

Colour and Colour Vision Elementary Colours in Information Technology

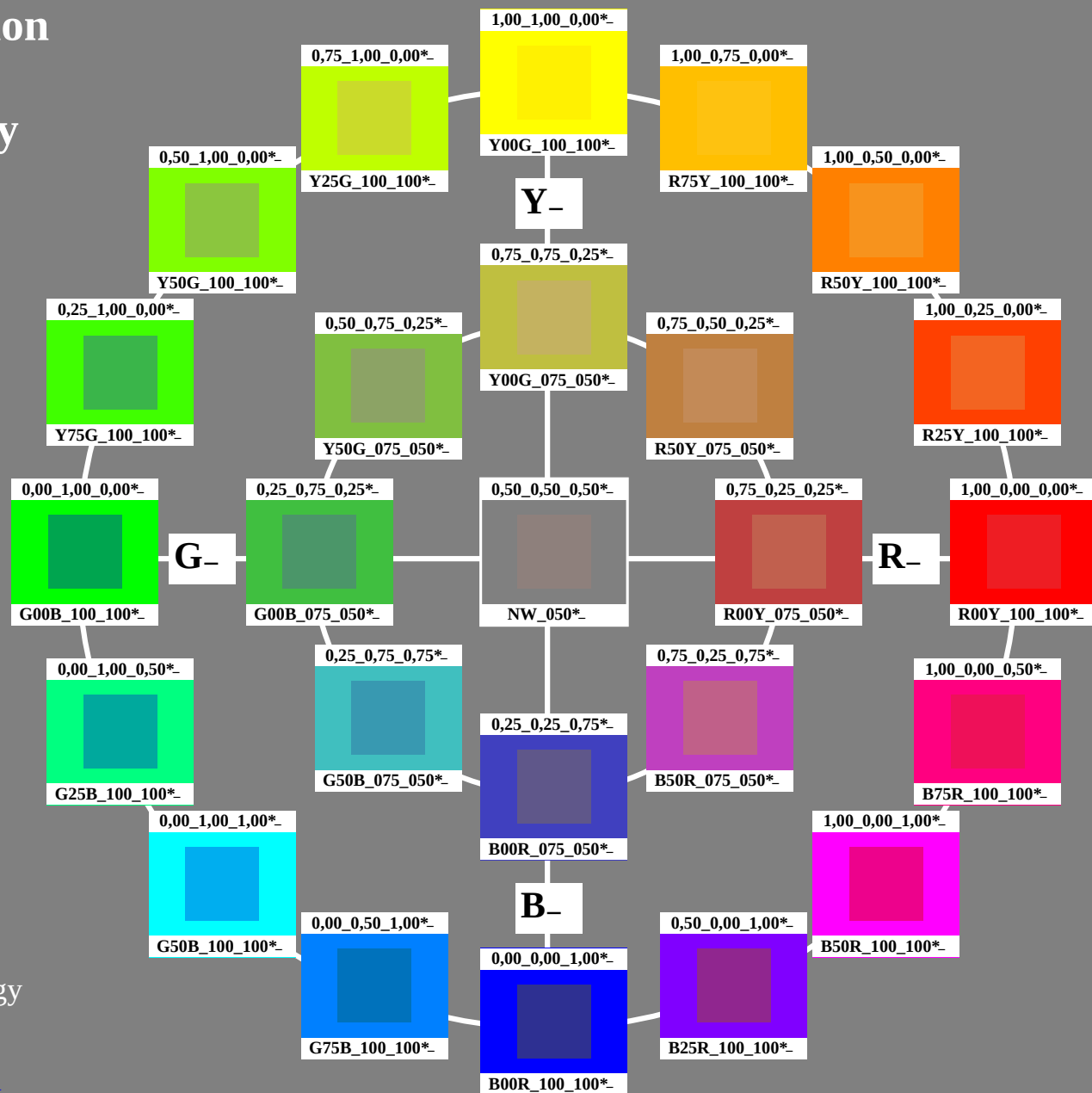
Author: Prof. Dr. Klaus Richter

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

Special print for the exhibition
Colour and Colour Vision
Section Lighting Technology
of the Berlin University of Technology
Einsteinufer 19, D-10587 Berlin
see: <http://www.li.tu-berlin.de>
and <http://130.149.60.45/~farbmetrik>
and <http://130.149.60.45/~farbmetrik>

