.0	58.8	1.0	0.75	0.5	80.4	9.0	35.3	36.5	75.5	10.9	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
20/724	Y00G_100_050$_e$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	1.0	1.0	0.5	91.4	−7.7	42.5	43.2	100.3	6.7	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
21/562	Y50G_100_050$_e$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.661	1.0	0.5	79.1	−20.4	26.9	33.8	127.2	0.75	1.0	0.5	84.2	−14.1	31.5	34.5	114.0	9.4	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
22/400	G00B_100_050$_e$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2	0.5	1.0	0.5	73.9	−23.7	19.9	31.0	140.0	12.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
23/404	G50B_100_050$_e$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9	0.5	1.0	1.0	78.7	−11.6	−18.3	21.7	237.6	8.7	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
24/368	B00R_100_050$_e$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.5	0.5	1.0	57.9	18.3	−20.7	27.7	311.4	20.3	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
25/692	B50R_100_050$_e$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	1.0	0.5	1.0	70.7	35.2	−3.7	35.4	353.9	17.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
26/688	R00Y_100_050$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	1.0	0.5	0.5	68.0	29.9	28.7	41.5	43.8	13.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
27/506	R00Y_075_050$_e$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.75	0.25	0.25	50.4	39.4	31.9	50.7	38.9	15.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
28/524	R50Y_075_050$_e$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.449	0.25	60.1	19.1	31.7	37.0	58.8	0.75	0.5	0.25	61.2	18.1	39.5	43.4	65.3	7.9	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
29/542	Y00G_075_050$_e$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.75	0.75	0.25	72.4	−1.4	48.0	48.0	91.7	2.9	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
30/380	Y50G_075_050$_e$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.411	0.75	0.25	61.3	−20.4	26.9	33.8	127.2	0.5	0.75	0.25	63.2	−12.6	35.5	37.7	109.6	11.8	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
31/218	G00B_075_050$_e$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.25	0.75	0.25	53.0	−27.9	21.7	35.3	142.0	12.4	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
32/222	G50B_075_050$_e$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.25	0.75	0.75	55.9	−14.3	−16.3	21.7	228.6	4.8	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
33/186	B00R_075_050$_e$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.25	0.25	0.75	37.5	18.9	−20.4	27.9	312.8	22.3	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
34/510	B50R_075_050$_e$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.75	0.25	0.75	52.4	44.4	0.5	44.4	0.6	26.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
35/506	R00Y_075_050$_e$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.75	0.25	0.25	50.4	39.4	31.9	50.7	38.9	15.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
36/324	R00Y_050_050$_e$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	10.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
37/342	R50Y_050_050$_e$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.199	0.0	42.3	19.1	31.7	37.0	58.8	0.5	0.25	0.0	43.4	24.2	33.3	41.2	53.9	5.5	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
38/360	Y00G_050_050$_e$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.5	0.5	0.0	52.6	3.9	44.2	44.3	84.8	6.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
39/198	Y50G_050_050$_e$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.161	0.5	0.0	43.5	−20.4	26.9	33.8	127.2	0.25	0.5	0.0	43.1	−14.1	28.4	31.7	116.4	6.5	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
40/36	G00B_050_050$_e$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2	0.0	0.5	0.0	37.3	−36.4	15.2	39.5	157.2	7.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
41/40	G50B_050_050$_e$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9	0.0	0.5	0.5	39.1	−21.5	−13.3	25.3	211.8	3.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
42/4	B00R_050_050$_e$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.0	0.0	0.5	24.3	11.6	−18.9	22.1	301.5	13.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
43/328	B50R_050_050$_e$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6	0.5	0.0	0.5	35.0	49.8	0.6	49.8	0.7	31.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
44/324	R00Y_050_050$_e$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	10.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
45/0	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
46/91	NW_013$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.8	7.2	3.6	8.1	26.3	8.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
47/182	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	35.7	7.5	7.1	10.4	43.4	12.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
48/273	NW_038$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.3	10.0	11.0	14.9	47.8	16.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
49/364	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	55.1	8.8	9.3	12.8	46.5	13.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/455	NW_063$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	64.6	6.7	9.1	11.3	53.7	12.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/546	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	76.3	4.7	5.9	7.6	51.3	7.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/637	NW_088$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.7	1.6	2.9	3.3	60.9	3.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/728	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: delta *E' = *13.3***

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, ΔE^*', 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

1−0131131−F0

n=j	HIC*Fe	rgb_Fe			ict_Fe			hsi_F,e	rgb*Fe			LabCh*Fe				
0	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0
1	B00R_012_012e	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	−5.0	5.0	271.7
2	B00R_025_025e	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.114	0.25	28.3	0.3	−10.1	10.1	271.7
3	B00R_037_037e	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	−15.2	15.2	271.7
4	B00R_050_050e	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7
5	B00R_062_062e	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	−25.4	25.4	271.7
6	B00R_075_075e	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	−30.5	30.5	271.7
7	B00R_087_087e	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.4	0.875	38.2	1.0	−35.5	35.6	271.7
8	B00R_100_100e	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
9	G00B_012_012e	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.6	−7.7	2.4	8.1	162.2
10	G50B_012_012e	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.093	28.2	−4.5	−3.4	5.6	216.9
11	G75B_025_025e	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.211	0.25	31.6	−4.9	−10.3	11.4	244.3
12	G84B_037_037e	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.25	0.375	33.1	−4.3	−15.4	15.9	254.3
13	G88B_050_050e	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.301	0.5	35.0	−3.9	−20.4	20.8	258.9
14	G90B_062_062e	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.357	0.625	36.9	−3.7	−25.6	25.8	261.6
15	G92B_075_075e	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.414	0.75	38.9	−3.4	−30.7	30.9	263.5
16	G93B_087_087e	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.474	0.875	40.9	−3.4	−35.8	35.9	264.4
17	G94B_100_100e	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3
18	G00B_025_025e	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.037	30.9	−15.5	4.9	16.3	162.2
19	G25B_025_025e	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	31.5	−12.1	−2.0	12.3	189.6
20	G50B_025_025e	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.186	32.0	−9.0	−6.8	11.3	216.9
21	G65B_037_037e	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.375	0.355	36.3	−10.4	−14.5	17.8	234.3
22	G75B_050_050e	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.423	0.5	38.8	−9.9	−20.6	22.9	244.3
23	G80B_062_062e	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.453	0.625	40.2	−8.9	−25.7	27.2	250.7
24	G84B_075_075e	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.5	0.75	41.9	−8.6	−30.8	31.9	254.3
25	G86B_087_087e	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.545	0.875	43.7	−8.1	−35.7	36.7	257.1
26	G88B_100_100e	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
27	G00B_037_037e	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.056	34.2	−23.2	7.4	24.4	162.2
28	G15B_037_037e	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.151	34.8	−20.0	0.1	20.0	179.5
29	G34B_037_037e	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.222	35.4	−16.5	−5.9	17.6	199.6
30	G50B_037_037e	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.28	35.8	−13.5	−10.2	16.9	216.9
31	G61B_050_050e	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.5	0.446	40.1	−15.0	−17.7	23.2	229.7
32	G69B_062_062e	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.625	0.621	44.6	−16.1	−25.7	30.3	237.9
33	G75B_075_075e	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.634	0.75	46.0	−14.8	−31.0	34.4	244.3
34	G79B_087_087e	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.662	0.875	47.3	−13.8	−36.0	38.5	248.9
35	G81B_100_100e	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6
36	G00B_050_050e	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2
37	G11B_050_050e	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.175	38.1	−27.7	2.4	27.8	175.0
38	G25B_050_050e	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.251	38.6	−24.3	−4.1	24.6	189.6
39	G38B_050_050e	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.316	39.2	−21.0	−9.4	23.0	204.2
40	G50B_050_050e	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9
41	G59B_062_062e	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.625	0.537	44.0	−19.6	−21.0	28.8	227.0
42	G65B_075_075e	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.75	0.711	48.4	−20.8	−29.0	35.7	234.3
43	G70B_087_087e	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.841	0.875	52.0	−21.1	−36.3	42.0	239.7
44	G75B_100_100e	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
45	G00B_062_062e	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.094	40.8	−38.8	12.4	40.7	162.2
46	G09B_062_062e	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.195	41.4	−35.6	4.8	35.9	172.2
47	G19B_062_062e	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.274	41.9	−32.4	−1.8	32.4	183.2
48	G30B_062_062e	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.349	42.5	−28.7	−8.2	29.8	195.9
49	G40B_062_062e	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.411	43.0	−25.5	−12.9	28.6	206.9
50	G50B_062_062e	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.467	43.5	−22.6	−17.0	28.3	216.9
51	G57B_075_075e	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.75	0.629	47.8	−24.2	−24.4	34.4	225.1
52	G63B_087_087e	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.875	0.8	52.2	−25.5	−32.2	41.1	231.5
53	G68B_100_100e	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0
54	G00B_075_075e	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.113	44.1	−46.5	14.9	48.9	162.2
55	G07B_075_075e	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.215	44.6	−43.3	7.3	43.9	170.4
56	G15B_075_075e	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.302	45.2	−40.1	0.3	40.1	179.5
57	G25B_075_075e	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.376	45.8	−36.4	−6.1	36.9	189.6
58	G34B_075_075e	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.444	46.4	−33.1	−11.8	35.2	199.6
59	G42B_075_075e	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.505	46.9	−30.1	−16.5	34.3	208.7
60	G50B_075_075e	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.56	47.3	−27.1	−20.4	33.9	216.9
61	G56B_087_087e	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.875	0.725	51.6	−28.7	−28.0	40.1	224.2
62	G61B_100_100e	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
63	G00B_087_087e	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.132	47.3	−54.3	17.4	57.0	162.2
64	G06B_087_087e	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.239	48.0	−50.9	9.4	51.8	169.5
65	G13B_087_087e	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.329	48.5	−47.7	2.6	47.8	176.8
66	G20B_087_087e	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.4	49.1	−44.6	−3.9	44.7	185.0
67	G29B_087_087e	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.475	49.7	−40.9	−10.3	42.2	194.1
68	G36B_087_087e	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.54	50.2	−37.4	−15.4	40.5	202.3
69	G43B_087_087e	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.597	50.7	−34.7	−19.8	40.0	209.6
70	G50B_087_087e	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.653	51.1	−31.6	−23.8	39.6	216.9
71	G55B_100_100e	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3
72	G00B_100_100e	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
73	G05B_100_100e	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6
74	G11B_100_100e	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
75	G18B_100_100e	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3
76	G25B_100_100e	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
77	G31B_100_100e	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9
78	G38B_100_100e	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
79	G44B_100_100e	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5
80	G50B_100_100e	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

n=j	rgb*'Fe			LabCh*'Fe					DE*'Fe	hsiM,e	rgb*Me			LabCh*Me				
0	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1	0.0	0.0	0.125	23.8	2.3	−3.5	4.2	303.1	3.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
2	0.0	0.0	0.25	23.9	4.8	−8.0	9.4	300.8	6.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
3	0.0	0.0	0.375	24.1	6.9	−12.1	13.9	299.8	9.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
4	0.0	0.0	0.5	24.3	11.6	−18.9	22.1	301.5	13.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
5	0.0	0.0	0.625	24.6	15.8	−24.6	29.2	302.7	17.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
6	0.0	0.0	0.75	24.7	20.7	−30.7	37.0	303.9	22.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
7	0.0	0.0	0.875	24.8	25.5	−35.9	44.0	305.3	27.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
8	0.0	0.0	1.0	25.0	29.5	−40.4	50.0	306.2	32.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
9	0.0	0.125	0.0	27.1	−8.2	2.9	8.7	160.0	0.8	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
10	0.0	0.125	0.125	26.7	−5.9	−1.1	6.0	190.5	3.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
11	0.0	0.125	0.25	27.1	−3.6	−5.7	6.8	237.4	6.5	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
12	0.0	0.125	0.375	27.1	−0.2	−10.8	10.8	268.5	8.5	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
13	0.0	0.125	0.5	27.3	4.4	−17.8	18.3	284.1	11.7	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
14	0.0	0.125	0.625	27.8	8.7	−24.2	25.7	289.8	15.5	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
15	0.0	0.125	0.75	28.1	13.4	−30.2	33.0	293.9	20.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
16	0.0	0.125	0.875	28.3	18.0	−35.6	39.9	296.8	24.9	237	0.0	0.542	1.0	43.3	−3.9	−40.9	41.1	264.4
17	0.0	0.125	1.0	28.6	22.4	−40.2	46.1	299.0	29.4	237	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3
18	0.0	0.25	0.0	30.5	−18.5	7.5	20.0	157.7	3.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
19	0.0	0.25	0.125	30.7	−16.4	2.9	16.6	169.8	6.6	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
20	0.0	0.25	0.25	31.1	−13.5	−2.5	13.7	190.8	6.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
21	0.0	0.25	0.375	31.7	−11.0	−8.3	13.7	217.0	7.7	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
22	0.0	0.25	0.5	31.8	−5.6	−15.7	16.7	250.1	9.5	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
23	0.0	0.25	0.625	32.1	−0.6	−22.5	22.5	268.3	12.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
24	0.0	0.25	0.75	32.2	4.8	−29.1	29.5	279.4	16.6	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
25	0.0	0.25	0.875	32.3	9.9	−34.9	36.3	285.8	21.3	231	0.0	0.622	1.0	46.4	−9.3	−40.9	41.9	257.1
26	0.0	0.25	1.0	32.8	14.3	−40.2	42.7	289.6	25.7	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
27	0.0	0.375	0.0	33.9	−27.6	11.4	29.8	157.4	5.8	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
28	0.0	0.375	0.125	34.2	−25.5	6.6	26.4	165.4	8.5	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
29	0.0	0.375	0.25	34.7	−22.1	−0.5	22.1	181.3	7.8	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
30	0.0	0.375	0.375	34.9	−18.4	−6.6	19.6	199.8	6.1	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
31	0.0	0.375	0.5	35.7	−14.1	−14.6	20.3	226.1	5.4	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
32	0.0	0.375	0.625	36.6	−10.0	−21.5	23.7	245.0	10.9	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
33	0.0	0.375	0.75	36.5	−4.0	−28.4	28.6	261.8	14.6	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
34	0.0	0.375	0.875	36.5	2.0	−34.7	34.8	273.3	19.3	223	0.0	0.757	1.0	50.6	−15.8	−41.1	44.1	248.9
35	0.0	0.375	1.0	37.3	6.1	−40.2	40.7	278.6	23.0	226	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6
36	0.0	0.5	0.0	37.3	−36.4	15.2	39.5	157.2	7.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
37	0.0	0.5	0.125	37.6	−34.1	9.9	35.5	163.8	9.8	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
38	0.0	0.5	0.25	38.1	−30.3	2.2	30.4	175.7	8.8	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
39	0.0	0.5	0.375	38.7	−26.0	−5.6	26.6	192.2	6.3	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
40	0.0	0.5	0.5	39.1	−21.5	−13.3	25.3	211.8	3.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
41	0.0	0.5	0.625	40.3	−17.0	−21.0	27.1	231.0	4.4	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
42	0.0	0.5	0.75	41.1	−12.1	−28.0	30.5	246.4	11.3	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
43	0.0	0.5	0.875	41.6	−6.8	−34.8	35.4	258.8	17.7	211	0.0	0.962	1.0	56.0	−24.1	−41.5	48.0	239.7
44	0.0	0.5	1.0	41.7	−1.2	−40.6	40.6	268.2	21.9	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
45	0.0	0.625	0.0	41.4	−45.8	19.8	49.9	156.6	10.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
46	0.0	0.625	0.125	41.6	−43.4	13.8	45.5	162.2	11.9	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
47	0.0	0.625	0.25	42.1	−39.7	5.6	40.1	171.9	10.4	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
48	0.0	0.625	0.375	42.9	−34.7	−3.7	34.9	186.1	7.5	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
49	0.0	0.625	0.5	43.4	−29.7	−12.3	32.1	202.4	4.2	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
50	0.0	0.625	0.625	44.2	−25.0	−19.8	31.9	218.3	3.7	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
51	0.0	0.625	0.75	45.4	−19.9	−27.5	34.0	234.0	5.8	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
52	0.0	0.625	0.875	46.0	−14.7	−34.6	37.6	246.9	12.7	205	0.0	1.0	0.915	56.1	−29.2	−36.8	47.0	231.5
53	0.0	0.625	1.0	46.5	−9.4	−40.8	41.9	256.9	19.6	209	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0
54	0.0	0.75	0.0	44.1	−52.2	22.9	57.0	156.2	9.7	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
55	0.0	0.75	0.125	44.4	−49.8	16.5	52.5	161.6	11.2	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
56	0.0	0.75	0.25	45.1	−46.0	7.6	46.6	170.5	9.3	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
57	0.0	0.75	0.375	45.8	−41.8	−1.2	41.8	181.6	7.2	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
58	0.0	0.75	0.5	46.7	−35.7	−11.7	37.5	198.2	2.5	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
59	0.0	0.75	0.625	47.6	−30.2	−20.1	36.3	213.7	3.7	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
60	0.0	0.75	0.75	48.3	−25.2	−27.2	37.1	227.1	7.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
61	0.0	0.75	0.875	49.3	−20.3	−34.4	40.0	239.4	10.8	200	0.0	1.0	0.829	55.5	−32.8	−32.0	45.8	224.2
62	0.0	0.75	1.0	50.4	−15.5	−41.1	43.9	249.3	16.5	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
63	0.0	0.875	0.0	47.4	−59.9	26.3	65.4	156.2	10.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
64	0.0	0.875	0.125	47.9	−57.3	19.2	60.4	161.4	11.7	165	0.0	1.0	0.274	51.3	−58.2	10.7	59.2	169.5
65	0.0	0.875	0.25	48.6	−53.4	10.5	54.5	168.7	9.8	171	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176.8
66	0.0	0.875	0.375	49.4	−49.1	1.2	49.2	178.5	6.9	177	0.0	1.0	0.457	52.6	−50.9	−4.4	51.1	185.0
67	0.0	0.875	0.5	50.3	−42.8	−10.1	44.0	193.2	2.0	182	0.0	1.0	0.543	53.3	−46.7	−11.8	48.2	194.1
68	0.0	0.875	0.625	51.3	−36.6	−19.6	41.6	208.2	4.4	187	0.0	1.0	0.617	53.9	−42.8	−17.6	46.3	202.3
69	0.0	0.875	0.75	52.2	−31.2	−27.5	41.6	221.3	8.5	191	0.0	1.0	0.682	54.5	−39.7	−22.6	45.7	209.6
70	0.0	0.875	0.875	53.0	−26.2	−34.4	43.3	232.6	12.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
71	0.0	0.875	1.0	54.1	−21.1	−41.3	46.4	242.9	15.7	200	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3
72	0.0	1.0	0.0	50.0	−65.0	29.6	71.4	155.5	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
73	0.0	1.0	0.125	50.5	−62.8	21.9	66.5	160.7	10.9	164	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6
74	0.0	1.0	0.25	51.2	−58.9	12.7	60.3	167.7	8.6	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
75	0.0	1.0	0.375	52.0	−54.5	3.1	54.6	176.7	5.7	175	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3
76	0.0	1.0	0.5	52.9	−48.6	−8.0	49.3	189.3	0.2	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
77	0.0	1.0	0.625	54.0	−42.3	−18.1	46.1	203.2	5.3	184	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9
78	0.0	1.0	0.75	55.0	−36.0	−27.4	45.3	217.2	10.4	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
79	0.0	1.0	0.875	55.8	−30.7	−34.5	46.2	228.3	14.2	192	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5
80	0.0	1.0	1.0	56.8	−25.5	−41.5	48.7	238.4	17.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta $E^{*\prime}$ = *10.9***

1−0131231−F0

PE780−7N, Page 13/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

1−0131231−F0

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/26

n	HIC*Fe	rgb_Fe			ict_Fe			$h_{si_F,e}$	rgb*Fe			LabCh*Fe				
81	R00Y_012_012e	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.031	27.0	9.0	4.3	10.0	25.4
82	B50R_012_012e	0.125	0.0	0.125	0.125	0.125	0.062	330	0.04	0.0	0.125	25.2	5.9	−3.6	6.9	328.6
83	B25R_025_025e	0.125	0.0	0.25	0.25	0.25	0.125	300	0.0	0.026	0.25	25.3	5.8	−10.0	11.6	300.1
84	B15R_037_037e	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.093	0.375	27.5	5.4	−15.0	16.0	289.7
85	B11R_050_050e	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.151	0.5	29.5	5.4	−20.2	20.9	285.0
86	B09R_062_062e	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.209	0.625	31.5	5.4	−25.2	25.8	282.1
87	B07R_075_075e	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.267	0.75	33.6	5.4	−30.2	30.7	280.2
88	B06R_087_087e	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.321	0.875	35.4	5.7	−35.2	35.7	279.3
89	B05R_100_100e	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
90	Y00G_012_012e	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.109	0.0	31.7	−0.4	11.3	11.3	92.3
91	NW_012e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
92	B00R_025_012e	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.182	0.25	35.2	0.1	−5.0	5.0	271.7
93	B00R_037_025e	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.239	0.375	37.2	0.3	−10.1	10.1	271.7
94	B00R_050_037e	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.296	0.5	39.2	0.4	−15.2	15.2	271.7
95	B00R_062_050e	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.354	0.625	41.2	0.6	−20.3	20.3	271.7
96	B00R_075_062e	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.411	0.75	43.2	0.7	−25.4	25.4	271.7
97	B00R_087_075e	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.468	0.875	45.1	0.9	−30.5	30.5	271.7
98	B00R_100_087e	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.525	1.0	47.1	1.0	−35.5	35.6	271.7
99	Y50G_025_025e	0.125	0.25	0.0	0.25	0.25	0.125	120	0.08	0.25	0.0	33.9	−10.2	13.4	16.9	127.2
100	G00B_025_012e	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−7.7	2.4	8.1	162.2
101	G50B_025_012e	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.218	37.1	−4.5	−3.4	5.6	216.9
102	G75B_037_025e	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.336	0.375	40.5	−4.9	−10.3	11.4	244.3
103	G84B_050_037e	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.375	0.5	42.0	−4.3	−15.4	15.9	254.3
104	G88B_062_050e	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.426	0.625	43.9	−3.9	−20.4	20.8	258.9
105	G90B_075_062e	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.482	0.75	45.8	−3.7	−25.6	25.8	261.6
106	G92B_087_075e	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.539	0.875	47.8	−3.4	−30.7	30.9	263.5
107	G93B_100_087e	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.599	1.0	49.8	−3.4	−35.8	35.9	264.4
108	Y68G_037_037e	0.125	0.375	0.0	0.375	0.375	0.187	131	0.069	0.375	0.0	36.4	−19.1	15.9	24.9	140.0
109	G00B_037_025e	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.162	39.8	−15.5	4.9	16.3	162.2
110	G25B_037_025e	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	40.4	−12.1	−2.0	12.3	189.6
111	G50B_037_025e	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.311	40.9	−9.0	−6.8	11.3	216.9
112	G65B_050_037e	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.5	0.48	45.3	−10.4	−14.5	17.8	234.3
113	G75B_062_050e	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.548	0.625	47.7	−9.9	−20.6	22.9	244.3
114	G80B_075_062e	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.578	0.75	49.1	−8.9	−25.7	27.2	250.7
115	G84B_087_075e	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.625	0.875	50.8	−8.6	−30.8	31.9	254.3
116	G86B_100_087e	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.67	1.0	52.6	−8.1	−35.7	36.7	257.1
117	Y76G_050_050e	0.125	0.5	0.0	0.5	0.5	0.25	136	0.054	0.5	0.0	39.2	−27.7	18.7	33.5	145.9
118	G00B_050_037e	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.181	43.1	−23.2	7.4	24.4	162.2
119	G15B_050_037e	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.276	43.7	−20.0	0.1	20.0	179.5
120	G34B_050_037e	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.347	44.3	−16.5	−5.9	17.6	199.6
121	G50B_050_037e	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.405	44.7	−13.5	−10.2	16.9	216.9
122	G61B_062_050e	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.625	0.571	49.0	−15.0	−17.7	23.2	229.7
123	G69B_075_062e	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.75	0.746	53.5	−16.1	−25.7	30.3	237.9
124	G75B_087_075e	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.759	0.875	54.9	−14.8	−31.0	34.4	244.3
125	G79B_100_087e	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.787	1.0	56.2	−13.8	−36.0	38.5	248.9
126	Y81G_062_062e	0.125	0.625	0.0	0.625	0.625	0.312	139	0.043	0.625	0.0	42.0	−36.9	21.8	42.8	149.4
127	G00B_062_050e	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.2	46.4	−31.0	9.9	32.6	162.2
128	G11B_062_050e	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.3	47.0	−27.7	2.4	27.8	175.0
129	G25B_062_050e	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.376	47.5	−24.3	−4.1	24.6	189.6
130	G38B_062_050e	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.441	48.1	−21.0	−9.4	23.0	204.2
131	G50B_062_050e	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.498	48.6	−18.1	−13.6	22.6	216.9
132	G59B_075_062e	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.75	0.662	52.9	−19.6	−21.0	28.8	227.0
133	G65B_087_075e	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.875	0.836	57.3	−20.8	−29.0	35.7	234.3
134	G70B_100_087e	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.966	1.0	60.9	−21.1	−36.3	42.0	239.7
135	Y85G_075_075e	0.125	0.75	0.0	0.75	0.75	0.375	141	0.032	0.75	0.0	44.8	−46.0	24.7	52.2	151.7
136	G00B_075_062e	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.219	49.7	−38.8	12.4	40.7	162.2
137	G09B_075_062e	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.32	50.3	−35.6	4.8	35.9	172.2
138	G19B_075_062e	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.399	50.8	−32.4	−1.8	32.4	183.2
139	G30B_075_062e	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.474	51.4	−28.7	−8.2	29.8	195.9
140	G40B_075_062e	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.536	51.9	−25.5	−12.9	28.6	206.9
141	G50B_075_062e	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.592	52.4	−22.6	−17.0	28.3	216.9
142	G57B_087_075e	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.875	0.754	56.7	−24.2	−24.4	34.4	225.1
143	G63B_100_087e	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	1.0	0.925	61.1	−25.5	−32.2	41.1	231.5
144	Y86G_087_087e	0.125	0.875	0.0	0.875	0.875	0.437	142	0.025	0.875	0.0	47.8	−54.7	27.9	61.4	152.9
145	G00B_087_075e	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.238	53.0	−46.5	14.9	48.9	162.2
146	G07B_087_075e	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.34	53.5	−43.3	7.3	43.9	170.4
147	G15B_087_075e	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.427	54.1	−40.1	0.3	40.1	179.5
148	G25B_087_075e	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.501	54.7	−36.4	−6.1	36.9	189.6
149	G34B_087_075e	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.569	55.3	−33.1	−11.8	35.2	199.6
150	G42B_087_075e	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.63	55.8	−30.1	−16.5	34.3	208.7
151	G50B_087_075e	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.685	56.2	−27.1	−20.4	33.9	216.9
152	G56B_100_087e	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	1.0	0.85	60.5	−28.7	−28.0	40.1	224.2
153	Y88G_100_100e	0.125	1.0	0.0	1.0	1.0	0.5	143	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
154	G00B_100_087e	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.257	56.3	−54.3	17.4	57.0	162.2
155	G06B_100_087e	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.364	56.9	−50.9	9.4	51.8	169.5
156	G13B_100_087e	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.454	57.4	−47.7	2.6	47.8	176.8
157	G20B_100_087e	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.525	58.0	−44.6	−3.9	44.7	185.0
158	G29B_100_087e	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.6	58.6	−40.9	−10.3	42.2	194.1
159	G36B_100_087e	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.665	59.1	−37.4	−15.4	40.5	202.3
160	G43B_100_087e	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.722	59.6	−34.7	−19.8	40.0	209.6
161	G50B_100_087e	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.778	60.0	−31.6	−23.8	39.6	216.9

n	rgb*'Fe			LabCh*'Fe					DE*'Fe	$h_{siM,e}$	rgb*Me			LabCh*Me				
81	0.125	0.0	0.0	26.6	14.6	4.2	15.2	16.1	5.6	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
82	0.125	0.0	0.125	26.7	15.8	0.3	15.8	1.1	10.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
83	0.125	0.0	0.25	26.9	17.8	−4.5	18.4	345.8	13.3	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
84	0.125	0.0	0.375	26.6	19.3	−9.3	21.5	334.2	15.1	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
85	0.125	0.0	0.5	27.0	21.7	−15.4	26.6	324.6	17.1	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
86	0.125	0.0	0.625	27.1	25.2	−21.3	33.1	319.7	20.6	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
87	0.125	0.0	0.75	27.4	29.1	−26.9	39.7	317.2	24.7	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
88	0.125	0.0	0.875	27.4	33.0	−32.0	46.0	315.8	28.5	248	0.0	0.367	1.0	37.0	6.6	−40.2	40.8	279.3
89	0.125	0.0	1.0	27.9	36.0	−36.4	51.2	314.7	31.8	248	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
90	0.125	0.125	0.0	29.6	5.9	7.7	9.7	52.8	7.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
91	0.125	0.125	0.125	29.8	7.2	3.6	8.1	26.3	8.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
92	0.125	0.125	0.25	30.0	8.9	−1.7	9.1	349.1	10.7	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
93	0.125	0.125	0.375	30.4	11.8	−7.5	14.0	327.5	13.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
94	0.125	0.125	0.5	30.5	14.5	−14.1	20.3	315.8	16.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
95	0.125	0.125	0.625	30.9	17.9	−20.2	27.0	311.4	20.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
96	0.125	0.125	0.75	31.5	21.1	−26.2	33.7	308.7	23.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
97	0.125	0.125	0.875	31.5	25.0	−31.5	40.2	308.4	27.7	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
98	0.125	0.125	1.0	32.0	28.2	−36.3	46.0	307.8	31.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
99	0.125	0.25	0.0	33.7	−4.5	12.9	13.6	109.2	5.7	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
100	0.125	0.25	0.125	33.9	−3.6	8.3	9.1	113.6	7.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
101	0.125	0.25	0.25	34.4	−1.1	1.6	2.0	124.6	6.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
102	0.125	0.25	0.375	34.7	1.3	−4.5	4.7	286.1	10.3	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
103	0.125	0.25	0.5	35.0	4.5	−11.8	12.7	291.0	11.8	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
104	0.125	0.25	0.625	35.2	8.5	−18.0	20.0	295.3	15.4	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
105	0.125	0.25	0.75	35.7	12.5	−24.8	27.8	296.7	19.1	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
106	0.125	0.25	0.875	36.1	16.4	−30.6	34.8	298.2	23.1	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
107	0.125	0.25	1.0	36.4	19.7	−35.8	40.8	298.8	26.7	237	0.0	0.542	1.0	43.3	−3.9	−40.9	41.1	264.4
108	0.125	0.375	0.0	37.4	−15.0	17.0	22.7	131.3	4.3	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
109	0.125	0.375	0.125	37.6	−12.8	11.7	17.3	137.3	7.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
110	0.125	0.375	0.25	38.4	−10.8	5.2	12.0	154.3	7.6	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
111	0.125	0.375	0.375	38.8	−7.8	−2.3	8.2	196.2	5.1	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
112	0.125	0.375	0.5	39.7	−5.2	−9.5	10.8	241.1	9.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
113	0.125	0.375	0.625	39.7	−0.9	−16.6	16.6	266.8	12.6	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
114	0.125	0.375	0.75	39.8	4.0	−24.0	24.4	279.5	16.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
115	0.125	0.375	0.875	40.3	8.1	−30.2	31.3	285.1	19.8	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
116	0.125	0.375	1.0	40.4	12.6	−35.8	37.9	289.4	24.1	231	0.0	0.622	1.0	46.4	−9.3	−40.9	41.9	257.1
117	0.125	0.5	0.0	41.0	−23.7	21.5	32.0	137.7	5.1	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
118	0.125	0.5	0.125	41.5	−21.6	15.4	26.6	144.4	8.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
119	0.125	0.5	0.25	42.1	−19.2	8.0	20.8	157.3	8.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
120	0.125	0.5	0.375	42.7	−15.8	−0.3	15.8	181.2	5.8	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
121	0.125	0.5	0.5	43.0	−12.4	−8.0	14.7	212.9	3.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
122	0.125	0.5	0.625	44.2	−9.4	−15.4	18.1	238.4	7.7	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
123	0.125	0.5	0.75	45.0	−5.2	−22.9	23.4	257.0	14.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
124	0.125	0.5	0.875	45.2	−0.4	−29.7	29.7	269.1	17.5	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
125	0.125	0.5	1.0	45.4	4.0	−35.8	36.1	276.5	21.0	223	0.0	0.757	1.0	50.6	−15.8	−41.1	44.1	248.9
126	0.125	0.625	0.0	45.0	−33.3	26.4	42.5	141.5	6.6	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
127	0.125	0.625	0.125	45.9	−30.8	20.2	36.9	146.8	10.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
128	0.125	0.625	0.25	46.5	−28.6	12.2	31.1	156.7	9.8	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
129	0.125	0.625	0.375	47.3	−25.2	3.3	25.4	172.4	7.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
130	0.125	0.625	0.5	47.9	−21.0	−6.0	21.8	196.1	3.3	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
131	0.125	0.625	0.625	48.5	−17.3	−14.0	22.3	219.1	0.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
132	0.125	0.625	0.75	49.8	−13.8	−21.9	25.8	237.7	6.6	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
133	0.125	0.625	0.875	50.7	−9.3	−29.0	30.4	252.0	13.2	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
134	0.125	0.625	1.0	50.9	−5.1	−35.8	36.2	261.8	18.9	211	0.0	0.962	1.0	56.0	−24.1	−41.5	48.0	239.7
135	0.125	0.75	0.0	48.5	−40.4	30.4	50.6	143.0	8.7	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
136	0.125	0.75	0.125	49.1	−37.9	23.5	44.7	148.1	11.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
137	0.125	0.75	0.25	49.9	−35.0	15.2	38.2	156.5	10.4	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
138	0.125	0.75	0.375	50.5	−32.1	6.3	32.7	168.7	8.2	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
139	0.125	0.75	0.5	50.9	−27.7	−4.9	28.1	190.1	3.4	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
140	0.125	0.75	0.625	52.0	−23.5	−13.7	27.2	210.2	2.1	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
141	0.125	0.75	0.75	53.0	−19.3	−21.3	28.8	227.8	5.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
142	0.125	0.75	0.875	54.4	−15.2	−28.9	32.6	242.2	10.3	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
143	0.125	0.75	1.0	55.0	−11.1	−35.8	37.5	252.7	16.0	205	0.0	1.0	0.915	56.1	−29.2	−36.8	47.0	231.5
144	0.125	0.875	0.0	51.9	−48.3	35.1	59.8	143.9	10.3	148	0.029	1.0	0.0	51.1	−62.5	31.9	70.2	152.9
145	0.125	0.875	0.125	52.7	−45.7	27.1	53.2	149.2	12.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
146	0.125	0.875	0.25	53.6	−42.7	18.2	46.5	156.8	10.9	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
147	0.125	0.875	0.375	54.3	−39.7	8.6	40.6	167.7	8.3	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
148	0.125	0.875	0.5	55.1	−35.7	−2.4	35.8	183.9	3.8	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
149	0.125	0.875	0.625	56.2	−30.3	−13.0	33.0	203.2	3.1	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
150	0.125	0.875	0.75	57.2	−25.6	−21.8	33.6	220.3	7.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
151	0.125	0.875	0.875	58.2	−21.4	−28.4	35.6	232.9	10.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
152	0.125	0.875	1.0	59.1	−17.1	−36.0	39.9	244.5	14.1	200	0.0	1.0	0.829	55.5	−32.8	−32.0	45.8	224.2
153	0.125	1.0	0.0	54.7	−53.9	38.5	66.3	144.4	12.9	149	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
154	0.125	1.0	0.125	55.6	−51.3	30.2	59.5	149.5	13.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
155	0.125	1.0	0.25	56.4	−48.3	20.7	52.5	156.7	11.6	165	0.0	1.0	0.274	51.3	−58.2	10.7	59.2	169.5
156	0.125	1.0	0.375	57.0	−45.6	11.7	47.1	165.6	9.3	171	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176.8
157	0.125	1.0	0.5	57.5	−42.0	0.4	42.0	179.3	5.1	177	0.0	1.0	0.457	52.6	−50.9	−4.4	51.1	185.0
158	0.125	1.0	0.625	59.1	−35.9	−11.3	37.6	197.4	5.1	182	0.0	1.0	0.543	53.3	−46.7	−11.8	48.2	194.1
159	0.125	1.0	0.75	60.1	−30.8	−21.2	37.4	214.5	8.8	187	0.0	1.0	0.617	53.9	−42.8	−17.6	46.3	202.3
160	0.125	1.0	0.875	61.2	−26.4	−28.4	38.8	227.0	12.0	191	0.0	1.0	0.682	54.5	−39.7	−22.6	45.7	209.6
161	0.125	1.0	1.0	62.0	−21.8	−35.7	41.8	238.5	15.5	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta $E^{*\prime}$ = *12.0***

1−0131331−F0 PE780−7N, Page 14/26−F PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk −> rgb*e
output: transfer to *cmy0*e

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/26

n	HIC*Fe	rgb_Fe			ict_Fe			$h_{si_F,e}$	rgb*Fe			LabCh*Fe					rgb*'Fe			LabCh*'Fe					DE*'Fe	$h_{siM,e}$	rgb*Me			LabCh*Me				
162	R00Y_025_025$_e$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.063	29.6	18.0	8.6	20.0	25.4	0.25	0.0	0.0	28.1	24.0	7.8	25.2	18.0	6.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
163	R00Y_025_025$_e$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.184	0.0	0.25	28.6	17.6	−2.4	17.7	352.0	0.25	0.0	0.125	28.1	25.5	4.4	25.9	9.7	10.4	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
164	B50R_025_025$_e$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.08	0.0	0.25	26.0	11.9	−7.2	13.9	328.6	0.25	0.0	0.25	28.3	27.3	−0.1	27.3	359.7	17.1	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
165	B34R_037_037$_e$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.024	0.0	0.375	25.1	12.3	−14.4	19.0	310.5	0.25	0.0	0.375	28.5	29.3	−4.3	29.6	351.6	20.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
166	B25R_050_050$_e$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.0	0.052	0.5	26.2	11.7	−20.1	23.3	300.1	0.25	0.0	0.5	28.5	30.6	−10.4	32.3	341.1	21.3	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
167	B19R_062_062$_e$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.0	0.123	0.625	28.5	11.0	−25.2	27.5	293.5	0.25	0.0	0.625	28.5	32.6	−17.0	36.8	332.3	23.1	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
168	B15R_075_075$_e$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.186	0.75	30.6	10.8	−30.1	32.0	289.7	0.25	0.0	0.75	28.7	36.0	−23.1	42.8	327.3	26.2	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
169	B13R_087_087$_e$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.245	0.875	32.7	10.7	−35.3	36.9	286.9	0.25	0.0	0.875	28.6	39.2	−28.1	48.2	324.3	29.6	254	0.0	0.281	1.0	33.9	12.2	−40.3	42.2	286.9
170	B11R_100_100$_e$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0	0.25	0.0	1.0	28.8	41.9	−32.5	53.1	322.1	32.6	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
171	R50Y_025_025$_e$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.099	0.0	33.3	9.5	15.8	18.5	58.8	0.25	0.125	0.0	31.0	16.0	11.8	19.9	36.4	7.9	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
172	R00Y_025_012$_e$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.156	35.9	9.0	4.3	10.0	25.4	0.25	0.125	0.125	31.0	16.8	8.0	18.6	25.3	10.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
173	B50R_025_012$_e$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.165	0.124	0.25	34.1	5.9	−3.6	6.9	328.6	0.25	0.125	0.25	31.5	18.6	3.2	18.9	9.7	14.6	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
174	B25R_037_025$_e$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.124	0.151	0.375	34.2	5.8	−10.0	11.6	300.1	0.25	0.125	0.375	31.7	20.5	−2.2	20.6	353.7	16.8	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
175	B15R_050_037$_e$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.218	0.5	36.4	5.4	−15.0	16.0	289.7	0.25	0.125	0.5	31.9	22.3	−9.9	24.4	335.9	18.2	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
176	B11R_062_050$_e$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.276	0.625	38.4	5.4	−20.2	20.9	285.0	0.25	0.125	0.625	32.1	24.7	−16.1	29.5	326.9	20.7	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
177	B09R_075_062$_e$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.334	0.75	40.4	5.4	−25.2	25.8	282.1	0.25	0.125	0.75	32.4	28.2	−22.2	35.9	321.8	24.3	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
178	B07R_087_075$_e$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.392	0.875	42.5	5.4	−30.2	30.7	280.2	0.25	0.125	0.875	32.8	30.9	−27.8	41.6	318.0	27.3	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
179	B06R_100_087$_e$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.446	1.0	44.3	5.7	−35.2	35.7	279.3	0.25	0.125	1.0	33.1	33.9	−32.5	47.0	316.2	30.4	248	0.0	0.367	1.0	37.0	6.6	−40.2	40.8	279.3
180	Y00G_025_025$_e$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.219	0.0	39.1	−0.9	22.6	22.6	92.3	0.25	0.25	0.0	35.1	5.0	17.5	18.2	74.0	8.8	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
181	Y00G_025_012$_e$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.234	0.124	40.6	−0.4	11.3	11.3	92.3	0.25	0.25	0.125	35.4	5.7	13.1	14.3	66.3	8.2	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
182	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	35.7	7.5	7.1	10.4	43.4	12.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
183	B00R_037_012$_e$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.307	0.375	44.1	0.1	−5.0	5.0	271.7	0.25	0.25	0.375	36.3	9.3	0.7	9.4	4.5	13.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
184	B00R_050_025$_e$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.364	0.5	46.1	0.3	−10.1	10.1	271.7	0.25	0.25	0.5	36.4	12.3	−6.8	14.1	330.9	15.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
185	B00R_062_037$_e$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.421	0.625	48.1	0.4	−15.2	15.2	271.7	0.25	0.25	0.625	37.0	15.5	−14.0	20.9	318.0	18.7	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
186	B00R_075_050$_e$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.25	0.25	0.75	37.5	18.9	−20.4	27.9	312.8	22.3	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
187	B00R_087_062$_e$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.536	0.875	52.1	0.7	−25.4	25.4	271.7	0.25	0.25	0.875	38.0	22.0	−26.5	34.4	309.7	25.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
188	B00R_100_075$_e$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.593	1.0	54.1	0.9	−30.5	30.5	271.7	0.25	0.25	1.0	38.2	25.3	−31.6	40.5	308.7	29.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
189	Y31G_037_037$_e$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.185	0.375	0.0	41.6	−11.2	24.7	27.2	114.4	0.25	0.375	0.0	39.4	−4.2	23.2	23.6	100.4	7.4	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
190	Y50G_037_025$_e$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.205	0.375	0.124	42.8	−10.2	13.4	16.9	127.2	0.25	0.375	0.125	39.4	−3.5	17.7	18.1	101.1	8.6	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
191	G00B_037_012$_e$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.4	−7.7	2.4	8.1	162.2	0.25	0.375	0.25	40.0	−1.6	10.9	11.0	98.5	11.7	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
192	G50B_037_012$_e$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.343	46.0	−4.5	−3.4	5.6	216.9	0.25	0.375	0.375	40.5	0.2	4.0	4.0	87.0	10.3	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
193	G75B_050_025$_e$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.461	0.5	49.4	−4.9	−10.3	11.4	244.3	0.25	0.375	0.5	40.8	3.5	−4.5	5.8	307.8	13.3	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
194	G84B_062_037$_e$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.5	0.625	50.9	−4.3	−15.4	15.9	254.3	0.25	0.375	0.625	40.7	7.2	−11.9	13.9	301.0	15.7	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
195	G88B_075_050$_e$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.551	0.75	52.8	−3.9	−20.4	20.8	258.9	0.25	0.375	0.75	41.7	10.7	−19.4	22.2	299.0	18.5	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
196	G90B_087_062$_e$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.607	0.875	54.7	−3.7	−25.6	25.8	261.6	0.25	0.375	0.875	41.7	14.8	−26.1	30.1	299.6	22.7	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
197	G92B_100_075$_e$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.664	1.0	56.7	−3.4	−30.7	30.9	263.5	0.25	0.375	1.0	42.1	18.3	−31.8	36.7	299.9	26.2	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
198	Y50G_050_050$_e$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.161	0.5	0.0	43.5	−20.4	26.9	33.8	127.2	0.25	0.5	0.0	43.1	−14.1	28.4	31.7	116.4	6.5	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
199	Y68G_050_037$_e$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.194	0.5	0.124	45.3	−19.1	15.9	24.9	140.0	0.25	0.5	0.125	43.2	−13.5	21.7	25.6	121.9	8.2	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
200	G00B_050_025$_e$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.287	48.7	−15.5	4.9	16.3	162.2	0.25	0.5	0.25	44.2	−10.9	14.5	18.2	126.7	11.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
201	G25B_050_025$_e$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	49.3	−12.1	−2.0	12.3	189.6	0.25	0.5	0.375	44.9	−8.5	6.8	10.9	141.0	10.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
202	G50B_050_025$_e$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.436	49.8	−9.0	−6.8	11.3	216.9	0.25	0.5	0.5	45.1	−5.3	−2.5	5.9	205.3	7.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
203	G65B_062_037$_e$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.625	0.605	54.2	−10.4	−14.5	17.8	234.3	0.25	0.5	0.625	46.3	−2.7	−10.5	10.8	255.5	11.7	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
204	G75B_075_050$_e$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.673	0.75	56.6	−9.9	−20.6	22.9	244.3	0.25	0.5	0.75	46.6	1.2	−18.6	18.6	273.6	15.1	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
205	G80B_087_062$_e$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.703	0.875	58.0	−8.9	−25.7	27.2	250.7	0.25	0.5	0.875	46.6	6.3	−25.4	26.2	283.9	19.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
206	G84B_100_075$_e$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.75	1.0	59.7	−8.6	−30.8	31.9	254.3	0.25	0.5	1.0	47.4	9.7	−31.7	33.1	287.1	22.1	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
207	Y61G_062_062$_e$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.155	0.625	0.0	45.6	−29.6	29.2	41.6	135.4	0.25	0.625	0.0	47.5	−24.9	33.3	41.6	126.7	6.5	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
208	Y76G_062_050$_e$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.179	0.625	0.125	48.1	−27.7	18.7	33.5	145.9	0.25	0.625	0.125	47.9	−23.7	26.3	35.4	132.0	8.5	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
209	G00B_062_037$_e$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.306	52.0	−23.2	7.4	24.4	162.2	0.25	0.625	0.25	48.7	−21.1	18.4	28.0	138.9	11.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
210	G15B_062_037$_e$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.401	52.6	−20.0	0.1	20.0	179.5	0.25	0.625	0.375	49.6	−18.5	9.9	21.0	151.7	10.3	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
211	G34B_062_037$_e$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.472	53.2	−16.5	−5.9	17.6	199.6	0.25	0.625	0.5	50.2	−15.3	−0.6	15.3	182.4	6.1	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
212	G50B_062_037$_e$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.53	53.6	−13.5	−10.2	16.9	216.9	0.25	0.625	0.625	51.0	−11.4	−8.9	14.5	218.0	3.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
213	G61B_075_050$_e$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.75	0.696	58.0	−15.0	−17.7	23.2	229.7	0.25	0.625	0.75	52.3	−8.5	−17.4	19.4	243.9	8.5	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
214	G69B_087_062$_e$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.875	0.871	62.4	−16.1	−25.7	30.3	237.9	0.25	0.625	0.875	52.8	−4.3	−24.8	25.2	260.0	15.1	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
215	G75B_100_075$_e$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.884	1.0	63.9	−14.8	−31.0	34.4	244.3	0.25	0.625	1.0	53.2	0.1	−31.7	31.7	270.2	18.4	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
216	Y68G_075_075$_e$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.138	0.75	0.0	48.4	−38.2	31.9	49.8	140.0	0.25	0.75	0.0	51.1	−32.9	37.5	49.9	131.2	8.1	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
217	Y81G_075_062$_e$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.168	0.75	0.125	50.9	−36.9	21.8	42.8	149.4	0.25	0.75	0.125	51.9	−31.2	30.6	43.7	135.5	10.5	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
218	G00B_075_050$_e$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.25	0.75	0.25	53.0	−27.9	21.7	35.3	142.0	12.4	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
219	G11B_075_050$_e$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.425	55.9	−27.7	2.4	27.8	175.0	0.25	0.75	0.375	53.6	−25.5	12.8	28.5	153.1	10.9	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
220	G25B_075_050$_e$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.501	56.5	−24.3	−4.1	24.6	189.6	0.25	0.75	0.5	54.3	−22.4	1.6	22.5	175.7	6.4	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
221	G38B_075_050$_e$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.566	57.0	−21.0	−9.4	23.0	204.2	0.25	0.75	0.625	55.4	−18.1	−8.0	19.8	203.9	3.5	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
222	G50B_075_050$_e$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.25	0.75	0.75	55.9	−14.3	−16.3	21.7	228.6	4.8	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
223	G59B_087_062$_e$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.875	0.787	61.8	−19.6	−21.0	28.8	227.0	0.25	0.75	0.875	57.2	−10.9	−24.3	26.6	245.8	10.3	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
224	G65B_100_075$_e$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	1.0	0.961	66.2	−20.8	−29.0	35.7	234.3	0.25	0.75	1.0	58.2	−6.9	−31.5	32.2	257.5	16.2	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
225	Y73G_087_087$_e$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.119	0.875	0.0	51.2	−46.7	34.4	58.0	143.5	0.25	0.875	0.0	55.3	−41.3	43.0	59.7	133.8	10.9	142	0.136	1.0	0.0	55.0	−53.4	39.4	66.3	143.5
226	Y85G_087_075$_e$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.157	0.875	0.125	53.7	−46.0	24.7	52.2	151.7	0.25	0.875	0.125	56.0	−39.6	34.6	52.6	138.8	11.9	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
227	G00B_087_062$_e$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.344	58.6	−38.8	12.4	40.7	162.2	0.25	0.875	0.25	57.6	−36.1	25.5	44.2	144.7	13.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
228	G09B_087_062$_e$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.445	59.2	−35.6	4.8	35.9	172.2	0.25	0.875	0.375	58.0	−34.0	15.9	37.5	154.8	11.3	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
229	G19B_087_062$_e$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.524	59.7	−32.4	−1.8	32.4	183.2	0.25	0.875	0.5	58.8	−30.7	5.0	31.1	170.6	7.1	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
230	G30B_087_062$_e$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.599	60.3	−28.7	−8.2	29.8	195.9	0.25	0.875	0.625	59.8	−26.2	−6.7	27.1	194.3	2.9	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
231	G40B_087_062$_e$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.661	60.8	−25.5	−12.9	28.6	206.9	0.25	0.875	0.75	61.0	−21.7	−16.2	27.1	216.7	5.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
232	G50B_087_062$_e$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.717	61.3	−22.6	−17.0	28.3	216.9	0.25	0.875	0.875	61.9	−17.8	−23.7	29.6	233.0	8.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
233	G57B_100_075$_e$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	1.0	0.879	65.6	−24.2	−24.4	34.4	225.1	0.25	0.875	1.0	63.0	−14.2	−31.6	34.7	245.7	12.5	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
234	Y76G_100_100$_e$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.25	1.0	0.0	58.4	−47.3	46.8	66.6	135.3	13.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
235	Y86G_100_087$_e$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.15	1.0	0.125	56.7	−54.7	27.9	61.4	152.9	0.25	1.0	0.125	59.2	−45.5	38.1	59.3	140.0	13.9	148	0.029	1.0	0.0	51.1	−62.5	31.9	70.2	152.9
236	G00B_100_075$_e$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.363	61.9	−46.5	14.9	48.9	162.2	0.25	1.0	0.25	60.7	−42.2	28.2	50.8	146.2	14.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
237	G07B_100_075$_e$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.465	62.5	−43.3	7.3	43.9	170.4	0.25	1.0	0.375	61.4	−39.9	18.6	44.0	154.9	11.9	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
238	G15B_100_075$_e$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.552	63.0	−40.1	0.3	40.1	179.5	0.25	1.0	0.5	62.1	−36.8	7.1	37.5	169.0	7.6	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
239	G25B_100_075$_e$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.626	63.6	−36.4	−6.1	36.9	189.6	0.25	1.0	0.625	63.2	−32.3	−4.5	32.6	187.9	4.4	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
240	G34B_100_075$_e$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.694	64.2	−33.1	−11.8	35.2	199.6	0.25	1.0	0.75	64.5	−27.4	−15.5	31.5	209.5	6.8	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
241	G42B_100_075$_e$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.755	64.7	−30.1	−16.5	34.3	208.7	0.25	1.0	0.875	65.3	−23.3	−24.0	33.5	225.7	10.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
242	G50B_100_075$_e$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.81	65.1	−27.1	−20.4	33.9	216.9	0.25	1.0	1.0	66.5	−19.0	−31.0	36.4	238.5	13.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta $E^{*\prime}$ =** ***13.7***