TUB-test chart PE72; hue circle; 16 and 8 steps
25 standard colours for D65

input: $rgb/cmyk \rightarrow rgb/cmyk$
output: no change

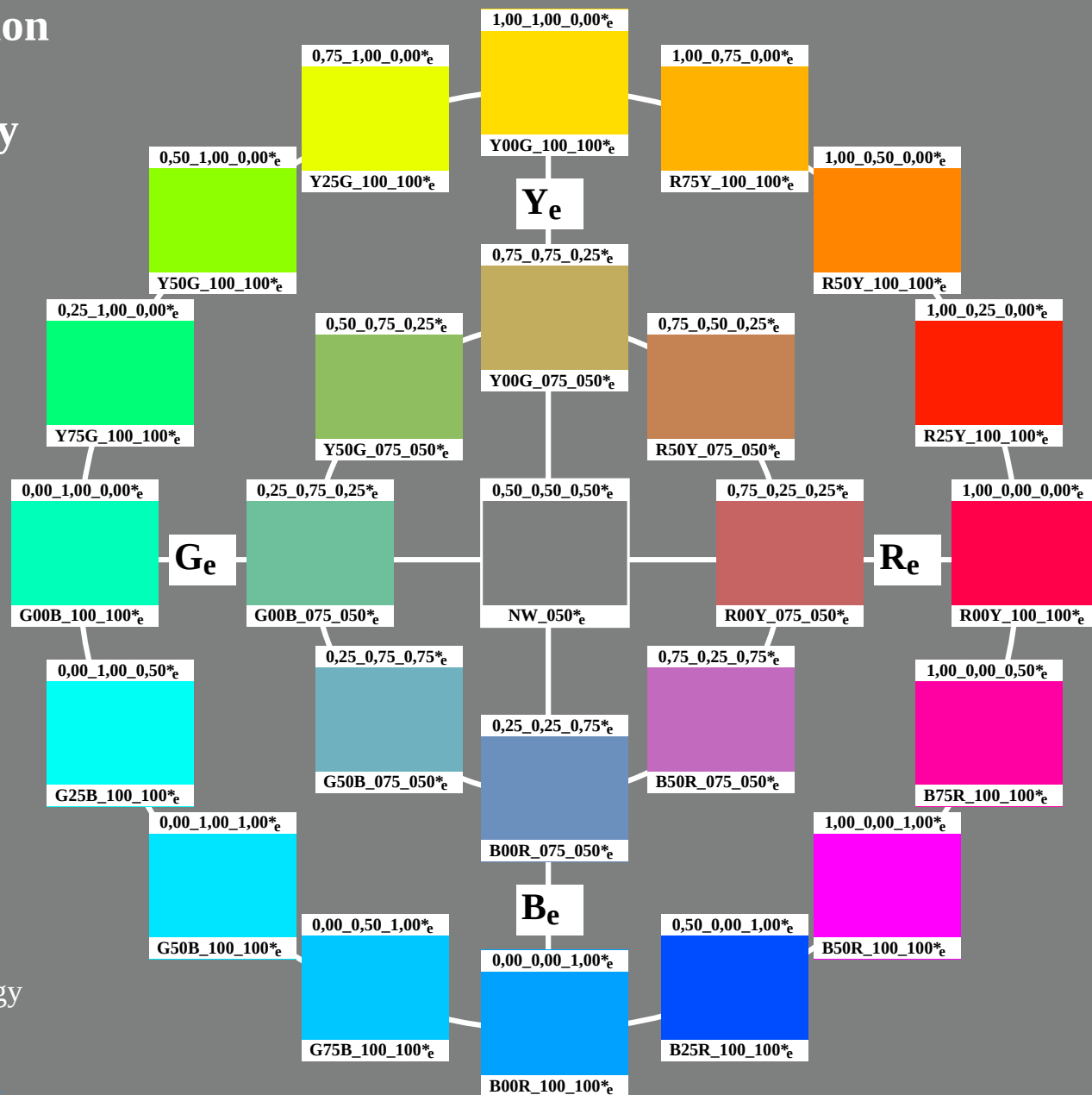


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hue circle with 16 and 8 steps
standard display sRGB
rgb data: rgb^*_e (top)
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