1−0131431−F0

PE780−7N, Page 15/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

1−0131431−F0

n	HIC^*_{Fe}	rgb_{Fe}			ict_{Fe}			$h_{si_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$					$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
243	R00Y_037_037$_e$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.095	32.3	27.0	12.9	30.0	25.4	0.375	0.0	0.0	31.7	36.2	17.7	40.3	26.1	10.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
244	R18Y_037_037$_e$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.31	32.4	29.2	2.2	29.2	4.3	0.375	0.0	0.125	31.6	36.7	13.2	39.0	19.8	13.4	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
245	B65R_037_037$_e$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.226	0.0	0.375	29.3	24.1	−5.7	24.7	346.6	0.375	0.0	0.25	31.7	38.5	8.1	39.3	11.9	20.1	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
246	B50R_037_037$_e$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.12	0.0	0.375	26.9	17.9	−10.9	20.9	328.6	0.375	0.0	0.375	31.7	39.8	3.0	39.9	4.3	26.4	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
247	B38R_050_050$_e$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.067	0.0	0.5	26.1	18.2	−18.0	25.7	315.3	0.375	0.0	0.5	32.2	42.9	−3.3	43.0	355.5	29.3	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
248	B30R_062_062$_e$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.005	0.0	0.625	24.9	18.7	−25.1	31.3	306.8	0.375	0.0	0.625	32.4	45.1	−9.5	46.1	348.0	31.5	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
249	B25R_075_075$_e$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.0	0.079	0.75	27.1	17.6	−30.2	35.0	300.1	0.375	0.0	0.75	32.5	47.1	−15.8	49.6	341.4	33.2	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
250	B20R_087_087$_e$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.0	0.151	0.875	29.5	16.8	−35.3	39.1	295.4	0.375	0.0	0.875	32.6	49.3	−21.4	53.8	336.5	35.5	260	0.0	0.173	1.0	30.2	19.2	−40.4	44.7	295.4
251	B18R_100_100$_e$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5	0.375	0.0	1.0	32.7	51.8	−26.0	58.0	333.3	37.9	258	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5
252	R31Y_037_037$_e$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.092	0.0	35.3	19.6	20.7	28.5	46.6	0.375	0.125	0.0	34.8	28.0	21.3	35.2	37.3	8.4	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
253	R00Y_037_025$_e$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.188	38.6	18.0	8.6	20.0	25.4	0.375	0.125	0.125	35.1	28.3	16.7	32.9	30.6	13.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
254	R00Y_037_025$_e$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.309	0.124	0.375	37.5	17.6	−2.4	17.7	352.0	0.375	0.125	0.25	35.3	29.6	10.7	31.5	19.8	17.9	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
255	B50R_037_025$_e$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.205	0.124	0.375	34.9	11.9	−7.2	13.9	328.6	0.375	0.125	0.375	35.5	31.2	5.0	31.6	9.2	22.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
256	B34R_050_037$_e$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.149	0.124	0.5	34.0	12.3	−14.4	19.0	310.5	0.375	0.125	0.5	36.2	33.7	−2.3	33.7	355.9	24.6	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
257	B25R_062_050$_e$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.125	0.177	0.625	35.1	11.7	−20.1	23.3	300.1	0.375	0.125	0.625	36.2	35.2	−9.0	36.3	345.6	26.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
258	B19R_075_062$_e$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.125	0.248	0.75	37.4	11.0	−25.2	27.5	293.5	0.375	0.125	0.75	36.6	37.1	−15.7	40.3	337.0	27.8	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
259	B15R_087_075$_e$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.311	0.875	39.6	10.8	−30.1	32.0	289.7	0.375	0.125	0.875	36.9	39.8	−21.4	45.2	331.6	30.4	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
260	B13R_100_087$_e$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.37	1.0	41.6	10.7	−35.3	36.9	286.9	0.375	0.125	1.0	36.8	42.2	−26.6	49.9	327.7	33.0	254	0.0	0.281	1.0	33.9	12.2	−40.3	42.2	286.9
261	R68Y_037_037$_e$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.203	0.0	40.5	9.2	26.9	28.4	71.1	0.375	0.25	0.0	39.9	16.0	27.6	31.9	59.7	6.9	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
262	R50Y_037_025$_e$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.224	0.124	42.2	9.5	15.8	18.5	58.8	0.375	0.25	0.125	39.9	17.1	21.7	27.7	51.6	9.9	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
263	R00Y_037_012$_e$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.281	44.8	9.0	4.3	10.0	25.4	0.375	0.25	0.25	40.0	18.4	15.1	23.9	39.3	15.1	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
264	B50R_037_012$_e$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.29	0.249	0.375	43.0	5.9	−3.6	6.9	328.6	0.375	0.25	0.375	40.7	19.7	8.1	21.3	22.2	18.2	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
265	B25R_050_025$_e$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.249	0.276	0.5	43.1	5.8	−10.0	11.6	300.1	0.375	0.25	0.5	41.2	22.1	−0.1	22.1	359.5	19.1	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
266	B15R_062_037$_e$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.343	0.625	45.3	5.4	−15.0	16.0	289.7	0.375	0.25	0.625	41.6	23.9	−7.1	25.0	343.2	20.5	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
267	B11R_075_050$_e$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.401	0.75	47.3	5.4	−20.2	20.9	285.0	0.375	0.25	0.75	42.1	26.2	−14.0	29.7	331.7	22.2	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
268	B09R_087_062$_e$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.459	0.875	49.4	5.4	−25.2	25.8	282.1	0.375	0.25	0.875	42.9	28.9	−20.3	35.3	324.8	24.8	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
269	B07R_100_075$_e$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.517	1.0	51.4	5.4	−30.2	30.7	280.2	0.375	0.25	1.0	43.1	31.3	−26.0	40.7	320.3	27.5	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
270	Y00G_037_037$_e$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.329	0.0	46.5	−1.3	33.9	33.9	92.3	0.375	0.375	0.0	44.1	6.7	33.2	33.8	78.5	8.4	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
271	Y00G_037_025$_e$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.344	0.124	48.0	−0.9	22.6	22.6	92.3	0.375	0.375	0.125	44.5	7.0	26.3	27.2	75.0	9.4	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
272	Y00G_037_012$_e$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.359	0.249	49.5	−0.4	11.3	11.3	92.3	0.375	0.375	0.25	44.7	8.5	18.5	20.4	65.3	12.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
273	NW_037$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.3	10.0	11.0	14.9	47.8	16.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
274	B00R_050_012$_e$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.432	0.5	53.0	0.1	−5.0	5.0	271.7	0.375	0.375	0.5	46.1	12.2	2.1	12.3	10.0	15.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
275	B00R_062_025$_e$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.489	0.625	55.0	0.3	−10.1	10.1	271.7	0.375	0.375	0.625	46.7	14.8	−5.3	15.7	340.2	17.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
276	B00R_075_037$_e$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.546	0.75	57.0	0.4	−15.2	15.2	271.7	0.375	0.375	0.75	47.4	17.2	−12.5	21.3	323.8	19.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
277	B00R_087_050$_e$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.604	0.875	59.0	0.6	−20.3	20.3	271.7	0.375	0.375	0.875	48.1	19.9	−19.3	27.7	315.9	22.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
278	B00R_100_062$_e$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.661	1.0	61.0	0.7	−25.4	25.4	271.7	0.375	0.375	1.0	48.4	23.0	−25.3	34.2	312.3	25.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
279	Y23G_050_050$_e$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.302	0.5	0.0	49.4	−12.5	37.1	39.2	108.6	0.375	0.5	0.0	49.1	−2.0	38.9	38.9	92.9	10.6	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
280	Y31G_050_037$_e$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.31	0.5	0.124	50.5	−11.2	24.7	27.2	114.4	0.375	0.5	0.125	49.5	−1.7	31.0	31.0	93.2	11.4	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
281	Y50G_050_025$_e$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.33	0.5	0.249	51.7	−10.2	13.4	16.9	127.2	0.375	0.5	0.25	49.7	−0.9	22.3	22.3	92.5	12.9	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
282	G00B_050_012$_e$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.3	−7.7	2.4	8.1	162.2	0.375	0.5	0.375	50.4	0.8	13.6	13.6	86.3	14.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
283	G50B_050_012$_e$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.468	54.9	−4.5	−3.4	5.6	216.9	0.375	0.5	0.5	51.1	2.9	4.1	5.0	54.4	11.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
284	G75B_062_025$_e$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.586	0.625	58.3	−4.9	−10.3	11.4	244.3	0.375	0.5	0.625	51.7	5.8	−4.1	7.1	324.8	14.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
285	G84B_075_037$_e$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.625	0.75	59.8	−4.3	−15.4	15.9	254.3	0.375	0.5	0.75	52.4	8.7	−11.9	14.7	306.3	15.4	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
286	G88B_087_050$_e$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.676	0.875	61.7	−3.9	−20.4	20.8	258.9	0.375	0.5	0.875	52.9	12.1	−18.6	22.2	303.1	18.5	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
287	G90B_100_062$_e$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.732	1.0	63.6	−3.7	−25.6	25.8	261.6	0.375	0.5	1.0	53.6	15.1	−25.2	29.4	301.0	21.4	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
288	Y38G_062_062$_e$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.258	0.625	0.0	51.1	−21.2	38.0	43.5	119.1	0.375	0.625	0.0	54.2	−12.9	44.7	46.5	106.1	11.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
289	Y50G_062_050$_e$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.286	0.625	0.125	52.4	−20.4	26.9	33.8	127.2	0.375	0.625	0.125	54.5	−12.7	36.0	38.2	109.5	12.1	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
290	Y68G_062_037$_e$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.319	0.625	0.25	54.2	−19.1	15.9	24.9	140.0	0.375	0.625	0.25	54.9	−11.6	26.1	28.6	114.0	12.5	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
291	G00B_062_025$_e$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.412	57.6	−15.5	4.9	16.3	162.2	0.375	0.625	0.375	55.9	−9.5	17.1	19.6	119.2	13.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
292	G25B_062_025$_e$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	58.2	−12.1	−2.0	12.3	189.6	0.375	0.625	0.5	56.6	−7.0	7.0	9.9	134.9	10.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
293	G50B_062_025$_e$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.561	58.7	−9.0	−6.8	11.3	216.9	0.375	0.625	0.625	57.2	−4.2	−1.9	4.6	204.4	7.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
294	G65B_075_037$_e$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.75	0.73	63.1	−10.4	−14.5	17.8	234.3	0.375	0.625	0.75	58.8	−1.4	−10.4	10.5	261.9	10.7	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
295	G75B_087_050$_e$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.798	0.875	65.5	−9.9	−20.6	22.9	244.3	0.375	0.625	0.875	59.6	1.8	−17.6	17.7	275.8	13.5	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
296	G80B_100_062$_e$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.828	1.0	66.9	−8.9	−25.7	27.2	250.7	0.375	0.625	1.0	59.6	5.5	−24.8	25.4	282.6	16.2	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
297	Y50G_075_075$_e$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.241	0.75	0.0	53.0	−30.7	40.3	50.7	127.2	0.375	0.75	0.0	57.8	−21.0	48.5	52.9	113.4	13.5	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
298	Y61G_075_062$_e$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.28	0.75	0.125	54.5	−29.6	29.2	41.6	135.4	0.375	0.75	0.125	58.1	−20.5	39.0	44.1	117.7	13.8	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
299	Y76G_075_050$_e$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.304	0.75	0.25	57.0	−27.7	18.7	33.5	145.9	0.375	0.75	0.25	58.8	−19.1	28.6	34.4	123.7	13.2	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
300	G00B_075_037$_e$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.431	60.9	−23.2	7.4	24.4	162.2	0.375	0.75	0.375	59.8	−16.7	19.6	25.7	130.3	13.8	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
301	G15B_075_037$_e$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.526	61.5	−20.0	0.1	20.0	179.5	0.375	0.75	0.5	60.7	−14.2	9.9	17.3	145.1	11.3	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
302	G34B_075_037$_e$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.597	62.1	−16.5	−5.9	17.6	199.6	0.375	0.75	0.625	61.7	−11.2	−1.3	11.3	186.7	7.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
303	G50B_075_037$_e$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.655	62.5	−13.5	−10.2	16.9	216.9	0.375	0.75	0.75	62.6	−8.1	−9.5	12.5	229.4	5.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
304	G61B_087_050$_e$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.875	0.821	66.9	−15.0	−17.7	23.2	229.7	0.375	0.75	0.875	64.3	−5.6	−17.1	18.0	251.7	9.7	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
305	G69B_100_062$_e$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	1.0	0.996	71.3	−16.1	−25.7	30.3	237.9	0.375	0.75	1.0	65.2	−2.3	−24.3	24.4	264.5	15.1	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
306	Y58G_087_087$_e$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.236	0.875	0.0	55.1	−39.9	42.7	58.5	133.0	0.375	0.875	0.0	62.1	−29.7	53.7	61.4	118.9	16.5	134	0.269	1.0	0.0	59.5	−45.7	48.8	66.9	133.0
307	Y68G_087_075$_e$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.263	0.875	0.125	57.3	−38.2	31.9	49.8	140.0	0.375	0.875	0.125	62.6	−28.9	43.3	52.1	123.7	15.6	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
308	Y81G_087_062$_e$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.293	0.875	0.25	59.8	−36.9	21.8	42.8	149.4	0.375	0.875	0.25	63.2	−27.1	32.3	42.2	130.0	14.7	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
309	G00B_087_050$_e$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.45	64.2	−31.0	9.9	32.6	162.2	0.375	0.875	0.375	64.5	−24.4	21.9	32.8	138.1	13.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
310	G11B_087_050$_e$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.55	64.8	−27.7	2.4	27.8	175.0	0.375	0.875	0.5	65.5	−22.3	11.8	25.2	152.1	10.8	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
311	G25B_087_050$_e$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.626	65.4	−24.3	−4.1	24.6	189.6	0.375	0.875	0.625	66.7	−18.9	1.0	19.0	176.7	7.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
312	G38B_087_050$_e$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.691	65.9	−21.0	−9.4	23.0	204.2	0.375	0.875	0.75	67.7	−15.6	−8.7	17.8	209.3	5.7	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
313	G50B_087_050$_e$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.748	66.4	−18.1	−13.6	22.6	216.9	0.375	0.875	0.875	68.8	−12.4	−16.2	20.5	232.5	6.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
314	G59B_100_062$_e$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	1.0	0.912	70.7	−19.6	−21.0	28.8	227.0	0.375	0.875	1.0	69.9	−9.2	−24.1	25.8	249.1	10.8	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
315	Y63G_100_100$_e$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5	0.375	1.0	0.0	65.7	−35.6	58.3	68.3	121.4	19.5	137	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5
316	Y73G_100_087$_e$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.244	1.0	0.125	60.1	−46.7	34.4	58.0	143.5	0.375	1.0	0.125	65.8	−35.4	46.5	58.5	127.2	17.4	142	0.136	1.0	0.0	55.0	−53.4	39.4	66.3	143.5
317	Y85G_100_075$_e$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.282	1.0	0.25	62.6	−46.0	24.7	52.2	151.7	0.375	1.0	0.25	66.8	−33.2	35.4	48.6	133.1	17.2	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
318	G00B_100_062$_e$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.469	67.5	−38.8	12.4	40.7	162.2	0.375	1.0	0.375	68.2	−30.7	24.8	39.5	140.9	14.8	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
319	G09B_100_062$_e$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.57	68.1	−35.6	4.8	35.9	172.2	0.375	1.0	0.5	69.1	−28.5	14.1	31.8	153.5	11.7	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
320	G19B_100_062$_e$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.649	68.6	−32.4	−1.8	32.4	183.2	0.375	1.0	0.625	70.3	−25.3	3.8	25.6	171.3	9.1	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
321	G30B_100_062$_e$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.724	69.2	−28.7	−8.2	29.8	195.9	0.375	1.0	0.75	71.7	−21.5	−7.4	22.7	198.9	7.6	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
322	G40B_100_062$_e$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.786	69.8	−25.5	−12.9	28.6	206.9	0.375	1.0	0.875	72.9	−18.0	−16.1	24.1	221.8	8.7	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
323	G50B_100_062$_e$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.842	70.2	−22.6	−17.0	28.3	216.9	0.375	1.0	1.0	73.8	−14.5	−23.5	27.6	238.1	10.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: delta $E^{*\prime}$ = ***16.2***

1−0131531−F0

PE780−7N, Page 16/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

1−0131531−F0

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/26

n	HIC*Fe	rgb_Fe			ict_Fe			hsi_F,e	rgb*Fe			LabCh*Fe				
324	R00Y_050_050e	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4
325	R26Y_050_050e	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.328	35.1	38.0	6.6	38.6	9.8
326	R00Y_050_050e	0.5	0.0	0.25	0.5	0.5	0.25	360	0.368	0.0	0.5	32.8	35.2	−4.9	35.5	352.0
327	B61R_050_050e	0.5	0.0	0.375	0.5	0.5	0.25	344	0.261	0.0	0.5	30.2	29.9	−9.8	31.5	341.8
328	B50R_050_050e	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6
329	B40R_062_062e	0.5	0.0	0.625	0.625	0.625	0.312	319	0.114	0.0	0.625	26.8	24.2	−21.7	32.5	318.1
330	B34R_075_075e	0.5	0.0	0.75	0.75	0.75	0.375	311	0.048	0.0	0.75	25.9	24.7	−28.8	38.0	310.5
331	B29R_087_087e	0.5	0.0	0.875	0.875	0.875	0.437	305	0.0	0.02	0.875	25.5	24.7	−35.4	43.1	304.9
332	B25R_100_100e	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
333	R23Y_050_050e	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.083	0.0	37.4	29.6	25.8	39.3	41.0
334	R00Y_050_037e	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.22	41.2	27.0	12.9	30.0	25.4
335	R18Y_050_037e	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.435	41.3	29.2	2.2	29.2	4.3
336	B65R_050_037e	0.5	0.125	0.375	0.5	0.375	0.312	349	0.351	0.124	0.5	38.2	24.1	−5.7	24.7	346.6
337	B50R_050_037e	0.5	0.125	0.5	0.5	0.375	0.312	330	0.245	0.124	0.5	35.8	17.9	−10.9	20.9	328.6
338	B38R_062_050e	0.5	0.125	0.625	0.625	0.5	0.375	316	0.192	0.125	0.625	35.0	18.2	−18.0	25.7	315.3
339	B30R_075_062e	0.5	0.125	0.75	0.75	0.625	0.437	307	0.13	0.125	0.75	33.8	18.7	−25.1	31.3	306.8
340	B25R_087_075e	0.5	0.125	0.875	0.875	0.75	0.5	300	0.125	0.204	0.875	36.0	17.6	−30.2	35.0	300.1
341	B20R_100_087e	0.5	0.125	1.0	1.0	0.875	0.562	295	0.125	0.276	1.0	38.4	16.8	−35.3	39.1	295.4
342	R50Y_050_050e	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.199	0.0	42.3	19.1	31.7	37.0	58.8
343	R31Y_050_037e	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.217	0.124	44.2	19.6	20.7	28.5	46.6
344	R00Y_050_025e	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.313	47.5	18.0	8.6	20.0	25.4
345	R00Y_050_025e	0.5	0.25	0.375	0.5	0.25	0.375	360	0.434	0.249	0.5	46.4	17.6	−2.4	17.7	352.0
346	B50R_050_025e	0.5	0.25	0.5	0.5	0.25	0.375	330	0.33	0.249	0.5	43.8	11.9	−7.2	13.9	328.6
347	B34R_062_037e	0.5	0.25	0.625	0.625	0.375	0.437	311	0.274	0.25	0.625	42.9	12.3	−14.4	19.0	310.5
348	B25R_075_050e	0.5	0.25	0.75	0.75	0.5	0.5	300	0.25	0.302	0.75	44.0	11.7	−20.1	23.3	300.1
349	B19R_087_062e	0.5	0.25	0.875	0.875	0.625	0.562	293	0.25	0.373	0.875	46.4	11.0	−25.2	27.5	293.5
350	B15R_100_075e	0.5	0.25	1.0	1.0	0.75	0.625	289	0.25	0.436	1.0	48.5	10.8	−30.1	32.0	289.7
351	R76Y_050_050e	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.302	0.0	47.6	8.9	37.9	38.9	76.7
352	R68Y_050_037e	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.328	0.124	49.4	9.2	26.9	28.4	71.1
353	R50Y_050_025e	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.349	0.249	51.1	9.5	15.8	18.5	58.8
354	R00Y_050_012e	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.406	53.7	9.0	4.3	10.0	25.4
355	B50R_050_012e	0.5	0.375	0.5	0.5	0.125	0.437	330	0.415	0.375	0.5	51.9	5.9	−3.6	6.9	328.6
356	B25R_062_025e	0.5	0.375	0.625	0.625	0.25	0.5	300	0.375	0.401	0.625	52.0	5.8	−10.0	11.6	300.1
357	B15R_075_037e	0.5	0.375	0.75	0.75	0.375	0.562	289	0.375	0.468	0.75	54.2	5.4	−15.0	16.0	289.7
358	B11R_087_050e	0.5	0.375	0.875	0.875	0.5	0.625	284	0.375	0.526	0.875	56.2	5.4	−20.2	20.9	285.0
359	B09R_100_062e	0.5	0.375	1.0	1.0	0.625	0.687	281	0.375	0.584	1.0	58.3	5.4	−25.2	25.8	282.1
360	Y00G_050_050e	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3
361	Y00G_050_037e	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.454	0.124	55.5	−1.3	33.9	33.9	92.3
362	Y00G_050_025e	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.469	0.249	57.0	−0.9	22.6	22.6	92.3
363	Y00G_050_012e	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.484	0.375	58.5	−0.4	11.3	11.3	92.3
364	NW_050e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
365	B00R_062_012e	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.557	0.625	61.9	0.1	−5.0	5.0	271.7
366	B00R_075_025e	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.614	0.75	63.9	0.3	−10.1	10.1	271.7
367	B00R_087_037e	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.671	0.875	65.9	0.4	−15.2	15.2	271.7
368	B00R_100_050e	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7
369	Y18G_062_062e	0.5	0.625	0.0	0.625	0.625	0.312	101	0.424	0.625	0.0	57.6	−13.3	49.4	51.2	105.1
370	Y23G_062_050e	0.5	0.625	0.125	0.625	0.5	0.375	104	0.427	0.625	0.125	58.3	−12.5	37.1	39.2	108.6
371	Y31G_062_037e	0.5	0.625	0.25	0.625	0.375	0.437	109	0.435	0.625	0.25	59.4	−11.2	24.7	27.2	114.4
372	Y50G_062_025e	0.5	0.625	0.375	0.625	0.25	0.5	120	0.455	0.625	0.375	60.6	−10.2	13.4	16.9	127.2
373	G00B_062_012e	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.2	−7.7	2.4	8.1	162.2
374	G50B_062_012e	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.593	63.8	−4.5	−3.4	5.6	216.9
375	G75B_075_025e	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.711	0.75	67.2	−4.9	−10.3	11.4	244.3
376	G84B_087_037e	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.75	0.875	68.8	−4.3	−15.4	15.9	254.3
377	G88B_100_050e	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.801	1.0	70.6	−3.9	−20.4	20.8	258.9
378	Y31G_075_075e	0.5	0.75	0.0	0.75	0.75	0.375	109	0.37	0.75	0.0	58.8	−22.5	49.5	54.4	114.4
379	Y38G_075_062e	0.5	0.75	0.125	0.75	0.625	0.437	113	0.383	0.75	0.125	60.0	−21.2	38.0	43.5	119.1
380	Y50G_075_050e	0.5	0.75	0.25	0.75	0.5	0.5	120	0.411	0.75	0.25	61.3	−20.4	26.9	33.8	127.2
381	Y68G_075_037e	0.5	0.75	0.375	0.75	0.375	0.562	131	0.444	0.75	0.375	63.1	−19.1	15.9	24.9	140.0
382	G00B_075_025e	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.537	66.5	−15.5	4.9	16.3	162.2
383	G25B_075_025e	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	67.1	−12.1	−2.0	12.3	189.6
384	G50B_075_025e	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.686	67.6	−9.0	−6.8	11.3	216.9
385	G65B_087_037e	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.875	0.855	72.0	−10.4	−14.5	17.8	234.3
386	G75B_100_050e	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.923	1.0	74.4	−9.9	−20.6	22.9	244.3
387	Y41G_087_087e	0.5	0.875	0.0	0.875	0.875	0.437	115	0.327	0.875	0.0	60.5	−31.1	51.0	59.7	121.4
388	Y50G_087_075e	0.5	0.875	0.125	0.875	0.75	0.5	120	0.366	0.875	0.125	61.9	−30.7	40.3	50.7	127.2
389	Y61G_087_062e	0.5	0.875	0.25	0.875	0.625	0.562	127	0.405	0.875	0.25	63.4	−29.6	29.2	41.6	135.4
390	Y76G_087_050e	0.5	0.875	0.375	0.875	0.5	0.625	136	0.429	0.875	0.375	65.9	−27.7	18.7	33.5	145.9
391	G00B_087_037e	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.556	69.8	−23.2	7.4	24.4	162.2
392	G15B_087_037e	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.651	70.4	−20.0	0.1	20.0	179.5
393	G34B_087_037e	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.722	71.0	−16.5	−5.9	17.6	199.6
394	G50B_087_037e	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.78	71.4	−13.5	−10.2	16.9	216.9
395	G61B_100_050e	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	1.0	0.946	75.8	−15.0	−17.7	23.2	229.7
396	Y50G_100_100e	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
397	Y58G_100_087e	0.5	1.0	0.125	1.0	0.875	0.562	125	0.361	1.0	0.125	64.0	−39.9	42.7	58.5	133.0
398	Y68G_100_075e	0.5	1.0	0.25	1.0	0.75	0.625	131	0.388	1.0	0.25	66.2	−38.2	31.9	49.8	140.0
399	Y81G_100_062e	0.5	1.0	0.375	1.0	0.625	0.687	139	0.418	1.0	0.375	68.7	−36.9	21.8	42.8	149.4
400	G00B_100_050e	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2
401	G11B_100_050e	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.675	73.7	−27.7	2.4	27.8	175.0
402	G25B_100_050e	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.751	74.3	−24.3	−4.1	24.6	189.6
403	G38B_100_050e	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.816	74.8	−21.0	−9.4	23.0	204.2
404	G50B_100_050e	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9

n	rgb*'Fe			LabCh*'Fe					DE*'Fe	hsiM,e
324	0.5	0.0	0.0	34.8	44.7	22.4	50.0	26.6	10.0	375
325	0.5	0.0	0.125	34.7	45.7	18.0	49.1	21.5	13.7	349
326	0.5	0.0	0.25	34.8	46.7	12.4	48.3	14.9	20.9	315
327	0.5	0.0	0.375	34.8	48.4	6.7	48.9	7.8	25.2	301
328	0.5	0.0	0.5	35.0	49.8	0.6	49.8	0.7	31.0	288
329	0.5	0.0	0.625	35.3	52.5	−4.7	52.7	354.8	34.0	279
330	0.5	0.0	0.75	35.7	54.4	−10.3	55.4	349.2	36.3	273
331	0.5	0.0	0.875	35.8	56.7	−15.7	58.8	344.4	38.9	268
332	0.5	0.0	1.0	35.6	58.6	−20.7	62.1	340.5	40.9	264
333	0.5	0.125	0.0	38.2	36.5	26.8	45.3	36.2	7.0	38
334	0.5	0.125	0.125	38.6	36.6	21.7	42.6	30.7	13.2	375
335	0.5	0.125	0.25	38.5	37.3	15.9	40.6	23.1	16.2	339
336	0.5	0.125	0.375	38.8	39.2	8.8	40.2	12.6	21.0	306
337	0.5	0.125	0.5	39.3	40.7	1.9	40.8	2.7	26.4	288
338	0.5	0.125	0.625	39.5	42.6	−4.1	42.8	354.3	28.4	277
339	0.5	0.125	0.75	40.4	44.7	−10.1	45.8	347.1	30.6	270
340	0.5	0.125	0.875	40.2	46.8	−16.1	49.5	340.9	32.7	264
341	0.5	0.125	1.0	40.3	48.4	−21.7	53.0	335.8	34.5	260
342	0.5	0.25	0.0	43.4	24.2	33.3	41.2	53.9	5.5	53
343	0.5	0.25	0.125	43.4	25.3	26.7	36.8	46.5	8.3	43
344	0.5	0.25	0.25	44.0	25.7	19.7	32.4	37.4	13.9	375
345	0.5	0.25	0.375	44.3	27.0	12.6	29.8	25.1	17.9	315
346	0.5	0.25	0.5	44.8	28.7	4.6	29.0	9.2	20.6	288
347	0.5	0.25	0.625	45.5	30.6	−2.0	30.7	356.0	22.1	273
348	0.5	0.25	0.75	45.9	32.2	−9.6	33.6	343.4	23.1	264
349	0.5	0.25	0.875	46.1	34.4	−15.8	37.9	335.2	25.2	259
350	0.5	0.25	1.0	46.6	36.7	−21.3	42.4	329.8	27.4	256
351	0.5	0.375	0.0	48.2	12.8	39.3	41.4	71.8	4.2	66
352	0.5	0.375	0.125	48.7	13.5	32.0	34.7	67.1	6.6	62
353	0.5	0.375	0.25	48.7	15.3	23.6	28.1	56.9	9.9	53
354	0.5	0.375	0.375	49.3	16.6	15.4	22.7	42.7	14.1	375
355	0.5	0.375	0.5	50.0	18.1	6.9	19.4	21.0	16.3	288
356	0.5	0.375	0.625	50.6	20.3	−0.7	20.3	357.8	17.2	264
357	0.5	0.375	0.75	51.3	22.1	−8.5	23.7	338.9	18.2	256
358	0.5	0.375	0.875	51.7	24.3	−15.1	28.6	328.0	20.1	252
359	0.5	0.375	1.0	52.1	26.7	−21.3	34.2	321.4	22.5	250
360	0.5	0.5	0.0	52.6	3.9	44.2	44.3	84.8	6.0	83
361	0.5	0.5	0.125	53.0	4.5	36.2	36.5	82.8	6.8	83
362	0.5	0.5	0.25	53.6	5.7	27.6	28.2	78.1	9.0	83
363	0.5	0.5	0.375	54.5	6.9	19.0	20.2	69.9	11.4	83
364	0.5	0.5	0.5	55.1	8.8	9.3	12.8	46.5	13.7	360
365	0.5	0.5	0.625	55.7	11.2	0.8	11.2	4.5	14.0	242
366	0.5	0.5	0.75	56.5	13.3	−7.1	15.1	331.7	15.2	242
367	0.5	0.5	0.875	57.2	15.8	−14.2	21.3	318.1	17.7	242
368	0.5	0.5	1.0	57.9	18.3	−20.7	27.7	311.4	20.3	242
369	0.5	0.625	0.0	58.2	−6.1	51.8	52.1	96.8	7.5	108
370	0.5	0.625	0.125	58.8	−5.8	42.5	42.9	97.8	8.5	113
371	0.5	0.625	0.25	59.3	−4.8	32.3	32.7	98.5	9.9	120
372	0.5	0.625	0.375	59.7	−3.4	22.2	22.4	98.7	11.1	131
373	0.5	0.625	0.5	60.6	−1.5	12.5	12.6	96.8	12.1	158
374	0.5	0.625	0.625	61.5	0.8	3.2	3.3	75.1	8.8	195
375	0.5	0.625	0.75	62.5	3.3	−5.3	6.2	301.9	10.7	218
376	0.5	0.625	0.875	63.0	6.3	−13.2	14.7	295.4	12.2	229
377	0.5	0.625	1.0	63.6	9.5	−20.1	22.3	295.2	15.2	233
378	0.5	0.75	0.0	62.5	−13.9	56.8	58.5	103.8	11.8	120
379	0.5	0.75	0.125	63.2	−13.1	47.0	48.8	105.6	12.4	125
380	0.5	0.75	0.25	63.2	−12.6	35.5	37.7	109.6	11.8	131
381	0.5	0.75	0.375	63.8	−11.2	24.9	27.3	114.2	11.9	139
382	0.5	0.75	0.5	65.3	−8.8	14.7	17.1	120.9	11.8	158
383	0.5	0.75	0.625	66.0	−6.3	5.0	8.1	141.1	9.2	180
384	0.5	0.75	0.75	66.9	−3.4	−4.3	5.5	231.2	6.1	195
385	0.5	0.75	0.875	68.2	−1.2	−12.1	12.2	263.9	10.1	207
386	0.5	0.75	1.0	69.0	1.8	−19.7	19.8	275.2	12.9	218
387	0.5	0.875	0.0	67.4	−22.7	62.6	66.6	109.9	15.9	128
388	0.5	0.875	0.125	67.5	−22.5	51.0	55.8	113.8	14.5	131
389	0.5	0.875	0.25	67.7	−21.8	39.0	44.7	119.1	13.3	136
390	0.5	0.875	0.375	68.8	−20.0	27.8	34.3	125.6	12.2	144
391	0.5	0.875	0.5	70.0	−17.4	16.9	24.3	135.7	11.1	158
392	0.5	0.875	0.625	71.1	−14.7	6.9	16.3	154.7	8.6	173
393	0.5	0.875	0.75	72.4	−11.6	−3.5	12.2	196.9	5.6	186
394	0.5	0.875	0.875	73.5	−8.9	−11.4	14.5	231.9	5.1	195
395	0.5	0.875	1.0	74.6	−6.0	−19.4	20.3	252.6	9.1	204
396	0.5	1.0	0.0	70.6	−29.7	66.5	72.8	114.0	18.7	131
397	0.5	1.0	0.125	70.8	−29.2	54.6	61.9	118.1	17.3	134
398	0.5	1.0	0.25	71.4	−28.0	42.3	50.8	123.5	15.3	139
399	0.5	1.0	0.375	72.3	−26.4	31.2	40.9	130.3	14.4	146
400	0.5	1.0	0.5	73.9	−23.7	19.9	31.0	140.0	12.3	158
401	0.5	1.0	0.625	75.1	−21.0	9.4	23.1	155.8	9.8	170
402	0.5	1.0	0.75	76.3	−18.0	−1.1	18.1	183.7	7.1	180
403	0.5	1.0	0.875	77.5	−14.9	−10.4	18.2	215.0	6.7	188
404	0.5	1.0	1.0	78.7	−11.6	−18.3	21.7	237.6	8.7	195

Mean color difference of this page: **delta $E^{*\prime}$ =** ***15.7***

n	rgb*Me			LabCh*Me				
324	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
325	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
326	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
327	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
328	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
329	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
330	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
331	0.0	0.022	1.0	25.7	28.2	−40.4	49.3	304.9
332	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
333	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
334	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
335	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
336	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
337	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
338	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
339	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
340	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
341	0.0	0.173	1.0	30.2	19.2	−40.4	44.7	295.4
342	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
343	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
344	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
345	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
346	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
347	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
348	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
349	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
350	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
351	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
352	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
353	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
354	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
355	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
356	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
357	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
358	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
359	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
360	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
361	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
362	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
363	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
364	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
365	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
366	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
367	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
368	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
369	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
370	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
371	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
372	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
373	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
374	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
375	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
376	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
377	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
378	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
379	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
380	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
381	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
382	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
383	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
384	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
385	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
386	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
387	0.374	1.0	0.0	65.7	−35.6	58.2	68.3	121.4
388	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
389	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
390	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
391	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
392	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
393	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
394	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
395	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
396	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
397	0.269	1.0	0.0	59.5	−45.7	48.8	66.9	133.0
398	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
399	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
400	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
401	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
402	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
403	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
404	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

1−0131631−F0

PE780−7N, Page 17/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

1−0131631−F0

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/26

n	HIC*Fe	rgb_Fe			ict_Fe			hsi_F,e	rgb*Fe			LabCh*Fe				
405	R00Y_062_062$_e$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.159	37.6	45.1	21.5	50.0	25.4
406	R31Y_062_062$_e$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.356	37.8	46.9	11.0	48.2	13.2
407	R11Y_062_062$_e$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.624	37.9	49.5	−0.1	49.5	359.8
408	B69R_062_062$_e$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.432	0.0	0.625	34.2	42.8	−7.2	43.4	350.4
409	B59R_062_062$_e$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.296	0.0	0.625	31.0	35.7	−13.7	38.3	339.0
410	B50R_062_062$_e$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.201	0.0	0.625	28.5	29.8	−18.2	34.9	328.6
411	B42R_075_075$_e$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.161	0.0	0.75	27.5	30.2	−25.3	39.4	320.0
412	B36R_087_087$_e$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.092	0.0	0.875	27.0	30.7	−32.4	44.7	313.4
413	B31R_100_100$_e$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
414	R18Y_062_062$_e$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.072	0.0	39.5	39.6	30.6	50.1	37.7
415	R00Y_062_050$_e$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.252	43.9	36.1	17.2	40.0	25.4
416	R26Y_062_050$_e$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.453	44.0	38.0	6.6	38.6	9.8
417	R00Y_062_050$_e$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.493	0.125	0.625	41.8	35.2	−4.9	35.5	352.0
418	B61R_062_050$_e$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.386	0.125	0.625	39.1	29.9	−9.8	31.5	341.8
419	B50R_062_050$_e$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.285	0.125	0.625	36.6	23.8	−14.5	27.9	328.6
420	B40R_075_062$_e$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.239	0.125	0.75	35.7	24.2	−21.7	32.5	318.1
421	B34R_087_075$_e$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.173	0.125	0.875	34.9	24.7	−28.8	38.0	310.5
422	B29R_100_087$_e$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.125	0.145	1.0	34.4	24.7	−35.4	43.1	304.9
423	R38Y_062_062$_e$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.188	0.0	44.1	29.5	36.5	46.9	51.0
424	R23Y_062_050$_e$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.208	0.125	46.3	29.6	25.8	39.3	41.0
425	R00Y_062_037$_e$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.345	50.1	27.0	12.9	30.0	25.4
426	R18Y_062_037$_e$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.56	50.2	29.2	2.2	29.2	4.3
427	B65R_062_037$_e$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.476	0.25	0.625	47.1	24.1	−5.7	24.7	346.6
428	B50R_062_037$_e$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.37	0.25	0.625	44.7	17.9	−10.9	20.9	328.6
429	B38R_075_050$_e$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.317	0.25	0.75	43.9	18.2	−18.0	25.7	315.3
430	B30R_087_062$_e$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.255	0.25	0.875	42.7	18.7	−25.1	31.3	306.8
431	B25R_100_075$_e$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.25	0.329	1.0	44.9	17.6	−30.2	35.0	300.1
432	R61Y_062_062$_e$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.308	0.0	49.5	18.4	42.7	46.5	66.6
433	R50Y_062_050$_e$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.324	0.125	51.2	19.1	31.7	37.0	58.8
434	R31Y_062_037$_e$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.342	0.25	53.1	19.6	20.7	28.5	46.6
435	R00Y_062_025$_e$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.438	56.4	18.0	8.6	20.0	25.4
436	R00Y_062_025$_e$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.559	0.375	0.625	55.3	17.6	−2.4	17.7	352.0
437	B50R_062_025$_e$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.455	0.375	0.625	52.7	11.9	−7.2	13.9	328.6
438	B34R_075_037$_e$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.399	0.375	0.75	51.9	12.3	−14.4	19.0	310.5
439	B25R_087_050$_e$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.375	0.427	0.875	52.9	11.7	−20.1	23.3	300.1
440	B19R_100_062$_e$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.375	0.498	1.0	55.3	11.0	−25.2	27.5	293.5
441	R81Y_062_062$_e$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.405	0.0	54.8	8.5	49.0	49.8	80.0
442	R76Y_062_050$_e$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.427	0.125	56.5	8.9	37.9	38.9	76.7
443	R68Y_062_037$_e$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.453	0.25	58.3	9.2	26.9	28.4	71.1
444	R50Y_062_025$_e$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.474	0.375	60.0	9.5	15.8	18.5	58.8
445	R00Y_062_012$_e$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.531	62.6	9.0	4.3	10.0	25.4
446	B50R_062_012$_e$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.54	0.5	0.625	60.8	5.9	−3.6	6.9	328.6
447	B25R_075_025$_e$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.5	0.526	0.75	60.9	5.8	−10.0	11.6	300.1
448	B15R_087_037$_e$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.5	0.593	0.875	63.1	5.4	−15.0	16.0	289.7
449	B11R_100_050$_e$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.5	0.651	1.0	65.1	5.4	−20.2	20.9	285.0
450	Y00G_062_062$_e$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.549	0.0	61.4	−2.2	56.5	56.5	92.3
451	Y00G_062_050$_e$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.564	0.125	62.9	−1.8	45.2	45.2	92.3
452	Y00G_062_037$_e$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.579	0.25	64.4	−1.3	33.9	33.9	92.3
453	Y00G_062_025$_e$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.594	0.375	65.9	−0.9	22.6	22.6	92.3
454	Y00G_062_012$_e$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.609	0.5	67.4	−0.4	11.3	11.3	92.3
455	NW_062$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
456	B00R_075_012$_e$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.682	0.75	70.8	0.1	−5.0	5.0	271.7
457	B00R_087_025$_e$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.739	0.875	72.8	0.3	−10.1	10.1	271.7
458	B00R_100_037$_e$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.796	1.0	74.8	0.4	−15.2	15.2	271.7
459	Y15G_075_075$_e$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.546	0.75	0.0	66.0	−14.0	61.7	63.3	102.7
460	Y18G_075_062$_e$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.549	0.75	0.125	66.5	−13.3	49.4	51.2	105.1
461	Y23G_075_050$_e$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.552	0.75	0.25	67.2	−12.5	37.1	39.2	108.6
462	Y31G_075_037$_e$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.56	0.75	0.375	68.3	−11.2	24.7	27.2	114.4
463	Y50G_075_025$_e$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.58	0.75	0.5	69.5	−10.2	13.4	16.9	127.2
464	G00B_075_012$_e$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.1	−7.7	2.4	8.1	162.2
465	G50B_075_012$_e$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.718	72.7	−4.5	−3.4	5.6	216.9
466	G75B_087_025$_e$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.836	0.875	76.1	−4.9	−10.3	11.4	244.3
467	G84B_100_037$_e$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.875	1.0	77.7	−4.3	−15.4	15.9	254.3
468	Y26G_087_087$_e$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.49	0.875	0.0	66.8	−23.7	62.1	66.5	110.9
469	Y31G_087_075$_e$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.495	0.875	0.125	67.7	−22.5	49.5	54.4	114.4
470	Y38G_087_062$_e$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.508	0.875	0.25	68.9	−21.2	38.0	43.5	119.1
471	Y50G_087_050$_e$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.536	0.875	0.375	70.2	−20.4	26.9	33.8	127.2
472	Y68G_087_037$_e$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.569	0.875	0.5	72.0	−19.1	15.9	24.9	140.0
473	G00B_087_025$_e$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.662	75.4	−15.5	4.9	16.3	162.2
474	G25B_087_025$_e$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	76.0	−12.1	−2.0	12.3	189.6
475	G50B_087_025$_e$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.811	76.5	−9.0	−6.8	11.3	216.9
476	G65B_100_037$_e$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	1.0	0.98	80.9	−10.4	−14.5	17.8	234.3
477	Y36G_100_100$_e$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
478	Y41G_100_087$_e$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.452	1.0	0.125	69.4	−31.1	51.0	59.7	121.4
479	Y50G_100_075$_e$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.491	1.0	0.25	70.8	−30.7	40.3	50.7	127.2
480	Y61G_100_062$_e$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.53	1.0	0.375	72.3	−29.6	29.2	41.6	135.4
481	Y76G_100_050$_e$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.554	1.0	0.5	74.8	−27.7	18.7	33.5	145.9
482	G00B_100_037$_e$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.681	78.7	−23.2	7.4	24.4	162.2
483	G15B_100_037$_e$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.776	79.3	−20.0	0.1	20.0	179.5
484	G34B_100_037$_e$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.847	79.9	−16.5	−5.9	17.6	199.6
485	G50B_100_037$_e$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.905	80.3	−13.5	−10.2	16.9	216.9

n	rgb*'Fe			LabCh*'Fe					DE*'Fe	hsiM,e	rgb*Me			LabCh*Me				
405	0.625	0.0	0.0	37.2	53.3	28.6	60.5	28.2	10.8	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
406	0.625	0.0	0.125	37.4	54.0	24.4	59.3	24.3	15.1	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
407	0.625	0.0	0.25	37.3	54.8	19.5	58.2	19.6	20.4	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
408	0.625	0.0	0.375	37.4	56.1	13.0	57.6	13.0	24.4	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
409	0.625	0.0	0.5	37.4	57.9	6.5	58.2	6.4	30.6	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
410	0.625	0.0	0.625	37.4	59.3	1.1	59.3	1.0	36.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
411	0.625	0.0	0.75	37.9	61.6	−4.2	61.8	356.0	39.2	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
412	0.625	0.0	0.875	38.3	64.0	−9.1	64.6	351.8	42.1	275	0.106	0.0	1.0	27.4	35.1	−37.0	51.0	313.4
413	0.625	0.0	1.0	38.1	65.4	−14.0	66.9	347.9	44.9	271	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
414	0.625	0.125	0.0	40.5	45.1	32.7	55.7	35.9	5.9	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
415	0.625	0.125	0.125	41.0	44.9	28.0	53.0	31.9	14.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
416	0.625	0.125	0.25	41.0	45.8	22.3	51.0	25.9	17.7	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
417	0.625	0.125	0.375	41.1	47.2	15.5	49.7	18.2	23.7	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
418	0.625	0.125	0.5	41.4	48.6	7.7	49.3	9.0	25.7	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
419	0.625	0.125	0.625	41.7	50.4	1.6	50.4	1.8	31.4	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
420	0.625	0.125	0.75	42.7	52.1	−4.3	52.3	355.2	33.5	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
421	0.625	0.125	0.875	42.7	54.6	−10.3	55.5	349.2	36.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
422	0.625	0.125	1.0	43.0	56.2	−15.1	58.2	344.9	38.4	268	0.0	0.022	1.0	25.7	28.2	−40.4	49.3	304.9
423	0.625	0.25	0.0	45.1	34.1	38.7	51.6	48.5	5.2	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
424	0.625	0.25	0.125	45.7	34.0	33.2	47.6	44.3	8.6	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
425	0.625	0.25	0.25	46.1	34.0	26.2	43.0	37.6	15.6	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
426	0.625	0.25	0.375	46.5	35.2	19.1	40.1	28.4	18.3	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
427	0.625	0.25	0.5	46.9	37.0	10.1	38.4	15.3	20.5	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
428	0.625	0.25	0.625	47.5	38.1	3.1	38.3	4.7	24.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
429	0.625	0.25	0.75	48.6	39.4	−3.6	39.6	354.7	26.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
430	0.625	0.25	0.875	49.0	42.1	−9.7	43.2	346.9	28.6	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
431	0.625	0.25	1.0	49.1	43.7	−15.5	46.4	340.3	30.2	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
432	0.625	0.375	0.0	50.8	21.2	46.0	50.6	65.2	4.4	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
433	0.625	0.375	0.125	50.7	22.7	38.2	44.5	59.2	7.4	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
434	0.625	0.375	0.25	50.9	23.8	30.0	38.3	51.5	10.4	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
435	0.625	0.375	0.375	51.6	24.4	22.1	33.0	42.1	15.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
436	0.625	0.375	0.5	52.0	26.1	13.2	29.2	26.9	18.1	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
437	0.625	0.375	0.625	52.6	27.8	4.7	28.2	9.6	19.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
438	0.625	0.375	0.75	53.8	29.6	−2.9	29.8	354.2	20.8	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
439	0.625	0.375	0.875	54.2	31.4	−9.8	32.9	342.6	22.2	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
440	0.625	0.375	1.0	54.3	32.9	−16.3	36.8	333.5	23.7	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
441	0.625	0.5	0.0	55.7	11.1	52.4	53.6	77.9	4.3	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
442	0.625	0.5	0.125	56.2	11.5	43.8	45.3	75.3	6.4	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
443	0.625	0.5	0.25	56.7	12.5	34.7	36.9	70.0	8.6	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
444	0.625	0.5	0.375	57.0	14.3	25.0	28.8	60.2	10.7	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
445	0.625	0.5	0.5	57.5	16.1	15.5	22.3	44.0	14.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
446	0.625	0.5	0.625	58.3	18.1	6.5	19.3	19.8	16.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
447	0.625	0.5	0.75	58.9	19.9	−1.9	19.9	354.3	16.3	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
448	0.625	0.5	0.875	59.3	21.8	−9.6	23.8	336.0	17.6	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
449	0.625	0.5	1.0	59.7	24.4	−16.2	29.3	326.2	20.1	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
450	0.625	0.625	0.0	61.0	0.3	58.3	58.3	89.6	3.2	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
451	0.625	0.625	0.125	61.5	0.9	49.3	49.3	88.9	5.1	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
452	0.625	0.625	0.25	62.1	1.8	39.4	39.4	87.3	6.7	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
453	0.625	0.625	0.375	62.8	3.0	29.4	29.5	84.0	8.4	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
454	0.625	0.625	0.5	63.6	4.5	18.8	19.3	76.3	9.8	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
455	0.625	0.625	0.625	64.6	6.7	9.1	11.3	53.7	12.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
456	0.625	0.625	0.75	65.5	8.9	0.0	8.9	359.4	11.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
457	0.625	0.625	0.875	66.1	11.3	−8.3	14.0	323.7	13.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
458	0.625	0.625	1.0	67.2	13.7	−15.4	20.6	311.6	15.2	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
459	0.625	0.75	0.0	65.8	−7.1	64.5	64.9	96.3	7.3	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
460	0.625	0.75	0.125	66.7	−6.8	54.8	55.2	97.1	8.4	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
461	0.625	0.75	0.25	66.9	−6.0	43.6	44.0	97.9	9.1	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
462	0.625	0.75	0.375	67.8	−4.8	32.8	33.2	98.3	10.3	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
463	0.625	0.75	0.5	68.7	−3.5	21.4	21.7	99.4	10.4	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
464	0.625	0.75	0.625	69.6	−1.3	11.0	11.1	97.0	10.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
465	0.625	0.75	0.75	70.5	1.1	1.2	1.7	46.7	7.7	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
466	0.625	0.75	0.875	71.7	3.5	−7.2	8.0	296.3	10.1	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
467	0.625	0.75	1.0	72.4	6.6	−14.8	16.2	294.1	12.1	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
468	0.625	0.875	0.0	71.6	−16.6	71.3	73.2	103.1	12.6	116	0.56	1.0	0.0	72.8	−27.1	71.0	76.0	110.9
469	0.625	0.875	0.125	72.2	−16.3	60.1	62.3	105.2	12.9	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
470	0.625	0.875	0.25	72.8	−15.2	48.4	50.7	107.4	12.5	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
471	0.625	0.875	0.375	73.4	−14.4	36.3	39.1	111.6	11.6	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
472	0.625	0.875	0.5	74.0	−12.9	23.6	26.9	118.6	10.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
473	0.625	0.875	0.625	75.4	−10.2	13.2	16.7	127.7	9.8	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
474	0.625	0.875	0.75	76.6	−7.7	3.0	8.3	158.4	6.7	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
475	0.625	0.875	0.875	77.4	−5.1	−6.1	8.0	229.9	4.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
476	0.625	0.875	1.0	78.8	−2.5	−14.4	14.6	260.1	8.1	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
477	0.625	1.0	0.0	75.3	−24.0	75.7	79.4	107.6	17.7	124	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
478	0.625	1.0	0.125	76.3	−23.2	64.8	68.8	109.7	17.3	128	0.374	1.0	0.0	65.7	−35.6	58.2	68.3	121.4
479	0.625	1.0	0.25	76.4	−22.8	51.6	56.4	113.8	14.8	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
480	0.625	1.0	0.375	76.9	−22.0	39.0	44.8	119.4	13.2	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
481	0.625	1.0	0.5	78.3	−19.8	26.6	33.2	126.6	11.6	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
482	0.625	1.0	0.625	79.8	−17.2	15.4	23.1	138.0	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
483	0.625	1.0	0.75	80.8	−14.8	5.1	15.6	160.6	7.4	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
484	0.625	1.0	0.875	82.0	−11.7	−5.1	12.8	203.5	5.3	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
485	0.625	1.0	1.0	83.0	−8.7	−13.5	16.1	237.2	6.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta $E^{*\prime}$ =** ***15.9***

1−0131731−F0 PE780−7N, Page 18/26−F PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0131731−F0

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 19/26

n	HIC*Fe	rgb_Fe			ict_Fe			hsi_F,e	rgb*Fe			LabCh*Fe				
486	R00Y_075_075e	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4
487	R35Y_075_075e	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.384	40.5	55.7	15.4	57.8	15.4
488	R18Y_075_075e	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.62	40.5	58.4	4.4	58.5	4.3
489	R00Y_075_075e	0.75	0.0	0.375	0.75	0.75	0.375	360	0.552	0.0	0.75	37.1	52.8	−7.3	53.3	352.0
490	B65R_075_075e	0.75	0.0	0.5	0.75	0.75	0.375	349	0.452	0.0	0.75	34.3	48.2	−11.4	49.5	346.6
491	B57R_075_075e	0.75	0.0	0.625	0.75	0.75	0.375	339	0.33	0.0	0.75	31.7	41.6	−17.5	45.1	337.1
492	B50R_075_075e	0.75	0.0	0.75	0.75	0.75	0.375	330	0.241	0.0	0.75	29.4	35.8	−21.8	41.9	328.6
493	B43R_087_087e	0.75	0.0	0.875	0.875	0.875	0.437	322	0.201	0.0	0.875	28.1	35.9	−29.0	46.2	321.0
494	B38R_100_100e	0.75	0.0	1.0	1.0	1.0	0.5	316	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
495	R15Y_075_075e	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.051	0.0	41.6	49.9	35.6	61.3	35.5
496	R00Y_075_062e	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.284	46.5	45.1	21.5	50.0	25.4
497	R31Y_075_062e	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.481	46.7	46.9	11.0	48.2	13.2
498	R11Y_075_062e	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.749	46.8	49.5	−0.1	49.5	359.8
499	B69R_075_062e	0.75	0.125	0.5	0.75	0.625	0.437	353	0.557	0.125	0.75	43.1	42.8	−7.2	43.4	350.4
500	B59R_075_062e	0.75	0.125	0.625	0.75	0.625	0.437	341	0.421	0.125	0.75	39.9	35.7	−13.7	38.3	339.0
501	B50R_075_062e	0.75	0.125	0.75	0.75	0.625	0.437	330	0.326	0.125	0.75	37.5	29.8	−18.2	34.9	328.6
502	B42R_087_075e	0.75	0.125	0.875	0.875	0.75	0.5	321	0.286	0.125	0.875	36.4	30.2	−25.3	39.4	320.0
503	B36R_100_087e	0.75	0.125	1.0	1.0	0.875	0.562	314	0.217	0.125	1.0	35.9	30.7	−32.4	44.7	313.4
504	R31Y_075_075e	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.184	0.0	46.2	39.2	41.5	57.1	46.6
505	R18Y_075_062e	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.197	0.125	48.4	39.6	30.6	50.1	37.7
506	R00Y_075_050e	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4
507	R26Y_075_050e	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.578	53.0	38.0	6.6	38.6	9.8
508	R00Y_075_050e	0.75	0.25	0.5	0.75	0.5	0.5	360	0.618	0.25	0.75	50.7	35.2	−4.9	35.5	352.0
509	B61R_075_050e	0.75	0.25	0.625	0.75	0.5	0.5	344	0.511	0.25	0.75	48.0	29.9	−9.8	31.5	341.8
510	B50R_075_050e	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6
511	B40R_087_062e	0.75	0.25	0.875	0.875	0.625	0.562	319	0.364	0.25	0.875	44.6	24.2	−21.7	32.5	318.1
512	B34R_100_075e	0.75	0.25	1.0	1.0	0.75	0.625	311	0.298	0.25	1.0	43.8	24.7	−28.8	38.0	310.5
513	R50Y_075_075e	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.298	0.0	51.2	28.7	47.5	55.5	58.8
514	R38Y_075_062e	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.313	0.125	53.0	29.5	36.5	46.9	51.0
515	R23Y_075_050e	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.333	0.25	55.2	29.6	25.8	39.3	41.0
516	R00Y_075_037e	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.47	59.0	27.0	12.9	30.0	25.4
517	R18Y_075_037e	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.685	59.1	29.2	2.2	29.2	4.3
518	B65R_075_037e	0.75	0.375	0.625	0.75	0.375	0.562	349	0.601	0.375	0.75	56.0	24.1	−5.7	24.7	346.6
519	B50R_075_037e	0.75	0.375	0.75	0.75	0.375	0.562	330	0.495	0.375	0.75	53.6	17.9	−10.9	20.9	328.6
520	B38R_087_050e	0.75	0.375	0.875	0.875	0.5	0.625	316	0.442	0.375	0.875	52.9	18.2	−18.0	25.7	315.3
521	B30R_100_062e	0.75	0.375	1.0	1.0	0.625	0.687	307	0.38	0.375	1.0	51.6	18.7	−25.1	31.3	306.8
522	R68Y_075_075e	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.407	0.0	56.6	18.4	53.9	56.9	71.1
523	R61Y_075_062e	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.433	0.125	58.4	18.4	42.7	46.5	66.6
524	R50Y_075_050e	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.449	0.25	60.1	19.1	31.7	37.0	58.8
525	R31Y_075_037e	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.467	0.375	62.0	19.6	20.7	28.5	46.6
526	R00Y_075_025e	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.563	65.3	18.0	8.6	20.0	25.4
527	R00Y_075_025e	0.75	0.5	0.625	0.75	0.25	0.625	360	0.684	0.5	0.75	64.2	17.6	−2.4	17.7	352.0
528	B50R_075_025e	0.75	0.5	0.75	0.75	0.25	0.625	330	0.58	0.5	0.75	61.6	11.9	−7.2	13.9	328.6
529	B34R_087_037e	0.75	0.5	0.875	0.875	0.375	0.687	311	0.524	0.5	0.875	60.8	12.3	−14.4	19.0	310.5
530	B25R_100_050e	0.75	0.5	1.0	1.0	0.5	0.75	300	0.5	0.552	1.0	61.8	11.7	−20.1	23.3	300.1
531	R85Y_075_075e	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.513	0.0	62.2	8.1	60.3	60.9	82.2
532	R81Y_075_062e	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.53	0.125	63.8	8.5	49.0	49.8	80.0
533	R76Y_075_050e	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.552	0.25	65.4	8.9	37.9	38.9	76.7
534	R68Y_075_037e	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.578	0.375	67.2	9.2	26.9	28.4	71.1
535	R50Y_075_025e	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.599	0.5	68.9	9.5	15.8	18.5	58.8
536	R00Y_075_012e	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.656	71.5	9.0	4.3	10.0	25.4
537	B50R_075_012e	0.75	0.625	0.75	0.75	0.125	0.687	330	0.665	0.625	0.75	69.7	5.9	−3.6	6.9	328.6
538	B25R_087_025e	0.75	0.625	0.875	0.875	0.25	0.75	300	0.625	0.651	0.875	69.8	5.8	−10.0	11.6	300.1
539	B15R_100_037e	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.718	1.0	72.0	5.4	−15.0	16.0	289.7
540	Y00G_075_075e	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.659	0.0	68.8	−2.7	67.8	67.8	92.3
541	Y00G_075_062e	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.674	0.125	70.3	−2.2	56.5	56.5	92.3
542	Y00G_075_050e	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3
543	Y00G_075_037e	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.704	0.375	73.3	−1.3	33.9	33.9	92.3
544	Y00G_075_025e	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.719	0.5	74.8	−0.9	22.6	22.6	92.3
545	Y00G_075_012e	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.734	0.625	76.3	−0.4	11.3	11.3	92.3
546	NW_075e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
547	B00R_087_012e	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.807	0.875	79.7	0.1	−5.0	5.0	271.7
548	B00R_100_025e	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.864	1.0	81.7	0.3	−10.1	10.1	271.7
549	Y13G_087_087e	0.75	0.875	0.0	0.875	0.875	0.437	98	0.663	0.875	0.0	73.9	−15.1	73.4	75.0	101.6
550	Y15G_087_075e	0.75	0.875	0.125	0.875	0.75	0.5	99	0.671	0.875	0.125	74.9	−14.0	61.7	63.3	102.7
551	Y18G_087_062e	0.75	0.875	0.25	0.875	0.625	0.562	101	0.674	0.875	0.25	75.4	−13.3	49.4	51.2	105.1
552	Y23G_087_050e	0.75	0.875	0.375	0.875	0.5	0.625	104	0.677	0.875	0.375	76.1	−12.5	37.1	39.2	108.6
553	Y31G_087_037e	0.75	0.875	0.5	0.875	0.375	0.687	109	0.685	0.875	0.5	77.2	−11.2	24.7	27.2	114.4
554	Y50G_087_025e	0.75	0.875	0.625	0.875	0.25	0.75	120	0.705	0.875	0.625	78.4	−10.2	13.4	16.9	127.2
555	G00B_087_012e	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.1	−7.7	2.4	8.1	162.2
556	G50B_087_012e	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.843	81.6	−4.5	−3.4	5.6	216.9
557	G75B_100_025e	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.961	1.0	85.0	−4.9	−10.3	11.4	244.3
558	Y23G_100_100e	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
559	Y26G_100_087e	0.75	1.0	0.125	1.0	0.875	0.562	106	0.615	1.0	0.125	75.7	−23.7	62.1	66.5	110.9
560	Y31G_100_075e	0.75	1.0	0.25	1.0	0.75	0.625	109	0.62	1.0	0.25	76.6	−22.5	49.5	54.4	114.4
561	Y38G_100_062e	0.75	1.0	0.375	1.0	0.625	0.687	113	0.633	1.0	0.375	77.8	−21.2	38.0	43.5	119.1
562	Y50G_100_050e	0.75	1.0	0.5	1.0	0.5	0.75	120	0.661	1.0	0.5	79.1	−20.4	26.9	33.8	127.2
563	Y68G_100_037e	0.75	1.0	0.625	1.0	0.375	0.812	131	0.694	1.0	0.625	80.9	−19.1	15.9	24.9	140.0
564	G00B_100_025e	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.787	84.3	−15.5	4.9	16.3	162.2
565	G25B_100_025e	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	84.9	−12.1	−2.0	12.3	189.6
566	G50B_100_025e	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.936	85.4	−9.0	−6.8	11.3	216.9

n	rgb*'Fe			LabCh*'Fe					DE*'Fe	hsiM,e
486	0.75	0.0	0.0	40.7	59.2	36.3	69.4	31.5	11.6	375
487	0.75	0.0	0.125	40.6	60.2	31.6	68.0	27.7	16.8	359
488	0.75	0.0	0.25	40.9	61.1	25.5	66.2	22.6	21.3	339
489	0.75	0.0	0.375	41.0	62.2	19.2	65.1	17.1	28.4	315
490	0.75	0.0	0.5	40.9	64.0	11.4	65.1	10.1	28.6	306
491	0.75	0.0	0.625	41.1	65.4	5.1	65.6	4.4	34.1	296
492	0.75	0.0	0.75	41.1	66.9	0.0	66.9	0.0	39.8	288
493	0.75	0.0	0.875	41.4	69.0	−4.7	69.2	356.0	43.1	282
494	0.75	0.0	1.0	41.8	71.0	−9.2	71.6	352.5	45.8	277
495	0.75	0.125	0.0	43.9	51.3	40.0	65.1	37.8	5.1	33
496	0.75	0.125	0.125	44.5	50.6	34.5	61.3	34.3	14.3	375
497	0.75	0.125	0.25	44.8	51.4	28.4	58.8	28.9	18.1	355
498	0.75	0.125	0.375	45.0	52.4	21.2	56.5	22.0	21.6	330
499	0.75	0.125	0.5	45.4	54.0	12.4	55.4	12.9	22.7	312
500	0.75	0.125	0.625	45.8	55.0	5.5	55.3	5.7	27.9	298
501	0.75	0.125	0.75	45.9	56.5	−0.2	56.5	359.7	33.2	288
502	0.75	0.125	0.875	46.6	58.6	−5.6	58.9	354.5	36.0	281
503	0.75	0.125	1.0	47.0	60.4	−10.4	61.3	350.2	38.6	275
504	0.75	0.25	0.0	48.9	39.7	46.7	61.3	49.6	5.9	43
505	0.75	0.25	0.125	49.3	39.8	39.4	56.1	44.7	8.8	36
506	0.75	0.25	0.25	50.4	39.4	31.9	50.7	38.9	15.2	375
507	0.75	0.25	0.375	51.0	39.9	24.4	46.8	31.4	18.0	349
508	0.75	0.25	0.5	51.3	41.4	15.2	44.1	20.2	21.1	315
509	0.75	0.25	0.625	52.0	42.7	7.1	43.3	9.4	21.5	301
510	0.75	0.25	0.75	52.4	44.4	0.5	44.4	0.6	26.3	288
511	0.75	0.25	0.875	53.4	46.0	−5.4	46.3	353.2	28.5	279
512	0.75	0.25	1.0	53.7	47.7	−10.9	48.9	347.1	30.8	273
513	0.75	0.375	0.0	54.3	28.1	53.1	60.1	62.1	6.3	53
514	0.75	0.375	0.125	54.7	28.8	44.2	52.8	56.8	7.9	47
515	0.75	0.375	0.25	55.2	29.4	35.2	45.9	50.0	9.3	38
516	0.75	0.375	0.375	56.5	29.0	26.5	39.3	42.3	14.0	375
517	0.75	0.375	0.5	56.9	30.5	18.0	35.4	30.6	16.0	339
518	0.75	0.375	0.625	57.9	31.7	8.4	32.8	14.8	16.1	306
519	0.75	0.375	0.75	58.3	33.3	1.5	33.4	2.6	20.4	288
520	0.75	0.375	0.875	59.1	35.6	−4.8	35.9	352.3	22.7	277
521	0.75	0.375	1.0	59.9	36.8	−10.8	38.4	343.5	24.4	270
522	0.75	0.5	0.0	60.6	15.9	60.3	62.4	75.2	7.9	62
523	0.75	0.5	0.125	61.1	16.4	50.3	52.9	71.9	8.3	59
524	0.75	0.5	0.25	61.2	18.1	39.5	43.4	65.3	7.9	53
525	0.75	0.5	0.375	61.9	19.2	29.9	35.5	57.3	9.1	43
526	0.75	0.5	0.5	62.8	20.1	19.9	28.3	44.7	11.7	375
527	0.75	0.5	0.625	63.6	21.9	10.7	24.4	26.2	13.9	315
528	0.75	0.5	0.75	64.0	23.8	2.5	24.0	6.1	15.6	288
529	0.75	0.5	0.875	65.2	25.4	−4.4	25.8	350.1	17.0	273
530	0.75	0.5	1.0	65.7	26.9	−11.2	29.2	337.4	18.1	264
531	0.75	0.625	0.0	66.7	4.4	67.2	67.4	86.2	9.0	72
532	0.75	0.625	0.125	67.6	4.8	56.3	56.5	85.0	9.0	69
533	0.75	0.625	0.25	68.3	5.5	44.9	45.3	82.9	8.3	66
534	0.75	0.625	0.375	68.8	7.0	34.2	34.9	78.3	7.7	62
535	0.75	0.625	0.5	69.5	8.8	22.7	24.4	68.7	6.9	53
536	0.75	0.625	0.625	70.5	10.3	13.3	16.9	52.1	9.2	375
537	0.75	0.625	0.75	71.3	12.4	4.6	13.2	20.3	10.5	288
538	0.75	0.625	0.875	72.0	14.2	−3.3	14.6	346.9	11.0	264
539	0.75	0.625	1.0	72.8	16.2	−10.5	19.3	326.9	11.7	256
540	0.75	0.75	0.0	70.6	−2.5	71.5	71.6	92.0	4.2	83
541	0.75	0.75	0.125	71.4	−2.1	59.8	59.8	92.0	3.5	83
542	0.75	0.75	0.25	72.4	−1.4	48.0	48.0	91.7	2.9	83
543	0.75	0.75	0.375	73.3	−0.4	37.0	37.0	90.6	3.2	83
544	0.75	0.75	0.5	74.3	0.9	25.5	25.5	87.8	3.4	83
545	0.75	0.75	0.625	75.3	2.7	15.0	15.3	79.7	5.0	83
546	0.75	0.75	0.75	76.3	4.7	5.9	7.6	51.3	7.7	360
547	0.75	0.75	0.875	77.0	6.7	−2.3	7.1	340.8	7.6	242
548	0.75	0.75	1.0	77.9	9.1	−9.9	13.4	312.5	9.5	242
549	0.75	0.875	0.0	76.4	−11.0	78.3	79.1	98.0	6.8	103
550	0.75	0.875	0.125	77.1	−10.6	65.6	66.5	99.2	5.6	105
551	0.75	0.875	0.25	78.0	−9.8	52.9	53.8	100.4	5.6	108
552	0.75	0.875	0.375	79.1	−8.7	41.4	42.3	101.9	6.3	113
553	0.75	0.875	0.5	80.1	−7.2	28.5	29.5	104.2	6.2	120
554	0.75	0.875	0.625	81.1	−5.5	16.9	17.8	108.0	6.4	131
555	0.75	0.875	0.75	81.8	−3.4	7.6	8.3	114.5	6.7	158
556	0.75	0.875	0.875	82.8	−1.4	−1.0	1.7	217.4	4.0	195
557	0.75	0.875	1.0	83.7	1.0	−9.1	9.2	276.6	6.2	218
558	0.75	1.0	0.0	80.7	−17.5	83.5	85.3	101.8	13.4	113
559	0.75	1.0	0.125	81.7	−17.1	70.4	72.4	103.6	12.2	116
560	0.75	1.0	0.25	82.3	−16.6	57.1	59.5	106.2	11.1	120
561	0.75	1.0	0.375	83.3	−15.3	44.6	47.2	108.9	10.3	125
562	0.75	1.0	0.5	84.2	−14.1	31.5	34.5	114.0	9.4	131
563	0.75	1.0	0.625	85.1	−12.2	19.6	23.1	122.0	8.8	139
564	0.75	1.0	0.75	86.5	−9.9	9.5	13.7	136.2	7.5	158
565	0.75	1.0	0.875	87.5	−7.8	0.5	7.8	176.3	5.6	180
566	0.75	1.0	1.0	88.4	−5.2	−8.0	9.6	236.8	4.9	195

Mean color difference of this page: **delta $E^{*\prime}$ = 14.5**

n	rgb*Me			LabCh*Me				
486	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
487	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
488	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
489	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
490	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
491	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
492	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
493	0.23	0.0	1.0	28.7	41.0	−33.2	52.8	321.0
494	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
495	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
496	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
497	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
498	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
499	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
500	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
501	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
502	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
503	0.106	0.0	1.0	27.4	35.1	−37.0	51.0	313.4
504	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
505	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
506	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
507	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
508	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
509	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
510	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
511	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
512	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
513	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
514	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
515	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
516	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
517	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
518	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
519	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
520	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
521	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
522	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
523	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
524	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
525	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
526	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
527	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
528	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
529	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
530	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
531	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
532	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
533	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
534	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
535	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
536	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
537	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
538	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
539	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
540	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
541	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
542	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
543	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
544	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
545	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
546	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
547	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
548	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
549	0.758	1.0	0.0	81.0	−17.2	83.9	85.7	101.6
550	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
551	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
552	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
553	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
554	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
555	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
556	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
557	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
558	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
559	0.56	1.0	0.0	72.8	−27.1	71.0	76.0	110.9
560	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
561	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
562	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
563	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
564	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
565	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
566	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

1−0131831−F0

PE780−7N, Page 19/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*e
output: transfer to *cmy0*e

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0131831−F0

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/26

n	HIC*Fe	rgb_Fe			ict_Fe			hsi_F,e	rgb*Fe			LabCh*Fe				
567	R00Y_087_087e	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.222	42.9	63.1	30.1	70.0	25.4
568	R36Y_087_087e	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.424	43.2	64.8	19.2	67.6	16.5
569	R23Y_087_087e	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.627	43.2	67.2	9.0	67.8	7.6
570	R08Y_087_087e	0.875	0.0	0.375	0.875	0.875	0.437	365	0.809	0.0	0.875	42.4	67.2	−2.7	67.3	357.6
571	B70R_087_087e	0.875	0.0	0.5	0.875	0.875	0.437	355	0.65	0.0	0.875	39.4	61.8	−8.3	62.4	352.3
572	B63R_087_087e	0.875	0.0	0.625	0.875	0.875	0.437	346	0.485	0.0	0.875	35.1	54.0	−15.7	56.2	343.7
573	B56R_087_087e	0.875	0.0	0.75	0.875	0.875	0.437	338	0.371	0.0	0.875	32.7	47.7	−21.0	52.2	336.1
574	B50R_087_087e	0.875	0.0	0.875	0.875	0.875	0.437	330	0.281	0.0	0.875	30.2	41.8	−25.5	48.9	328.6
575	B44R_100_100e	0.875	0.0	1.0	1.0	1.0	0.5	323	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
576	R13Y_087_087e	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.038	0.0	43.9	59.5	40.7	72.2	34.3
577	R00Y_087_075e	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.316	49.2	54.1	25.8	60.0	25.4
578	R35Y_087_075e	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.509	49.4	55.7	15.4	57.8	15.4
579	R18Y_087_075e	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.745	49.4	58.4	4.4	58.5	4.3
580	R00Y_087_075e	0.875	0.125	0.5	0.875	0.75	0.5	360	0.677	0.125	0.875	46.0	52.8	−7.3	53.3	352.0
581	B65R_087_075e	0.875	0.125	0.625	0.875	0.75	0.5	349	0.577	0.125	0.875	43.2	48.2	−11.4	49.5	346.6
582	B57R_087_075e	0.875	0.125	0.75	0.875	0.75	0.5	339	0.455	0.125	0.875	40.7	41.6	−17.5	45.1	337.1
583	B50R_087_075e	0.875	0.125	0.875	0.875	0.75	0.5	330	0.366	0.125	0.875	38.3	35.8	−21.8	41.9	328.6
584	B43R_100_087e	0.875	0.125	1.0	1.0	0.875	0.562	322	0.326	0.125	1.0	37.1	35.9	−29.0	46.2	321.0
585	R26Y_087_087e	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.173	0.0	48.3	49.4	46.5	67.9	43.3
586	R15Y_087_075e	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.176	0.125	50.5	49.9	35.6	61.3	35.5
587	R00Y_087_062e	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.409	55.4	45.1	21.5	50.0	25.4
588	R31Y_087_062e	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.606	55.6	46.9	11.0	48.2	13.2
589	R11Y_087_062e	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.874	55.7	49.5	−0.1	49.5	359.8
590	B69R_087_062e	0.875	0.25	0.625	0.875	0.625	0.562	353	0.682	0.25	0.875	52.0	42.8	−7.2	43.4	350.4
591	B59R_087_062e	0.875	0.25	0.75	0.875	0.625	0.562	341	0.546	0.25	0.875	48.8	35.7	−13.7	38.3	339.0
592	B50R_087_062e	0.875	0.25	0.875	0.875	0.625	0.562	330	0.451	0.25	0.875	46.4	29.8	−18.2	34.9	328.6
593	B42R_100_075e	0.875	0.25	1.0	1.0	0.75	0.625	321	0.411	0.25	1.0	45.3	30.2	−25.3	39.4	320.0
594	R41Y_087_087e	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.288	0.0	53.0	39.0	52.4	65.4	53.3
595	R31Y_087_075e	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.309	0.125	55.1	39.2	41.5	57.1	46.6
596	R18Y_087_062e	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.322	0.25	57.3	39.6	30.6	50.1	37.7
597	R00Y_087_050e	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.502	61.7	36.1	17.2	40.0	25.4
598	R26Y_087_050e	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.703	61.9	38.0	6.6	38.6	9.8
599	R00Y_087_050e	0.875	0.375	0.625	0.875	0.5	0.625	360	0.743	0.375	0.875	59.6	35.2	−4.9	35.5	352.0
600	B61R_087_050e	0.875	0.375	0.75	0.875	0.5	0.625	344	0.636	0.375	0.875	56.9	29.9	−9.8	31.5	341.8
601	B50R_087_050e	0.875	0.375	0.875	0.875	0.5	0.625	330	0.535	0.375	0.875	54.4	23.8	−14.5	27.9	328.6
602	B40R_100_062e	0.875	0.375	1.0	1.0	0.625	0.687	319	0.489	0.375	1.0	53.5	24.2	−21.7	32.5	318.1
603	R58Y_087_087e	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.408	0.0	58.5	28.0	58.7	65.1	64.4
604	R50Y_087_075e	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.423	0.125	60.1	28.7	47.5	55.5	58.8
605	R38Y_087_062e	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.438	0.25	61.9	29.5	36.5	46.9	51.0
606	R23Y_087_050e	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.458	0.375	64.1	29.6	25.8	39.3	41.0
607	R00Y_087_037e	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.595	67.9	27.0	12.9	30.0	25.4
608	R18Y_087_037e	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.81	68.0	29.2	2.2	29.2	4.3
609	B65R_087_037e	0.875	0.5	0.75	0.875	0.375	0.687	349	0.726	0.5	0.875	64.9	24.1	−5.7	24.7	346.6
610	B50R_087_037e	0.875	0.5	0.875	0.875	0.375	0.687	330	0.62	0.5	0.875	62.5	17.9	−10.9	20.9	328.6
611	B38R_100_050e	0.875	0.5	1.0	1.0	0.5	0.75	316	0.567	0.5	1.0	61.8	18.2	−18.0	25.7	315.3
612	R73Y_087_087e	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.507	0.0	63.8	18.0	65.0	67.5	74.4
613	R68Y_087_075e	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.532	0.125	65.5	18.4	53.9	56.9	71.1
614	R61Y_087_062e	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.558	0.25	67.3	18.4	42.7	46.5	66.6
615	R50Y_087_050e	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.574	0.375	69.0	19.1	31.7	37.0	58.8
616	R31Y_087_037e	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.592	0.5	70.9	19.6	20.7	28.5	46.6
617	R00Y_087_025e	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.688	74.2	18.0	8.6	20.0	25.4
618	R00Y_087_025e	0.875	0.625	0.75	0.875	0.25	0.75	360	0.809	0.625	0.875	73.1	17.6	−2.4	17.7	352.0
619	B50R_087_025e	0.875	0.625	0.875	0.875	0.25	0.75	330	0.705	0.625	0.875	70.5	11.9	−7.2	13.9	328.6
620	B34R_100_037e	0.875	0.625	1.0	1.0	0.375	0.812	311	0.649	0.625	1.0	69.7	12.3	−14.4	19.0	310.5
621	R86Y_087_087e	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.615	0.0	69.3	8.2	71.3	71.7	83.4
622	R85Y_087_075e	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.638	0.125	71.1	8.1	60.3	60.9	82.2
623	R81Y_087_062e	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.655	0.25	72.7	8.5	49.0	49.8	80.0
624	R76Y_087_050e	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.677	0.375	74.3	8.9	37.9	38.9	76.7
625	R68Y_087_037e	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.703	0.5	76.1	9.2	26.9	28.4	71.1
626	R50Y_087_025e	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.724	0.625	77.8	9.5	15.8	18.5	58.8
627	R00Y_087_012e	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.781	80.4	9.0	4.3	10.0	25.4
628	B50R_087_012e	0.875	0.75	0.875	0.875	0.125	0.812	330	0.79	0.75	0.875	78.6	5.9	−3.6	6.9	328.6
629	B25R_100_025e	0.875	0.75	1.0	1.0	0.25	0.875	300	0.75	0.776	1.0	78.7	5.8	−10.0	11.6	300.1
630	Y00G_087_087e	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.769	0.0	76.2	−3.1	79.1	79.1	92.3
631	Y00G_087_075e	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.784	0.125	77.7	−2.7	67.8	67.8	92.3
632	Y00G_087_062e	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.799	0.25	79.2	−2.2	56.5	56.5	92.3
633	Y00G_087_050e	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.814	0.375	80.7	−1.8	45.2	45.2	92.3
634	Y00G_087_037e	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.829	0.5	82.2	−1.3	33.9	33.9	92.3
635	Y00G_087_025e	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.844	0.625	83.7	−0.9	22.6	22.6	92.3
636	Y00G_087_012e	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.859	0.75	85.2	−0.4	11.3	11.3	92.3
637	NW_087e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
638	B00R_100_012e	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.932	1.0	88.7	0.1	−5.0	5.0	271.7
639	Y11G_100_100e	0.875	1.0	0.0	1.0	1.0	0.5	97	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
640	Y13G_100_087e	0.875	1.0	0.125	1.0	0.875	0.562	98	0.788	1.0	0.125	82.8	−15.1	73.4	75.0	101.6
641	Y15G_100_075e	0.875	1.0	0.25	1.0	0.75	0.625	99	0.796	1.0	0.25	83.8	−14.0	61.7	63.3	102.7
642	Y18G_100_062e	0.875	1.0	0.375	1.0	0.625	0.687	101	0.799	1.0	0.375	84.4	−13.3	49.4	51.2	105.1
643	Y23G_100_050e	0.875	1.0	0.5	1.0	0.5	0.75	104	0.802	1.0	0.5	85.1	−12.5	37.1	39.2	108.6
644	Y31G_100_037e	0.875	1.0	0.625	1.0	0.375	0.812	109	0.81	1.0	0.625	86.1	−11.2	24.7	27.2	114.4
645	Y50G_100_025e	0.875	1.0	0.75	1.0	0.25	0.875	120	0.83	1.0	0.75	87.3	−10.2	13.4	16.9	127.2
646	G00B_100_012e	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.0	−7.7	2.4	8.1	162.2
647	G50B_100_012e	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.968	90.5	−4.5	−3.4	5.6	216.9

n	rgb*'Fe			LabCh*'Fe					DE*'Fe	hsiM,e	rgb*Me			LabCh*Me				
567	0.875	0.0	0.0	43.2	65.4	40.5	76.9	31.8	10.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
568	0.875	0.0	0.125	43.3	66.0	35.3	74.9	28.1	16.1	360	1.0	0.0	0.485	45.8	74.1	22.0	77.3	16.5
569	0.875	0.0	0.25	43.6	66.5	29.6	72.8	23.9	20.5	345	1.0	0.0	0.716	45.9	76.8	10.3	77.5	7.6
570	0.875	0.0	0.375	43.6	67.7	23.3	71.6	19.0	26.1	326	0.925	0.0	1.0	45.0	76.8	−3.1	76.9	357.6
571	0.875	0.0	0.5	43.7	69.3	16.0	71.2	13.0	25.9	315	0.742	0.0	1.0	41.6	70.7	−9.5	71.3	352.3
572	0.875	0.0	0.625	43.8	70.8	9.3	71.4	7.5	31.4	303	0.554	0.0	1.0	36.6	61.7	−17.9	64.2	343.7
573	0.875	0.0	0.75	43.8	72.3	4.2	72.5	3.3	37.0	295	0.424	0.0	1.0	33.8	54.5	−24.0	59.6	336.1
574	0.875	0.0	0.875	44.0	73.5	−0.8	73.5	359.3	42.4	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
575	0.875	0.0	1.0	44.2	75.2	−5.0	75.3	356.1	45.9	283	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
576	0.875	0.125	0.0	47.3	56.4	44.0	71.5	38.0	5.7	32	1.0	0.044	0.0	46.6	68.0	46.6	82.5	34.3
577	0.875	0.125	0.125	47.6	56.0	38.5	67.9	34.5	12.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
578	0.875	0.125	0.25	47.9	56.7	32.6	65.4	29.8	17.2	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
579	0.875	0.125	0.375	48.2	57.5	25.3	62.8	23.7	20.9	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
580	0.875	0.125	0.5	48.4	59.1	16.9	61.5	15.9	25.2	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
581	0.875	0.125	0.625	48.8	60.3	9.3	61.0	8.8	24.7	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
582	0.875	0.125	0.75	48.9	62.0	2.9	62.0	2.7	30.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
583	0.875	0.125	0.875	49.3	62.9	−2.0	62.9	358.1	35.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
584	0.875	0.125	1.0	49.6	64.5	−6.6	64.9	354.1	38.4	282	0.23	0.0	1.0	28.7	41.0	−33.2	52.8	321.0
585	0.875	0.25	0.0	51.7	45.6	50.7	68.2	48.0	6.6	40	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43.3
586	0.875	0.25	0.125	52.6	45.0	43.6	62.7	44.1	9.6	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
587	0.875	0.25	0.25	53.7	44.1	35.9	56.8	39.1	14.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
588	0.875	0.25	0.375	54.3	44.5	28.2	52.7	32.3	17.3	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
589	0.875	0.25	0.5	54.5	45.9	19.9	50.0	23.4	20.4	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
590	0.875	0.25	0.625	55.1	47.5	10.8	48.7	12.8	18.9	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
591	0.875	0.25	0.75	55.4	48.8	4.0	49.0	4.6	23.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
592	0.875	0.25	0.875	56.0	49.9	−1.8	49.9	357.9	27.6	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
593	0.875	0.25	1.0	56.7	51.9	−6.8	52.3	352.4	30.6	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
594	0.875	0.375	0.0	57.5	33.5	57.7	66.8	59.8	8.8	48	1.0	0.329	0.0	57.1	44.6	59.9	74.7	53.3
595	0.875	0.375	0.125	57.9	33.6	48.9	59.4	55.5	9.7	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
596	0.875	0.375	0.25	58.6	34.1	39.3	52.1	49.0	10.3	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
597	0.875	0.375	0.375	59.7	33.8	30.7	45.6	42.2	13.8	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
598	0.875	0.375	0.5	60.3	34.8	21.9	41.1	32.1	15.7	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
599	0.875	0.375	0.625	61.1	36.1	12.9	38.3	19.7	17.9	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
600	0.875	0.375	0.75	61.4	37.8	4.6	38.1	7.0	17.1	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
601	0.875	0.375	0.875	62.3	38.7	−1.4	38.7	357.8	21.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
602	0.875	0.375	1.0	63.0	40.3	−7.2	40.9	349.7	23.5	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
603	0.875	0.5	0.0	63.7	21.0	64.7	68.1	72.0	10.6	57	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64.4
604	0.875	0.5	0.125	63.9	22.1	53.8	58.2	67.6	9.8	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
605	0.875	0.5	0.25	64.0	23.7	43.4	49.4	61.3	9.1	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
606	0.875	0.5	0.375	64.9	24.1	33.4	41.2	54.1	9.4	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
607	0.875	0.5	0.5	65.9	24.7	24.0	34.4	44.2	11.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
608	0.875	0.5	0.625	66.7	26.0	14.9	29.9	29.8	13.1	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
609	0.875	0.5	0.75	67.4	27.8	5.7	28.4	11.6	12.3	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
610	0.875	0.5	0.875	68.2	29.1	−0.9	29.1	358.1	16.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
611	0.875	0.5	1.0	69.1	30.9	−7.1	31.7	346.9	18.2	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
612	0.875	0.625	0.0	70.1	9.2	72.5	73.1	82.7	13.1	65	1.0	0.579	0.0	69.5	20.6	74.3	77.1	74.4
613	0.875	0.625	0.125	70.5	9.9	60.9	61.7	80.7	12.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
614	0.875	0.625	0.25	71.4	10.4	49.1	50.2	78.0	11.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
615	0.875	0.625	0.375	71.7	11.9	38.5	40.3	72.8	10.3	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
616	0.875	0.625	0.5	72.5	13.3	27.6	30.7	64.1	9.4	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
617	0.875	0.625	0.625	73.5	14.5	17.6	22.8	50.5	9.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
618	0.875	0.625	0.75	74.4	16.2	8.4	18.3	27.4	11.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
619	0.875	0.625	0.875	75.3	17.9	0.6	17.9	1.9	11.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
620	0.875	0.625	1.0	76.3	19.9	−6.4	20.9	342.1	12.8	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
621	0.875	0.75	0.0	74.7	1.3	77.7	77.7	89.0	10.8	73	1.0	0.703	0.0	75.7	9.4	81.4	82.0	83.4
622	0.875	0.75	0.125	75.7	1.0	65.9	65.9	89.1	10.1	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
623	0.875	0.75	0.25	76.3	1.9	53.4	53.4	87.9	8.7	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
624	0.875	0.75	0.375	77.2	2.8	42.2	42.3	86.1	7.9	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
625	0.875	0.75	0.5	77.9	4.5	30.7	31.0	81.5	6.2	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
626	0.875	0.75	0.625	78.7	6.4	19.6	20.7	71.8	5.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
627	0.875	0.75	0.75	79.7	8.2	9.9	12.9	50.2	5.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
628	0.875	0.75	0.875	80.8	9.9	1.7	10.1	9.6	7.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
629	0.875	0.75	1.0	81.1	12.3	−6.1	13.7	333.7	8.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
630	0.875	0.875	0.0	79.8	−7.2	83.8	84.1	94.9	7.1	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
631	0.875	0.875	0.125	80.6	−6.9	70.6	71.0	95.6	5.9	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
632	0.875	0.875	0.25	81.4	−6.1	57.8	58.2	96.1	4.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
633	0.875	0.875	0.375	82.3	−5.3	45.8	46.1	96.6	3.9	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
634	0.875	0.875	0.5	83.7	−3.9	33.3	33.6	96.8	3.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
635	0.875	0.875	0.625	84.6	−2.2	22.0	22.1	95.8	1.7	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
636	0.875	0.875	0.75	85.6	−0.3	11.7	11.7	91.7	0.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
637	0.875	0.875	0.875	86.7	1.6	2.9	3.3	60.9	3.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
638	0.875	0.875	1.0	87.6	3.8	−5.2	6.4	306.2	3.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
639	0.875	1.0	0.0	84.3	−13.9	89.2	90.3	98.8	4.1	100	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
640	0.875	1.0	0.125	85.1	−13.6	75.8	77.0	100.2	3.5	103	0.758	1.0	0.0	81.0	−17.2	83.9	85.7	101.6
641	0.875	1.0	0.25	86.2	−12.7	63.0	64.3	101.4	3.0	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
642	0.875	1.0	0.375	87.0	−12.0	50.1	51.6	103.5	3.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
643	0.875	1.0	0.5	88.0	−10.8	37.3	38.8	106.1	3.4	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
644	0.875	1.0	0.625	89.3	−8.9	24.9	26.5	109.6	4.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
645	0.875	1.0	0.75	90.5	−6.9	13.6	15.3	117.0	4.5	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
646	0.875	1.0	0.875	91.4	−5.0	4.6	6.8	137.4	3.7	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
647	0.875	1.0	1.0	92.3	−2.7	−3.8	4.7	234.9	2.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

Mean color difference of this page: **delta** $E^{*\prime}$ = ***13.8***

1−0131931−F0 PE780−7N, Page 20/26−F PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*e
output: transfer to *cmy0*e

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0131931−F0

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

n	HIC*$_{Fe}$	*rgb*$_{Fe}$			*ict*$_{Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb*'$_{Fe}$			*LabCh*'$_{Fe}$					*DE*'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	45.4	70.9	44.8	83.9	32.3	10.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
649	R38Y_100_100$_e$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6	1.0	0.0	0.125	45.5	71.4	40.1	81.9	29.3	16.7	362	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6
650	R26Y_100_100$_e$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8	1.0	0.0	0.25	45.6	72.1	34.6	80.0	25.6	21.7	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
651	R13Y_100_100$_e$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9	1.0	0.0	0.375	45.8	72.9	28.3	78.3	21.2	27.6	332	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9
652	R00Y_100_100$_e$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	1.0	0.0	0.5	45.9	74.2	21.1	77.1	15.9	31.5	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
653	B68R_100_100$_e$	1.0	0.0	0.625	1.0	1.0	0.5	352	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4	1.0	0.0	0.625	46.0	75.6	14.8	77.0	11.1	29.3	310	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4
654	B61R_100_100$_e$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8	1.0	0.0	0.75	45.9	77.1	8.6	77.6	6.4	34.5	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
655	B55R_100_100$_e$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2	1.0	0.0	0.875	45.9	78.2	4.1	78.3	3.0	39.9	293	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2
656	B50R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	1.0	0.0	1.0	46.1	79.3	−0.2	79.3	359.8	45.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
657	R11Y_100_100$_e$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2	1.0	0.125	0.0	48.9	62.8	49.4	79.9	38.1	8.2	31	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2
658	R00Y_100_087$_e$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.347	51.9	63.1	30.1	70.0	25.4	1.0	0.125	0.125	49.6	62.3	43.6	76.1	34.9	13.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
659	R36Y_100_087$_e$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.549	52.1	64.8	19.2	67.6	16.5	1.0	0.125	0.25	49.6	63.1	36.9	73.1	30.3	17.9	360	1.0	0.0	0.485	45.8	74.1	22.0	77.3	16.5
660	R23Y_100_087$_e$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.752	52.1	67.2	9.0	67.8	7.6	1.0	0.125	0.375	50.0	63.5	30.1	70.3	25.3	21.5	345	1.0	0.0	0.716	45.9	76.8	10.3	77.5	7.6
661	R08Y_100_087$_e$	1.0	0.125	0.5	1.0	0.875	0.562	365	0.934	0.125	1.0	51.3	67.2	−2.7	67.3	357.6	1.0	0.125	0.5	50.2	64.7	22.4	68.5	19.1	25.3	326	0.925	0.0	1.0	45.0	76.8	−3.1	76.9	357.6
662	B70R_100_087$_e$	1.0	0.125	0.625	1.0	0.875	0.562	355	0.775	0.125	1.0	48.3	61.8	−8.3	62.4	352.3	1.0	0.125	0.625	50.6	65.8	14.3	67.3	12.2	23.1	315	0.742	0.0	1.0	41.6	70.7	−9.5	71.3	352.3
663	B63R_100_087$_e$	1.0	0.125	0.75	1.0	0.875	0.562	346	0.61	0.125	1.0	44.0	54.0	−15.7	56.2	343.7	1.0	0.125	0.75	50.9	66.9	7.4	67.3	6.3	27.4	303	0.554	0.0	1.0	36.6	61.7	−17.9	64.2	343.7
664	B56R_100_087$_e$	1.0	0.125	0.875	1.0	0.875	0.562	338	0.496	0.125	1.0	41.6	47.7	−21.0	52.2	336.1	1.0	0.125	0.875	51.0	68.3	2.4	68.3	2.0	32.6	295	0.424	0.0	1.0	33.8	54.5	−24.0	59.6	336.1
665	B50R_100_087$_e$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.406	0.125	1.0	39.1	41.8	−25.5	48.9	328.6	1.0	0.125	1.0	51.3	69.1	−2.3	69.2	358.0	37.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
666	R23Y_100_100$_e$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	1.0	0.25	0.0	53.6	51.9	55.5	76.0	46.8	8.8	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
667	R13Y_100_087$_e$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.163	0.125	52.8	59.5	40.7	72.2	34.3	1.0	0.25	0.125	54.4	51.3	48.5	70.6	43.3	11.4	32	1.0	0.044	0.0	46.6	68.0	46.6	82.5	34.3
668	R00Y_100_075$_e$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.441	58.1	54.1	25.8	60.0	25.4	1.0	0.25	0.25	55.3	50.6	40.6	64.9	38.7	15.4	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
669	R35Y_100_075$_e$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.634	58.3	55.7	15.4	57.8	15.4	1.0	0.25	0.375	55.8	50.9	33.0	60.7	32.9	18.4	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
670	R18Y_100_075$_e$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.87	58.3	58.4	4.4	58.5	4.3	1.0	0.25	0.5	56.4	51.4	24.6	57.0	25.5	21.4	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
671	R00Y_100_075$_e$	1.0	0.25	0.625	1.0	0.75	0.625	360	0.802	0.25	1.0	54.9	52.8	−7.3	53.3	352.0	1.0	0.25	0.625	56.8	52.8	15.9	55.2	16.7	23.3	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
672	B65R_100_075$_e$	1.0	0.25	0.75	1.0	0.75	0.625	349	0.702	0.25	1.0	52.1	48.2	−11.4	49.5	346.6	1.0	0.25	0.75	57.1	54.5	7.8	55.1	8.1	20.9	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
673	B57R_100_075$_e$	1.0	0.25	0.875	1.0	0.75	0.625	339	0.58	0.25	1.0	49.6	41.6	−17.5	45.1	337.1	1.0	0.25	0.875	57.6	55.4	1.7	55.5	1.7	25.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
674	B50R_100_075$_e$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.491	0.25	1.0	47.2	35.8	−21.8	41.9	328.6	1.0	0.25	1.0	58.0	56.2	−3.2	56.3	356.6	29.6	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
675	R36Y_100_100$_e$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	1.0	0.375	0.0	59.1	40.3	62.0	74.0	56.9	10.0	46	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9
676	R26Y_100_087$_e$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.298	0.125	57.2	49.4	46.5	67.9	43.3	1.0	0.375	0.125	59.2	41.2	53.0	67.1	52.1	10.6	40	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43.3
677	R15Y_100_075$_e$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.301	0.25	59.4	49.9	35.6	61.3	35.5	1.0	0.375	0.25	59.8	41.2	44.0	60.3	46.8	12.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
678	R00Y_100_062$_e$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.534	64.3	45.1	21.5	50.0	25.4	1.0	0.375	0.375	61.2	40.1	35.6	53.7	41.6	15.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
679	R31Y_100_062$_e$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.731	64.5	46.9	11.0	48.2	13.2	1.0	0.375	0.5	61.7	40.7	27.1	48.9	33.6	17.5	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
680	R11Y_100_062$_e$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.999	64.6	49.5	−0.1	49.5	359.8	1.0	0.375	0.625	62.6	41.7	17.7	45.3	23.0	19.6	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
681	B69R_100_062$_e$	1.0	0.375	0.75	1.0	0.625	0.687	353	0.807	0.375	1.0	60.9	42.8	−7.2	43.4	350.4	1.0	0.375	0.75	63.0	43.5	8.8	44.4	11.4	16.2	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
682	B59R_100_062$_e$	1.0	0.375	0.875	1.0	0.625	0.687	341	0.671	0.375	1.0	57.7	35.7	−13.7	38.3	339.0	1.0	0.375	0.875	63.9	44.3	1.6	44.3	2.1	18.6	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
683	B50R_100_062$_e$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.576	0.375	1.0	55.3	29.8	−18.2	34.9	328.6	1.0	0.375	1.0	64.6	45.0	−3.7	45.2	355.2	22.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
684	R50Y_100_100$_e$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	1.0	0.5	0.0	64.9	28.9	68.6	74.5	67.1	11.6	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
685	R41Y_100_087$_e$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.413	0.125	61.9	39.0	52.4	65.4	53.3	1.0	0.5	0.125	64.9	29.9	58.6	65.9	62.9	11.4	48	1.0	0.329	0.0	57.1	44.6	59.9	74.7	53.3
686	R31Y_100_075$_e$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.434	0.25	64.0	39.2	41.5	57.1	46.6	1.0	0.5	0.25	65.7	30.0	48.4	57.0	58.2	11.6	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
687	R18Y_100_062$_e$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.447	0.375	66.2	39.6	30.6	50.1	37.7	1.0	0.5	0.375	66.5	30.2	39.0	49.3	52.2	12.5	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
688	R00Y_100_050$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	1.0	0.5	0.5	68.0	29.9	28.7	41.5	43.8	13.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
689	R26Y_100_050$_e$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.828	70.8	38.0	6.6	38.6	9.8	1.0	0.5	0.625	68.6	31.2	19.2	36.6	31.5	14.4	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
690	R00Y_100_050$_e$	1.0	0.5	0.75	1.0	0.5	0.75	360	0.868	0.5	1.0	68.5	35.2	−4.9	35.5	352.0	1.0	0.5	0.75	69.1	32.9	10.3	34.5	17.4	15.4	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
691	B61R_100_050$_e$	1.0	0.5	0.875	1.0	0.5	0.75	344	0.761	0.5	1.0	65.8	29.9	−9.8	31.5	341.8	1.0	0.5	0.875	70.2	34.0	2.5	34.1	4.2	13.6	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
692	B50R_100_050$_e$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	1.0	0.5	1.0	70.7	35.2	−3.7	35.4	353.9	17.3	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
693	R63Y_100_100$_e$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8	1.0	0.625	0.0	72.1	15.4	77.1	78.6	78.6	16.4	60	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8
694	R58Y_100_087$_e$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.533	0.125	67.4	28.0	58.7	65.1	64.4	1.0	0.625	0.125	73.0	15.1	66.5	68.2	77.1	16.0	57	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64.4
695	R50Y_100_075$_e$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.548	0.25	69.0	28.7	47.5	55.5	58.8	1.0	0.625	0.25	73.3	16.2	54.7	57.1	73.4	14.9	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
696	R38Y_100_062$_e$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.563	0.375	70.8	29.5	36.5	46.9	51.0	1.0	0.625	0.375	73.7	17.5	43.5	46.9	68.0	14.1	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
697	R23Y_100_050$_e$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.583	0.5	73.0	29.6	25.8	39.3	41.0	1.0	0.625	0.5	74.7	18.3	32.2	37.0	60.3	13.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
698	R00Y_100_037$_e$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.72	76.8	27.0	12.9	30.0	25.4	1.0	0.625	0.625	76.0	19.0	21.7	28.9	48.7	11.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
699	R18Y_100_037$_e$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.935	77.0	29.2	2.2	29.2	4.3	1.0	0.625	0.75	76.6	20.7	12.6	24.2	31.4	13.4	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
700	B65R_100_037$_e$	1.0	0.625	0.875	1.0	0.375	0.812	349	0.851	0.625	1.0	73.8	24.1	−5.7	24.7	346.6	1.0	0.625	0.875	77.7	22.1	3.8	22.4	9.8	10.5	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
701	B50R_100_037$_e$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.745	0.625	1.0	71.4	17.9	−10.9	20.9	328.6	1.0	0.625	1.0	78.3	23.8	−3.0	24.0	352.6	12.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
702	R76Y_100_100$_e$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	1.0	0.75	0.0	77.9	5.4	83.8	84.0	86.2	16.3	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
703	R73Y_100_087$_e$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.632	0.125	72.7	18.0	65.0	67.5	74.4	1.0	0.75	0.125	78.7	5.4	72.0	72.2	85.6	15.6	65	1.0	0.579	0.0	69.5	20.6	74.3	77.1	74.4
704	R68Y_100_075$_e$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.657	0.25	74.4	18.4	53.9	56.9	71.1	1.0	0.75	0.25	79.3	6.1	59.9	60.2	84.1	14.4	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
705	R61Y_100_062$_e$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.683	0.375	76.2	18.4	42.7	46.5	66.6	1.0	0.75	0.375	79.9	7.2	47.7	48.3	81.3	12.7	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
706	R50Y_100_050$_e$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.699	0.5	77.9	19.1	31.7	37.0	58.8	1.0	0.75	0.5	80.4	9.0	35.3	36.5	75.5	10.9	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
707	R31Y_100_037$_e$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.717	0.625	79.8	19.6	20.7	28.5	46.6	1.0	0.75	0.625	81.3	10.8	23.7	26.1	65.5	9.4	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
708	R00Y_100_025$_e$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.813	83.1	18.0	8.6	20.0	25.4	1.0	0.75	0.75	82.4	12.2	13.9	18.5	48.7	7.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
709	R00Y_100_025$_e$	1.0	0.75	0.875	1.0	0.25	0.875	360	0.934	0.75	1.0	82.0	17.6	−2.4	17.7	352.0	1.0	0.75	0.875	83.2	13.9	5.3	14.9	21.0	8.7	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
710	B50R_100_025$_e$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.83	0.75	1.0	79.5	11.9	−7.2	13.9	328.6	1.0	0.75	1.0	84.0	15.8	−2.4	16.0	351.0	7.6	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
711	R88Y_100_100$_e$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	1.0	0.875	0.0	83.4	−3.4	90.2	90.2	92.1	15.4	74	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5
712	R86Y_100_087$_e$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.74	0.125	78.2	8.2	71.3	71.7	83.4	1.0	0.875	0.125	84.2	−3.3	77.6	77.6	92.4	14.4	73	1.0	0.703	0.0	75.7	9.4	81.4	82.0	83.4
713	R85Y_100_075$_e$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.763	0.25	80.0	8.1	60.3	60.9	82.2	1.0	0.875	0.25	85.3	−3.2	65.1	65.2	92.8	13.4	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
714	R81Y_100_062$_e$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.78	0.375	81.6	8.5	49.0	49.8	80.0	1.0	0.875	0.375	85.9	−2.1	52.6	52.6	92.3	12.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
715	R76Y_100_050$_e$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.802	0.5	83.2	8.9	37.9	38.9	76.7	1.0	0.875	0.5	86.9	−0.8	39.3	39.3	91.2	10.6	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
716	R68Y_100_037$_e$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.828	0.625	85.0	9.2	26.9	28.4	71.1	1.0	0.875	0.625	87.9	0.7	27.3	27.3	88.5	9.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
717	R50Y_100_025$_e$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.849	0.75	86.7	9.5	15.8	18.5	58.8	1.0	0.875	0.75	88.8	2.8	16.3	16.5	80.0	7.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
718	R00Y_100_012$_e$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.906	89.3	9.0	4.3	10.0	25.4	1.0	0.875	0.875	89.8	4.6	7.1	8.5	56.8	5.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
719	B50R_100_012$_e$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.915	0.875	1.0	87.5	5.9	−3.6	6.9	328.6	1.0	0.875	1.0	90.5	6.9	−1.4	7.1	347.9	3.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
720	Y00G_100_100$_e

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

n	HIC^*_{Fe}	$rgb_{_Fe}$			$ict_{_Fe}$			$h_{si_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$				
729	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
730	G50B_100_012$_e$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.968	90.5	−4.5	−3.4	5.6	216.9
731	G50B_100_025$_e$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.936	85.4	−9.0	−6.8	11.3	216.9
732	G50B_100_037$_e$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.905	80.3	−13.5	−10.2	16.9	216.9
733	G50B_100_050$_e$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9
734	G50B_100_062$_e$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.842	70.2	−22.6	−17.0	28.3	216.9
735	G50B_100_075$_e$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.81	65.1	−27.1	−20.4	33.9	216.9
736	G50B_100_087$_e$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.778	60.0	−31.6	−23.8	39.6	216.9
737	G50B_100_100$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
738	R00Y_100_012$_e$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.906	89.3	9.0	4.3	10.0	25.4
739	NW_087$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
740	G50B_087_012$_e$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.843	81.6	−4.5	−3.4	5.6	216.9
741	G50B_087_025$_e$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.811	76.5	−9.0	−6.8	11.3	216.9
742	G50B_087_037$_e$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.78	71.4	−13.5	−10.2	16.9	216.9
743	G50B_087_050$_e$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.748	66.4	−18.1	−13.6	22.6	216.9
744	G50B_087_062$_e$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.717	61.3	−22.6	−17.0	28.3	216.9
745	G50B_087_075$_e$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.685	56.2	−27.1	−20.4	33.9	216.9
746	G50B_087_087$_e$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.653	51.1	−31.6	−23.8	39.6	216.9
747	R00Y_100_025$_e$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.813	83.1	18.0	8.6	20.0	25.4
748	R00Y_087_012$_e$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.781	80.4	9.0	4.3	10.0	25.4
749	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
750	G50B_075_012$_e$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.718	72.7	−4.5	−3.4	5.6	216.9
751	G50B_075_025$_e$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.686	67.6	−9.0	−6.8	11.3	216.9
752	G50B_075_037$_e$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.655	62.5	−13.5	−10.2	16.9	216.9
753	G50B_075_050$_e$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9
754	G50B_075_062$_e$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.592	52.4	−22.6	−17.0	28.3	216.9
755	G50B_075_075$_e$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.56	47.3	−27.1	−20.4	33.9	216.9
756	R00Y_100_037$_e$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.72	76.8	27.0	12.9	30.0	25.4
757	R00Y_087_025$_e$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.688	74.2	18.0	8.6	20.0	25.4
758	R00Y_075_012$_e$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.656	71.5	9.0	4.3	10.0	25.4
759	NW_062$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
760	G50B_062_012$_e$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.593	63.8	−4.5	−3.4	5.6	216.9
761	G50B_062_025$_e$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.561	58.7	−9.0	−6.8	11.3	216.9
762	G50B_062_037$_e$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.53	53.6	−13.5	−10.2	16.9	216.9
763	G50B_062_050$_e$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.498	48.6	−18.1	−13.6	22.6	216.9
764	G50B_062_062$_e$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.467	43.5	−22.6	−17.0	28.3	216.9
765	R00Y_100_050$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4
766	R00Y_087_037$_e$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.595	67.9	27.0	12.9	30.0	25.4
767	R00Y_075_025$_e$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.563	65.3	18.0	8.6	20.0	25.4
768	R00Y_062_012$_e$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.531	62.6	9.0	4.3	10.0	25.4
769	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
770	G50B_050_012$_e$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.468	54.9	−4.5	−3.4	5.6	216.9
771	G50B_050_025$_e$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.436	49.8	−9.0	−6.8	11.3	216.9
772	G50B_050_037$_e$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.405	44.7	−13.5	−10.2	16.9	216.9
773	G50B_050_050$_e$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9
774	R00Y_100_062$_e$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.534	64.3	45.1	21.5	50.0	25.4
775	R00Y_087_050$_e$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.502	61.7	36.1	17.2	40.0	25.4
776	R00Y_075_037$_e$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.47	59.0	27.0	12.9	30.0	25.4
777	R00Y_062_025$_e$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.438	56.4	18.0	8.6	20.0	25.4
778	R00Y_050_012$_e$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.406	53.7	9.0	4.3	10.0	25.4
779	NW_037$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
780	G50B_037_012$_e$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.343	46.0	−4.5	−3.4	5.6	216.9
781	G50B_037_025$_e$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.311	40.9	−9.0	−6.8	11.3	216.9
782	G50B_037_037$_e$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.28	35.8	−13.5	−10.2	16.9	216.9
783	R00Y_100_075$_e$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.441	58.1	54.1	25.8	60.0	25.4
784	R00Y_087_062$_e$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.409	55.4	45.1	21.5	50.0	25.4
785	R00Y_075_050$_e$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4
786	R00Y_062_037$_e$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.345	50.1	27.0	12.9	30.0	25.4
787	R00Y_050_025$_e$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.313	47.5	18.0	8.6	20.0	25.4
788	R00Y_037_012$_e$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.281	44.8	9.0	4.3	10.0	25.4
789	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
790	G50B_025_012$_e$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.218	37.1	−4.5	−3.4	5.6	216.9
791	G50B_025_025$_e$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.186	32.0	−9.0	−6.8	11.3	216.9
792	R00Y_100_087$_e$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.347	51.9	63.1	30.1	70.0	25.4
793	R00Y_087_075$_e$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.316	49.2	54.1	25.8	60.0	25.4
794	R00Y_075_062$_e$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.284	46.5	45.1	21.5	50.0	25.4
795	R00Y_062_050$_e$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.252	43.9	36.1	17.2	40.0	25.4
796	R00Y_050_037$_e$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.22	41.2	27.0	12.9	30.0	25.4
797	R00Y_037_025$_e$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.188	38.6	18.0	8.6	20.0	25.4
798	R00Y_025_012$_e$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.156	35.9	9.0	4.3	10.0	25.4
799	NW_012$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
800	G50B_012_012$_e$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.093	28.2	−4.5	−3.4	5.6	216.9
801	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
802	R00Y_087_087$_e$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.222	42.9	63.1	30.1	70.0	25.4
803	R00Y_075_075$_e$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4
804	R00Y_062_062$_e$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.159	37.6	45.1	21.5	50.0	25.4
805	R00Y_050_050$_e$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4
806	R00Y_037_037$_e$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.095	32.3	27.0	12.9	30.0	25.4
807	R00Y_025_025$_e$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.063	29.6	18.0	8.6	20.0	25.4
808	R00Y_012_012$_e$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.031	27.0	9.0	4.3	10.0	25.4
809	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0

n	$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
729	1.0	1.0	1.0	95.5	0.0	0.0	0.1	112.0	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
730	0.875	1.0	1.0	91.9	−2.9	−4.1	5.0	234.3	2.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
731	0.75	1.0	1.0	87.8	−5.7	−8.6	10.3	236.4	4.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
732	0.625	1.0	1.0	83.2	−8.6	−13.4	15.9	237.2	6.5	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
733	0.5	1.0	1.0	77.6	−12.2	−19.4	22.9	237.6	8.5	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
734	0.375	1.0	1.0	72.3	−15.5	−24.9	29.4	238.1	10.8	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
735	0.25	1.0	1.0	66.5	−19.1	−31.2	36.6	238.4	13.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
736	0.125	1.0	1.0	61.2	−21.8	−36.5	42.5	239.0	16.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
737	0.0	1.0	1.0	55.3	−24.7	−42.3	49.0	239.6	18.8	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
738	1.0	0.875	0.875	89.7	4.4	7.8	9.0	60.1	5.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
739	0.875	0.875	0.875	86.1	1.2	3.6	3.8	70.9	3.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
740	0.75	0.875	0.875	82.2	−1.9	−0.8	2.1	204.3	3.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
741	0.625	0.875	0.875	77.9	−5.4	−5.5	7.8	225.6	4.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
742	0.5	0.875	0.875	72.8	−9.5	−11.3	14.8	229.9	4.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
743	0.375	0.875	0.875	67.6	−13.7	−16.9	21.8	230.9	5.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
744	0.25	0.875	0.875	62.2	−18.3	−23.4	29.8	231.9	7.7	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
745	0.125	0.875	0.875	57.2	−22.1	−28.6	36.1	232.2	9.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
746	0.0	0.875	0.875	51.9	−26.3	−34.9	43.7	232.9	12.3	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
747	1.0	0.75	0.75	82.3	11.7	15.1	19.1	52.1	9.1	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
748	0.875	0.75	0.75	79.1	8.0	10.9	13.6	53.6	6.8	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
749	0.75	0.75	0.75	75.6	4.4	6.7	8.0	56.1	8.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
750	0.625	0.75	0.75	71.2	0.3	1.9	2.0	79.0	7.4	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
751	0.5	0.75	0.75	66.4	−4.7	−3.8	6.1	219.4	5.3	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
752	0.375	0.75	0.75	61.8	−9.3	−9.6	13.4	225.8	4.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
753	0.25	0.75	0.75	56.5	−15.2	−16.0	22.1	226.3	3.8	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
754	0.125	0.75	0.75	52.2	−19.8	−21.1	28.9	226.8	4.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
755	0.0	0.75	0.75	47.3	−25.7	−27.2	37.5	226.6	6.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
756	1.0	0.625	0.625	76.1	18.3	22.9	29.3	51.3	13.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
757	0.875	0.625	0.625	73.0	14.4	18.5	23.5	52.0	10.6	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
758	0.75	0.625	0.625	69.8	10.1	14.0	17.3	54.0	9.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
759	0.625	0.625	0.625	65.4	5.8	9.1	10.9	57.3	11.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
760	0.5	0.625	0.625	61.0	0.4	3.7	3.7	83.2	9.1	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
761	0.375	0.625	0.625	56.7	−5.3	−2.1	5.7	201.6	6.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
762	0.25	0.625	0.625	51.9	−12.3	−8.5	14.9	214.7	2.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
763	0.125	0.625	0.625	48.0	−18.0	−13.9	22.8	217.6	0.6	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
764	0.0	0.625	0.625	43.3	−25.1	−20.1	32.1	218.6	3.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
765	1.0	0.5	0.5	68.2	29.0	29.0	41.1	45.0	14.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
766	0.875	0.5	0.5	65.3	24.5	25.2	35.1	45.7	12.8	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
767	0.75	0.5	0.5	62.2	20.1	20.1	28.5	45.0	12.1	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
768	0.625	0.5	0.5	58.7	14.9	15.6	21.6	46.3	13.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
769	0.5	0.5	0.5	54.3	8.9	10.1	13.5	48.5	14.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
770	0.375	0.5	0.5	50.6	1.9	4.3	4.7	65.2	10.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
771	0.25	0.5	0.5	46.0	−5.6	−2.0	6.0	199.5	6.9	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
772	0.125	0.5	0.5	42.3	−12.7	−7.7	14.9	211.3	3.5	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
773	0.0	0.5	0.5	38.5	−21.4	−13.9	25.5	213.0	3.5	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
774	1.0	0.375	0.375	61.4	39.0	35.7	52.9	42.4	15.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
775	0.875	0.375	0.375	58.9	33.9	31.5	46.3	42.8	14.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
776	0.75	0.375	0.375	55.9	29.2	26.8	39.7	42.5	14.4	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
777	0.625	0.375	0.375	52.5	23.8	21.9	32.3	42.6	15.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
778	0.5	0.375	0.375	48.7	16.8	16.1	23.3	43.7	15.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
779	0.375	0.375	0.375	45.0	9.7	10.1	14.0	46.0	15.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
780	0.25	0.375	0.375	40.9	0.8	3.7	3.8	77.4	10.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
781	0.125	0.375	0.375	37.7	−7.6	−1.5	7.8	191.5	6.3	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
782	0.0	0.375	0.375	34.4	−17.9	−8.0	19.6	204.0	5.1	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
783	1.0	0.25	0.25	55.3	49.7	40.6	64.1	39.2	15.7	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
784	0.875	0.25	0.25	52.8	44.8	36.2	57.7	38.9	15.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
785	0.75	0.25	0.25	50.1	39.4	31.1	50.3	38.3	14.6	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
786	0.625	0.25	0.25	46.7	33.8	26.1	42.7	37.7	15.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
787	0.5	0.25	0.25	43.2	26.1	19.9	32.8	37.3	14.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
788	0.375	0.25	0.25	40.0	18.4	13.9	23.1	37.2	14.3	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
789	0.25	0.25	0.25	36.4	8.8	7.3	11.4	39.4	12.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
790	0.125	0.25	0.25	33.2	−0.1	1.3	1.3	95.3	7.5	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
791	0.0	0.25	0.25	30.1	−12.1	−4.7	13.0	201.5	4.1	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
792	1.0	0.125	0.125	49.4	61.7	43.9	75.7	35.4	14.1	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
793	0.875	0.125	0.125	46.9	56.6	39.6	69.1	34.9	14.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
794	0.75	0.125	0.125	44.4	50.9	33.9	61.2	33.7	13.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
795	0.625	0.125	0.125	41.3	44.8	28.5	53.1	32.5	14.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
796	0.5	0.125	0.125	38.1	36.7	21.7	42.7	30.6	13.4	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
797	0.375	0.125	0.125	34.9	28.6	15.4	32.5	28.2	13.1	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
798	0.25	0.125	0.125	31.8	18.4	8.4	20.3	24.4	11.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
799	0.125	0.125	0.125	28.8	8.2	2.6	8.6	18.0	9.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
800	0.0	0.125	0.125	26.1	−4.3	−3.2	5.4	216.7	2.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
801	1.0	0.0	0.0	45.5	70.1	45.1	83.4	32.7	10.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
802	0.875	0.0	0.0	43.0	64.9	40.8	76.6	32.1	10.8	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
803	0.75	0.0	0.0	40.5	59.5	34.9	69.0	30.4	10.6	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
804	0.625	0.0	0.0	37.8	52.8	29.2	60.4	28.9	10.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
805	0.5	0.0	0.0	34.3	44.8	22.2	50.0	26.3	10.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
806	0.375	0.0	0.0	31.4	36.5	15.7	39.7	23.2	9.9	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
807	0.25	0.0	0.0	28.3	26.4	9.1	27.9	19.1	8.4	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
808	0.125	0.0	0.0	25.8	15.3	2.7	15.5	10.1	6.5	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
809	0.0	0.0	0.0	22.9	2.2	−3.1	3.8	305.4	4.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = *9.5***

1−0132131−F0

PE780−7N, Page 22/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

1−0132131−F0

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 23/26

n	HIC^*_{Fe}	rgb_{Fe}			ict_{Fe}			$h_{si_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$					$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
810	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.1	0.1	116.7	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
811	B00R_100_012$_e$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.932	1.0	88.7	0.1	−5.0	5.0	271.7	0.875	0.875	1.0	87.2	3.8	−5.3	6.6	305.3	3.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
812	B00R_100_025$_e$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.864	1.0	81.7	0.3	−10.1	10.1	271.7	0.75	0.75	1.0	76.6	9.6	−10.6	14.3	312.1	10.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
813	B00R_100_037$_e$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.796	1.0	74.8	0.4	−15.2	15.2	271.7	0.625	0.625	1.0	67.2	13.6	−15.6	20.8	311.0	15.2	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
814	B00R_100_050$_e$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.5	0.5	1.0	55.8	19.6	−21.4	29.1	312.4	22.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
815	B00R_100_062$_e$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.661	1.0	61.0	0.7	−25.4	25.4	271.7	0.375	0.375	1.0	45.8	24.1	−26.3	35.7	312.5	27.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
816	B00R_100_075$_e$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.593	1.0	54.1	0.9	−30.5	30.5	271.7	0.25	0.25	1.0	37.4	26.6	−31.6	41.3	310.1	30.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
817	B00R_100_087$_e$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.525	1.0	47.1	1.0	−35.5	35.6	271.7	0.125	0.125	1.0	28.7	31.4	−36.1	47.8	311.0	35.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
818	B00R_100_100$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	0.0	0.0	1.0	23.4	30.6	−39.6	50.1	307.6	33.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
819	Y00G_100_012$_e$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.984	0.875	94.1	−0.4	11.3	11.3	92.3	1.0	1.0	0.875	94.6	−2.5	9.9	10.2	104.1	2.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
820	NW_087$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.3	1.2	3.7	3.9	71.1	3.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
821	B00R_087_012$_e$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.807	0.875	79.7	0.1	−5.0	5.0	271.7	0.75	0.75	0.875	76.0	6.9	−2.3	7.3	341.0	8.2	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
822	B00R_087_025$_e$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.739	0.875	72.8	0.3	−10.1	10.1	271.7	0.625	0.625	0.875	66.7	11.0	−8.0	13.6	323.8	12.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
823	B00R_087_037$_e$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.671	0.875	65.9	0.4	−15.2	15.2	271.7	0.5	0.5	0.875	55.5	16.6	−14.6	22.1	318.6	19.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
824	B00R_087_050$_e$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.604	0.875	59.0	0.6	−20.3	20.3	271.7	0.375	0.375	0.875	45.6	21.0	−20.4	29.2	315.8	24.4	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
825	B00R_087_062$_e$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.536	0.875	52.1	0.7	−25.4	25.4	271.7	0.25	0.25	0.875	37.1	23.2	−26.2	35.0	311.5	27.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
826	B00R_087_075$_e$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.468	0.875	45.1	0.9	−30.5	30.5	271.7	0.125	0.125	0.875	29.0	26.9	−31.2	41.2	310.8	30.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
827	B00R_087_087$_e$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.4	0.875	38.2	1.0	−35.5	35.6	271.7	0.0	0.0	0.875	23.4	26.1	−35.1	43.8	306.6	29.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
828	Y00G_100_025$_e$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.969	0.75	92.6	−0.9	22.6	22.6	92.3	1.0	1.0	0.75	93.5	−4.4	20.0	20.4	102.4	4.4	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
829	Y00G_087_012$_e$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.859	0.75	85.2	−0.4	11.3	11.3	92.3	0.875	0.875	0.75	85.2	−0.7	13.0	13.1	93.4	1.8	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
830	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.1	4.6	6.6	8.1	54.7	8.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
831	B00R_075_012$_e$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.682	0.75	70.8	0.1	−5.0	5.0	271.7	0.625	0.625	0.75	66.1	8.4	0.2	8.4	1.7	10.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
832	B00R_075_025$_e$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.614	0.75	63.9	0.3	−10.1	10.1	271.7	0.5	0.5	0.75	54.8	13.8	−6.8	15.4	333.6	16.6	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
833	B00R_075_037$_e$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.546	0.75	57.0	0.4	−15.2	15.2	271.7	0.375	0.375	0.75	45.6	17.2	−13.3	21.7	322.1	20.3	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
834	B00R_075_050$_e$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.25	0.25	0.75	37.2	19.3	−19.7	27.6	314.5	22.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
835	B00R_075_062$_e$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.411	0.75	43.2	0.7	−25.4	25.4	271.7	0.125	0.125	0.75	29.3	22.6	−25.7	34.2	311.4	25.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
836	B00R_075_075$_e$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	−30.5	30.5	271.7	0.0	0.0	0.75	23.6	21.0	−30.2	36.9	304.8	23.7	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
837	Y00G_100_037$_e$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.954	0.625	91.1	−1.3	33.9	33.9	92.3	1.0	1.0	0.625	92.4	−6.1	30.9	31.6	101.2	5.7	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
838	Y00G_087_025$_e$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.844	0.625	83.7	−0.9	22.6	22.6	92.3	0.875	0.875	0.625	84.2	−2.8	23.6	23.8	96.7	2.2	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
839	Y00G_075_012$_e$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.734	0.625	76.3	−0.4	11.3	11.3	92.3	0.75	0.75	0.625	74.4	2.4	16.3	16.5	81.4	6.1	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
840	NW_062$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	65.5	5.9	9.4	11.1	57.6	11.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
841	B00R_062_012$_e$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.557	0.625	61.9	0.1	−5.0	5.0	271.7	0.5	0.5	0.625	54.5	11.4	1.1	11.4	5.8	14.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
842	B00R_062_025$_e$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.489	0.625	55.0	0.3	−10.1	10.1	271.7	0.375	0.375	0.625	45.2	14.8	−6.0	16.0	337.7	17.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
843	B00R_062_037$_e$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.421	0.625	48.1	0.4	−15.2	15.2	271.7	0.25	0.25	0.625	36.9	16.3	−13.2	21.0	320.9	19.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
844	B00R_062_050$_e$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.354	0.625	41.2	0.6	−20.3	20.3	271.7	0.125	0.125	0.625	29.1	19.3	−19.9	27.7	314.1	22.2	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
845	B00R_062_062$_e$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	−25.4	25.4	271.7	0.0	0.0	0.625	23.5	16.8	−24.9	30.0	304.0	19.3	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
846	Y00G_100_050$_e$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	1.0	1.0	0.5	91.2	−7.6	43.4	44.1	100.0	6.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
847	Y00G_087_037$_e$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.829	0.5	82.2	−1.3	33.9	33.9	92.3	0.875	0.875	0.5	83.1	−4.5	35.6	35.8	97.2	3.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
848	Y00G_075_025$_e$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.719	0.5	74.8	−0.9	22.6	22.6	92.3	0.75	0.75	0.5	73.6	0.4	27.0	27.0	88.9	4.8	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
849	Y00G_062_012$_e$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.609	0.5	67.4	−0.4	11.3	11.3	92.3	0.625	0.625	0.5	64.7	3.9	19.0	19.4	78.1	9.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
850	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	54.3	9.1	9.8	13.4	47.1	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
851	B00R_050_012$_e$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.432	0.5	53.0	0.1	−5.0	5.0	271.7	0.375	0.375	0.5	45.1	12.0	1.6	12.1	7.7	15.7	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
852	B00R_050_025$_e$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.364	0.5	46.1	0.3	−10.1	10.1	271.7	0.25	0.25	0.5	36.8	13.1	−6.7	14.7	332.9	16.2	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
853	B00R_050_037$_e$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.296	0.5	39.2	0.4	−15.2	15.2	271.7	0.125	0.125	0.5	29.0	15.8	−14.1	21.2	318.3	18.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
854	B00R_050_050$_e$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.0	0.0	0.5	23.6	12.6	−19.4	23.2	302.9	14.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
855	Y00G_100_062$_e$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.924	0.375	88.1	−2.2	56.5	56.5	92.3	1.0	1.0	0.375	89.9	−8.6	55.9	56.5	98.8	6.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
856	Y00G_087_050$_e$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.814	0.375	80.7	−1.8	45.2	45.2	92.3	0.875	0.875	0.375	81.9	−5.6	47.6	47.9	96.7	4.7	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
857	Y00G_075_037$_e$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.704	0.375	73.3	−1.3	33.9	33.9	92.3	0.75	0.75	0.375	72.6	−0.8	38.3	38.3	91.1	4.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
858	Y00G_062_025$_e$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.594	0.375	65.9	−0.9	22.6	22.6	92.3	0.625	0.625	0.375	64.1	2.1	29.3	29.4	85.7	7.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
859	Y00G_050_012$_e$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.484	0.375	58.5	−0.4	11.3	11.3	92.3	0.5	0.5	0.375	53.6	6.9	18.8	20.1	69.7	11.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
860	NW_037$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	44.7	10.1	9.6	14.0	43.4	15.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
861	B00R_037_012$_e$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.307	0.375	44.1	0.1	−5.0	5.0	271.7	0.25	0.25	0.375	36.9	10.5	0.5	10.5	3.1	13.8	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
862	B00R_037_025$_e$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.239	0.375	37.2	0.3	−10.1	10.1	271.7	0.125	0.125	0.375	28.8	12.5	−7.8	14.8	328.0	15.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
863	B00R_037_037$_e$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	−15.2	15.2	271.7	0.0	0.0	0.375	23.3	8.6	−14.0	16.5	301.4	10.7	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
864	Y00G_100_075$_e$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.909	0.25	86.6	−2.7	67.8	67.8	92.3	1.0	1.0	0.25	88.9	−9.2	67.9	68.5	97.7	6.9	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
865	Y00G_087_062$_e$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.799	0.25	79.2	−2.2	56.5	56.5	92.3	0.875	0.875	0.25	81.2	−6.4	58.4	58.8	96.2	5.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
866	Y00G_075_050$_e$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.75	0.75	0.25	72.1	−2.0	48.5	48.5	92.4	3.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
867	Y00G_062_037$_e$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.579	0.25	64.4	−1.3	33.9	33.9	92.3	0.625	0.625	0.25	63.5	0.8	38.9	38.9	88.6	5.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
868	Y00G_050_025$_e$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.469	0.249	57.0	−0.9	22.6	22.6	92.3	0.5	0.5	0.25	53.4	5.2	27.2	27.7	79.0	8.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
869	Y00G_037_012$_e$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.359	0.249	49.5	−0.4	11.3	11.3	92.3	0.375	0.375	0.25	44.7	7.7	17.3	19.0	65.8	11.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
870	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	36.9	9.2	6.8	11.4	36.3	12.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
871	B00R_025_012$_e$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.182	0.25	35.2	0.1	−5.0	5.0	271.7	0.125	0.125	0.25	28.8	10.2	−2.4	10.5	346.3	12.2	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
872	B00R_025_025$_e$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.114	0.25	28.3	0.3	−10.1	10.1	271.7	0.0	0.0	0.25	23.9	5.9	−10.1	11.7	300.3	7.1	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
873	Y00G_100_087$_e$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.894	0.125	85.1	−3.1	79.1	79.1	92.3	1.0	1.0	0.125	88.1	−9.7	80.8	81.4	96.9	7.4	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
874	Y00G_087_075$_e$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.784	0.125	77.7	−2.7	67.8	67.8	92.3	0.875	0.875	0.125	80.6	−7.1	70.7	71.1	95.8	6.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
875	Y00G_075_062$_e$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.674	0.125	70.3	−2.2	56.5	56.5	92.3	0.75	0.75	0.125	71.4	−2.8	59.7	59.8	92.7	3.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
876	Y00G_062_050$_e$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.564	0.125	62.9	−1.8	45.2	45.2	92.3	0.625	0.625	0.125	62.9	0.2	49.0	49.0	89.7	4.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
877	Y00G_050_037$_e$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.454	0.124	55.5	−1.3	33.9	33.9	92.3	0.5	0.5	0.125	53.1	4.2	36.2	36.5	83.2	6.5	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
878	Y00G_037_025$_e$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.344	0.124	48.0	−0.9	22.6	22.6	92.3	0.375	0.375	0.125	44.1	6.5	24.6	25.5	75.2	8.6	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
879	Y00G_025_012$_e$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.234	0.124	40.6	−0.4	11.3	11.3	92.3	0.25	0.25	0.125	36.7	7.6	12.8	14.9	59.0	9.1	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
880	NW_012$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.8	8.9	1.9	9.1	12.5	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
881	B00R_012_012$_e$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	−5.0	5.0	271.7	0.0	0.0	0.125	23.5	3.9	−6.7	7.8	300.0	4.9	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
882	Y00G_100_100$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	1.0	1.0	0.0	87.6	−10.0	93.9	94.5	96.0	8.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
883	Y00G_087_087$_e$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.769	0.0	76.2	−3.1	79.1	79.1	92.3	0.875	0.875	0.0	80.0	−7.8	83.1	83.5	95.3	7.2	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
884	Y00G_075_075$_e$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.659	0.0	68.8	−2.7	67.8	67.8	92.3	0.75	0.75	0.0	71.1	−3.3	71.0	71.1	92.7	4.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
885	Y00G_062_062$_e$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.549	0.0	61.4	−2.2	56.5	56.5	92.3	0.625	0.625	0.0	62.7	−0.6	59.0	59.0	90.6	3.2	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
886	Y00G_050_050$_e$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.5	0.5	0.0	52.7	3.7	44.2	44.4	85.2	5.7	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
887	Y00G_037_037$_e$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.329	0.0	46.5	−1.3	33.9	33.9	92.3	0.375	0.375	0.0	44.0	5.9	31.4	32.0	79.2	8.1	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
888	Y00G_025_025$_e$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.219	0.0	39.1	−0.9	22.6	22.6	92.3	0.25	0.25	0.0	36.5	6.8	18.0	19.3	69.2	9.3	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
889	Y00G_012_012$_e$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.109	0.0	31.7	−0.4	11.3	11.3	92.3	0.125	0.125	0.0	28.6	7.4	6.1	9.6	39.9	9.8	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
890	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.4	2.2	−3.7	4.3	300.5	4.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = 12.1**

1−0132231−F0

PE780−7N, Page 23/26−F

PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−0132231−F0

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 24/26

n	HIC^*_{Fe}	rgb_Fe			ict_Fe			$h_{si_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$				
891	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
892	B50R_100_012$_e$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.915	0.875	1.0	87.5	5.9	−3.6	6.9	328.6
893	B50R_100_025$_e$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.83	0.75	1.0	79.5	11.9	−7.2	13.9	328.6
894	B50R_100_037$_e$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.745	0.625	1.0	71.4	17.9	−10.9	20.9	328.6
895	B50R_100_050$_e$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6
896	B50R_100_062$_e$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.576	0.375	1.0	55.3	29.8	−18.2	34.9	328.6
897	B50R_100_075$_e$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.491	0.25	1.0	47.2	35.8	−21.8	41.9	328.6
898	B50R_100_087$_e$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.406	0.125	1.0	39.1	41.8	−25.5	48.9	328.6
899	B50R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
900	G00B_100_012$_e$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.0	−7.7	2.4	8.1	162.2
901	NW_087$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0
902	B50R_087_012$_e$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.79	0.75	0.875	78.6	5.9	−3.6	6.9	328.6
903	B50R_087_025$_e$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.705	0.625	0.875	70.5	11.9	−7.2	13.9	328.6
904	B50R_087_037$_e$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.62	0.5	0.875	62.5	17.9	−10.9	20.9	328.6
905	B50R_087_050$_e$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.535	0.375	0.875	54.4	23.8	−14.5	27.9	328.6
906	B50R_087_062$_e$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.451	0.25	0.875	46.4	29.8	−18.2	34.9	328.6
907	B50R_087_075$_e$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.366	0.125	0.875	38.3	35.8	−21.8	41.9	328.6
908	B50R_087_087$_e$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.281	0.0	0.875	30.2	41.8	−25.5	48.9	328.6
909	G00B_100_025$_e$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.787	84.3	−15.5	4.9	16.3	162.2
910	G00B_087_012$_e$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.1	−7.7	2.4	8.1	162.2
911	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
912	B50R_075_012$_e$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.665	0.625	0.75	69.7	5.9	−3.6	6.9	328.6
913	B50R_075_025$_e$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.58	0.5	0.75	61.6	11.9	−7.2	13.9	328.6
914	B50R_075_037$_e$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.495	0.375	0.75	53.6	17.9	−10.9	20.9	328.6
915	B50R_075_050$_e$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6
916	B50R_075_062$_e$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.326	0.125	0.75	37.5	29.8	−18.2	34.9	328.6
917	B50R_075_075$_e$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.241	0.0	0.75	29.4	35.8	−21.8	41.9	328.6
918	G00B_100_037$_e$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.681	78.7	−23.2	7.4	24.4	162.2
919	G00B_087_025$_e$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.662	75.4	−15.5	4.9	16.3	162.2
920	G00B_075_012$_e$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.1	−7.7	2.4	8.1	162.2
921	NW_062$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0
922	B50R_062_012$_e$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.54	0.5	0.625	60.8	5.9	−3.6	6.9	328.6
923	B50R_062_025$_e$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.455	0.375	0.625	52.7	11.9	−7.2	13.9	328.6
924	B50R_062_037$_e$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.37	0.25	0.625	44.7	17.9	−10.9	20.9	328.6
925	B50R_062_050$_e$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.285	0.125	0.625	36.6	23.8	−14.5	27.9	328.6
926	B50R_062_062$_e$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.201	0.0	0.625	28.5	29.8	−18.2	34.9	328.6
927	G00B_100_050$_e$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2
928	G00B_087_037$_e$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.556	69.8	−23.2	7.4	24.4	162.2
929	G00B_075_025$_e$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.537	66.5	−15.5	4.9	16.3	162.2
930	G00B_062_012$_e$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.2	−7.7	2.4	8.1	162.2
931	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0
932	B50R_050_012$_e$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.415	0.375	0.5	51.9	5.9	−3.6	6.9	328.6
933	B50R_050_025$_e$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.33	0.249	0.5	43.8	11.9	−7.2	13.9	328.6
934	B50R_050_037$_e$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.245	0.124	0.5	35.8	17.9	−10.9	20.9	328.6
935	B50R_050_050$_e$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6
936	G00B_100_062$_e$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.469	67.5	−38.8	12.4	40.7	162.2
937	G00B_087_050$_e$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.45	64.2	−31.0	9.9	32.6	162.2
938	G00B_075_037$_e$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.431	60.9	−23.2	7.4	24.4	162.2
939	G00B_062_025$_e$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.412	57.6	−15.5	4.9	16.3	162.2
940	G00B_050_012$_e$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.3	−7.7	2.4	8.1	162.2
941	NW_037$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0
942	B50R_037_012$_e$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.29	0.249	0.375	43.0	5.9	−3.6	6.9	328.6
943	B50R_037_025$_e$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.205	0.124	0.375	34.9	11.9	−7.2	13.9	328.6
944	B50R_037_037$_e$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.12	0.0	0.375	26.9	17.9	−10.9	20.9	328.6
945	G00B_100_075$_e$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.363	61.9	−46.5	14.9	48.9	162.2
946	G00B_087_062$_e$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.344	58.6	−38.8	12.4	40.7	162.2
947	G00B_075_050$_e$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2
948	G00B_062_037$_e$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.306	52.0	−23.2	7.4	24.4	162.2
949	G00B_050_025$_e$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.287	48.7	−15.5	4.9	16.3	162.2
950	G00B_037_012$_e$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.4	−7.7	2.4	8.1	162.2
951	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0
952	B50R_025_012$_e$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.165	0.124	0.25	34.1	5.9	−3.6	6.9	328.6
953	B50R_025_025$_e$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.08	0.0	0.25	26.0	11.9	−7.2	13.9	328.6
954	G00B_100_087$_e$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.257	56.3	−54.3	17.4	57.0	162.2
955	G00B_087_075$_e$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.238	53.0	−46.5	14.9	48.9	162.2
956	G00B_075_062$_e$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.219	49.7	−38.8	12.4	40.7	162.2
957	G00B_062_050$_e$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.2	46.4	−31.0	9.9	32.6	162.2
958	G00B_050_037$_e$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.181	43.1	−23.2	7.4	24.4	162.2
959	G00B_037_025$_e$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.162	39.8	−15.5	4.9	16.3	162.2
960	G00B_025_012$_e$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−7.7	2.4	8.1	162.2
961	NW_012$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0
962	B50R_012_012$_e$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.04	0.0	0.125	25.2	5.9	−3.6	6.9	328.6
963	G00B_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
964	G00B_087_087$_e$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.132	47.3	−54.3	17.4	57.0	162.2
965	G00B_075_075$_e$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.113	44.1	−46.5	14.9	48.9	162.2
966	G00B_062_062$_e$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.094	40.8	−38.8	12.4	40.7	162.2
967	G00B_050_050$_e$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2
968	G00B_037_037$_e$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.056	34.2	−23.2	7.4	24.4	162.2
969	G00B_025_025$_e$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.037	30.9	−15.5	4.9	16.3	162.2
970	G00B_012_012$_e$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.6	−7.7	2.4	8.1	162.2
971	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0

n	$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
891	1.0	1.0	1.0	95.6	0.0	0.1	0.1	111.4	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
892	1.0	0.875	1.0	90.7	6.8	−1.4	6.9	348.2	3.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
893	1.0	0.75	1.0	84.2	15.6	−2.4	15.8	351.1	7.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
894	1.0	0.625	1.0	78.5	23.6	−3.2	23.8	352.2	11.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
895	1.0	0.5	1.0	70.6	35.6	−3.8	35.8	353.8	17.4	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
896	1.0	0.375	1.0	63.5	46.7	−3.8	46.9	355.3	23.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
897	1.0	0.25	1.0	57.0	58.1	−2.9	58.1	357.1	30.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
898	1.0	0.125	1.0	50.3	70.4	−1.6	70.4	358.6	38.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
899	1.0	0.0	1.0	45.4	79.5	1.0	79.5	0.7	46.1	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
900	0.875	1.0	0.875	90.9	−5.6	5.6	7.9	135.3	3.8	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
901	0.875	0.875	0.875	86.2	1.2	3.6	3.8	71.0	3.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
902	0.875	0.75	0.875	80.1	10.0	2.1	10.2	11.8	7.2	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
903	0.875	0.625	0.875	74.6	18.0	0.9	18.1	2.9	11.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
904	0.875	0.5	0.875	66.7	30.6	−0.6	30.6	358.7	16.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
905	0.875	0.375	0.875	60.5	40.8	−1.0	40.8	358.5	22.5	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
906	0.875	0.25	0.875	54.0	52.3	−1.0	52.3	358.7	29.2	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
907	0.875	0.125	0.875	47.7	64.4	−0.5	64.4	359.4	36.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
908	0.875	0.0	0.875	42.9	73.7	1.1	73.7	0.8	43.4	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
909	0.75	1.0	0.75	85.6	−11.0	10.4	15.2	136.5	7.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
910	0.75	0.875	0.75	81.1	−4.3	8.3	9.4	117.5	6.7	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
911	0.75	0.75	0.75	75.6	4.3	6.4	7.8	56.1	8.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
912	0.75	0.625	0.75	70.5	12.2	4.7	13.1	21.4	10.5	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
913	0.75	0.5	0.75	63.2	23.9	2.7	24.1	6.6	15.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
914	0.75	0.375	0.75	57.3	34.4	1.7	34.4	2.9	21.1	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
915	0.75	0.25	0.75	50.7	45.7	0.7	45.8	0.9	27.2	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
916	0.75	0.125	0.75	44.9	57.7	0.1	57.7	0.1	34.2	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
917	0.75	0.0	0.75	40.3	67.0	1.0	67.0	0.8	40.1	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
918	0.625	1.0	0.625	79.8	−17.2	15.5	23.2	137.8	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
919	0.625	0.875	0.625	76.0	−10.5	12.9	16.7	129.1	9.4	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
920	0.625	0.75	0.625	70.7	−2.0	10.9	11.1	100.3	10.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
921	0.625	0.625	0.625	66.0	5.6	8.9	10.5	57.5	10.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
922	0.625	0.5	0.625	59.5	17.0	6.1	18.1	19.9	14.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
923	0.625	0.375	0.625	53.7	26.9	4.3	27.3	9.1	19.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
924	0.625	0.25	0.625	47.9	38.2	2.9	38.3	4.3	24.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
925	0.625	0.125	0.625	42.0	50.1	1.3	50.1	1.5	31.1	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
926	0.625	0.0	0.625	37.5	59.5	0.8	59.5	0.7	36.4	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
927	0.5	1.0	0.5	73.8	−24.0	19.6	31.0	140.7	11.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
928	0.5	0.875	0.5	70.0	−18.0	17.2	24.9	136.3	11.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
929	0.5	0.75	0.5	65.3	−9.6	14.9	17.7	122.9	11.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
930	0.5	0.625	0.5	61.0	−2.3	12.4	12.6	100.7	11.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
931	0.5	0.5	0.5	54.8	8.7	9.3	12.7	47.0	13.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
932	0.5	0.375	0.5	49.6	18.6	6.7	19.8	19.7	16.5	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
933	0.5	0.25	0.5	44.1	29.4	4.1	29.7	7.9	20.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
934	0.5	0.125	0.5	38.7	41.2	1.8	41.3	2.5	26.8	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
935	0.5	0.0	0.5	34.5	50.1	0.7	50.1	0.8	31.1	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
936	0.375	1.0	0.375	67.5	−31.6	23.8	39.6	143.0	13.4	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
937	0.375	0.875	0.375	64.2	−26.0	21.1	33.5	140.9	12.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
938	0.375	0.75	0.375	60.0	−17.7	18.6	25.7	133.4	12.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
939	0.375	0.625	0.375	56.3	−10.4	16.0	19.1	123.1	12.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
940	0.375	0.5	0.375	50.7	0.3	12.7	12.7	88.6	13.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
941	0.375	0.375	0.375	45.5	9.7	9.2	13.4	43.5	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
942	0.375	0.25	0.375	40.5	20.4	6.1	21.3	16.7	17.6	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
943	0.375	0.125	0.375	35.5	31.3	3.0	31.5	5.4	21.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
944	0.375	0.0	0.375	31.5	40.4	1.1	40.4	1.6	25.9	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
945	0.25	1.0	0.25	61.3	−40.7	26.6	48.7	146.8	13.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
946	0.25	0.875	0.25	58.3	−35.4	24.2	42.9	145.6	12.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
947	0.25	0.75	0.25	54.6	−27.2	21.0	34.4	142.3	11.7	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
948	0.25	0.625	0.25	51.3	−20.3	17.9	27.1	138.5	10.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
949	0.25	0.5	0.25	46.2	−10.0	14.0	17.3	125.5	10.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
950	0.25	0.375	0.25	41.7	−1.0	10.6	10.7	95.4	11.2	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
951	0.25	0.25	0.25	37.0	9.2	6.4	11.3	34.8	12.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
952	0.25	0.125	0.25	32.4	20.2	2.7	20.4	7.6	15.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
953	0.25	0.0	0.25	28.7	29.1	0.4	29.1	0.9	19.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
954	0.125	1.0	0.125	55.9	−50.9	28.6	58.4	150.6	11.7	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
955	0.125	0.875	0.125	53.1	−45.6	25.8	52.4	150.5	10.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
956	0.125	0.75	0.125	49.8	−38.3	22.5	44.4	149.4	10.1	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
957	0.125	0.625	0.125	46.5	−31.3	19.3	36.8	148.2	9.4	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
958	0.125	0.5	0.125	42.0	−20.9	15.3	25.9	143.6	8.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
959	0.125	0.375	0.125	37.7	−12.2	11.1	16.5	137.6	7.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
960	0.125	0.25	0.125	33.4	−2.0	6.4	6.7	107.5	7.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
961	0.125	0.125	0.125	29.4	8.6	2.6	9.0	16.9	9.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
962	0.125	0.0	0.125	26.3	17.3	−0.9	17.3	356.8	11.7	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
963	0.0	1.0	0.0	49.6	−65.2	27.5	70.8	157.1	8.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
964	0.0	0.875	0.0	47.4	−60.3	24.8	65.2	157.6	9.5	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
965	0.0	0.75	0.0	44.3	−53.0	21.3	57.1	158.1	9.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
966	0.0	0.625	0.0	41.4	−45.9	17.9	49.2	158.6	8.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
967	0.0	0.5	0.0	37.6	−36.3	13.4	38.7	159.6	6.3	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
968	0.0	0.375	0.0	33.6	−26.5	9.1	28.0	160.9	3.6	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
969	0.0	0.25	0.0	30.4	−16.6	4.3	17.2	165.4	1.4	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
970	0.0	0.125	0.0	26.6	−6.2	0.0	6.2	179.1	3.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
971	0.0	0.0	0.0	23.5	2.2	−2.7	3.5	308.8	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: delta $E^{*\prime}$ = **15.4**

1−0132331−F0 PE780−7N, Page 24/26−F PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

1−0132331−F0

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmy0 (CMY0)

http://130.149.60.45/~farbmetrik/PE78/PE78L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/26

n	HIC*Fe	*rgb*_Fe			*ict*_Fe			$h_{si_F,e}$	*rgb**Fe			*LabCh**Fe					*rgb**'Fe			*LabCh**'Fe					*DE**'Fe	$h_{siM,e}$	*rgb**Me			*LabCh**Me				
972	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	1.0	−1.6	1.9	302.0	2.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
973	NW_012e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.5	8.0	4.0	8.9	26.4	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
974	NW_025e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	36.5	9.3	8.5	12.6	42.5	13.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
975	NW_037e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.3	10.1	10.9	14.8	47.1	15.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
976	NW_050e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	55.2	8.8	10.0	13.3	48.4	14.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
977	NW_062e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	66.4	5.6	9.0	10.6	58.3	10.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
978	NW_075e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	76.2	3.9	6.3	7.5	57.9	7.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
979	NW_087e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.5	1.1	3.3	3.6	70.5	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
980	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.0	0.1	126.7	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
981	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	1.2	−0.6	1.4	332.7	2.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
982	NW_012e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.4	8.3	4.3	9.4	27.2	10.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
983	NW_025e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	35.9	9.7	9.1	13.3	43.2	14.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
984	NW_037e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	45.6	9.9	11.0	14.9	47.9	15.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
985	NW_050e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	55.1	8.6	9.9	13.1	49.1	14.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
986	NW_062e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	66.2	5.6	9.1	10.7	58.2	11.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
987	NW_075e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	76.0	4.1	6.1	7.4	56.0	7.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
988	NW_087e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.6	1.2	3.4	3.6	70.8	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
989	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.0	0.0	133.9	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
990	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.5	−0.7	0.9	307.9	1.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
991	NW_012e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.1	7.9	4.7	9.2	30.9	10.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
992	NW_025e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	36.3	9.2	9.2	13.0	45.2	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
993	NW_037e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	44.9	10.0	11.2	15.1	48.2	16.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
994	NW_050e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	54.7	8.9	9.9	13.3	48.3	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
995	NW_062e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	66.3	5.6	9.3	10.9	59.0	11.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
996	NW_075e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.8	4.1	6.3	7.5	56.9	7.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
997	NW_087e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.3	1.1	3.4	3.6	71.6	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
998	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	0.1	0.1	120.9	0.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
999	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	0.5	−0.5	0.8	317.5	1.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1000	NW_012e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.9	8.0	4.4	9.1	28.8	10.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1001	NW_025e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.25	0.25	0.25	35.8	9.1	9.3	13.0	45.5	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1002	NW_037e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.375	0.375	0.375	44.9	10.0	11.4	15.2	48.7	16.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1003	NW_050e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	54.7	9.1	10.4	13.8	48.7	14.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1004	NW_062e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.625	0.625	0.625	66.0	5.6	9.5	11.1	59.3	11.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1005	NW_075e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.7	4.1	6.4	7.6	57.3	7.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1006	NW_087e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.3	1.1	3.5	3.7	71.9	3.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1007	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	113.6	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1008	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.1	1.4	−1.9	2.4	306.9	2.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1009	NW_006e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0	0.066	0.066	0.066	26.0	5.8	0.2	5.8	2.4	6.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1010	NW_013e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.8	8.4	3.0	9.0	19.7	10.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1011	NW_020e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	32.3	9.7	5.8	11.4	30.8	13.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1012	NW_026e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	37.0	9.1	8.3	12.3	42.4	13.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1013	NW_033e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0	0.333	0.333	0.333	41.4	10.4	9.4	14.0	42.0	15.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1014	NW_040e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	47.5	8.9	9.8	13.3	47.7	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1015	NW_046e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0	0.466	0.466	0.466	52.0	8.9	10.0	13.4	48.0	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1016	NW_053e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0	0.533	0.533	0.533	57.0	7.2	10.0	12.3	53.9	13.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1017	NW_060e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0	0.6	0.6	0.6	64.2	5.6	8.6	10.3	57.1	10.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1018	NW_066e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0	0.666	0.666	0.666	69.7	5.2	8.2	9.7	57.4	10.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1019	NW_073e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	75.0	4.8	6.6	8.2	53.8	8.4	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1020	NW_080e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.6	2.8	4.9	5.6	60.2	5.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1021	NW_086e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.0	1.3	3.3	3.6	67.9	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1022	NW_093e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.933	0.933	0.933	90.8	0.5	1.4	1.5	70.7	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1023	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.1	0.1	99.5	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1024	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.8	1.6	−1.4	2.1	318.9	2.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1025	NW_006e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0	0.066	0.066	0.066	25.8	6.1	0.6	6.1	6.1	6.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1026	NW_013e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.5	8.6	3.3	9.2	21.0	10.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1027	NW_020e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	32.1	9.8	5.8	11.4	30.5	13.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1028	NW_026e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	36.9	9.9	8.4	13.0	40.4	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1029	NW_033e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0	0.333	0.333	0.333	41.1	10.3	9.6	14.1	42.7	15.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1030	NW_040e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	47.5	8.4	10.0	13.1	49.7	14.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1031	NW_046e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0	0.466	0.466	0.466	52.2	8.6	9.4	12.8	47.5	13.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1032	NW_053e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0	0.533	0.533	0.533	57.5	7.3	9.1	11.7	50.9	12.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1033	NW_060e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0	0.6	0.6	0.6	63.9	6.1	8.7	10.6	54.8	11.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1034	NW_066e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0	0.666	0.666	0.666	69.4	5.6	8.0	9.8	55.1	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1035	NW_073e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.9	4.7	6.4	8.0	53.5	8.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1036	NW_080e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.7	2.8	5.0	5.7	60.7	5.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1037	NW_086e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.0	1.2	3.4	3.6	70.1	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1038	NW_093e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.933	0.933	0.933	90.9	0.4	1.4	1.5	72.5	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1039	NW_100e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	0.0	0.0	224.9	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1040	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	0.8	−1.2	1.5	306.3	2.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1041	NW_006e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0	0.066	0.066	0.066	25.7	5.7	0.8	5.7	8.2	6.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1042	NW_013e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.6	8.6	3.6	9.3	23.1	10.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1043	NW_020e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	32.1	9.5	6.1	11.3	32.8	13.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1044	NW_026e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	36.5	9.2	9.1	13.0	44.8	14.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1045	NW_033e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0	0.333	0.333	0.333	40.7	10.7	9.4	14.3	41.1	16.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1046	NW_040e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	47.2	8.4	10.1	13.2	50.2	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1047	NW_046e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0	0.466	0.466	0.466	51.7	8.7	9.7	13.0	47.9	14.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1048	NW_053e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0	0.533	0.533	0.533	57.5	7.2	9.1	11.6	51.4	12.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1049	NW_060e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0	0.6	0.6	0.6	64.0	5.8	9.1	10.8	57.3	11.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1050	NW_066e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0	0.666	0.666	0.666	69.5	5.4	8.3	9.9	56.7	10.2	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1051	NW_073e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.6	4.9	6.6	8.3	53.6	8.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1052	NW_080e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.6	2.7	5.1	5.8	61.5	5.8	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = 9.2**

1−0132431−F0 PE780−7N, Page 25/26−F PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> rgb_e
output: transfer to $cmy0_e$

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

n	HIC*$_{Fe}$	*rgb*$_{Fe}$			*ict*$_{Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb*'*$_{Fe}$			*LabCh*'*$_{Fe}$					*DE*'*$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
1053	NW_086$_e$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.1	1.2	3.4	3.7	69.9	3.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1054	NW_093$_e$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.933	0.933	0.933	90.8	0.4	1.4	1.5	71.6	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1055	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.6	0.0	0.1	0.1	114.3	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1056	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.7	−0.9	1.1	308.5	1.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1057	NW_006$_e$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0	0.066	0.066	0.066	25.6	5.5	0.6	5.5	6.7	6.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1058	NW_013$_e$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.2	8.3	3.4	9.0	22.4	10.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1059	NW_020$_e$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0	0.2	0.2	0.2	32.0	10.0	5.8	11.6	30.4	13.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1060	NW_026$_e$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0	0.266	0.266	0.266	36.7	8.8	8.7	12.4	44.7	14.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1061	NW_033$_e$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0	0.333	0.333	0.333	40.7	10.4	8.9	13.7	40.4	15.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1062	NW_040$_e$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4	46.8	8.7	10.2	13.4	49.7	14.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1063	NW_046$_e$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0	0.466	0.466	0.466	51.8	8.8	9.9	13.3	48.4	14.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1064	NW_053$_e$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0	0.533	0.533	0.533	57.5	7.3	9.2	11.8	51.6	12.7	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1065	NW_060$_e$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0	0.6	0.6	0.6	63.6	6.0	9.2	11.0	56.7	11.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1066	NW_066$_e$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0	0.666	0.666	0.666	69.3	5.2	8.3	9.8	57.5	10.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1067	NW_073$_e$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.5	4.8	6.5	8.1	53.5	8.3	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1068	NW_080$_e$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.5	2.7	5.2	5.9	62.0	5.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1069	NW_086$_e$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.1	1.2	3.4	3.6	69.4	3.6	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1070	NW_093$_e$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.933	0.933	0.933	90.7	0.4	1.4	1.5	71.7	1.5	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1071	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	0.0	0.1	118.4	0.1	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1072	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	1.3	−2.4	2.8	299.2	2.9	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1073	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	0.0	0.0	138.7	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	1.0	0.0	0.0	45.4	70.5	45.5	83.9	32.8	11.2	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1075	G50B_100_100$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	0.0	1.0	1.0	56.4	−25.2	−41.8	48.8	238.9	18.2	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
1076	Y00G_100_100$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	1.0	1.0	0.0	87.5	−10.0	95.1	95.7	96.0	8.8	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1077	B00R_100_100$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	0.0	0.0	1.0	24.7	29.8	−40.1	49.9	306.6	32.5	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
1078	G00B_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	0.0	1.0	0.0	49.2	−65.4	28.0	71.2	156.7	8.9	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
1079	B50R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	1.0	0.0	1.0	45.8	79.2	−0.2	79.2	359.8	45.2	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6

Mean color difference of this page: **delta *E**' = *10.3***

1−0132531−F0 PE780−7N, Page 26/26−F PE4600L_120830.TXT, 1080 colors, Separation cmy0*

TUB-test chart PE78; hue circle; 16 and 8 steps
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=1, *cmy0*

input: *rgb/cmyk* −> *rgb*$_e$
output: transfer to *cmy0*$_e$

TUB registration: 20150701-PE78/PE78L0NP.PDF /.PS
application for measurement of offset print output, separation cmy0 (CMY0)

TUB material: code=rha4ta

see similar files: http://130.149.60.45/~farbmetrik/PE78/PE78.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik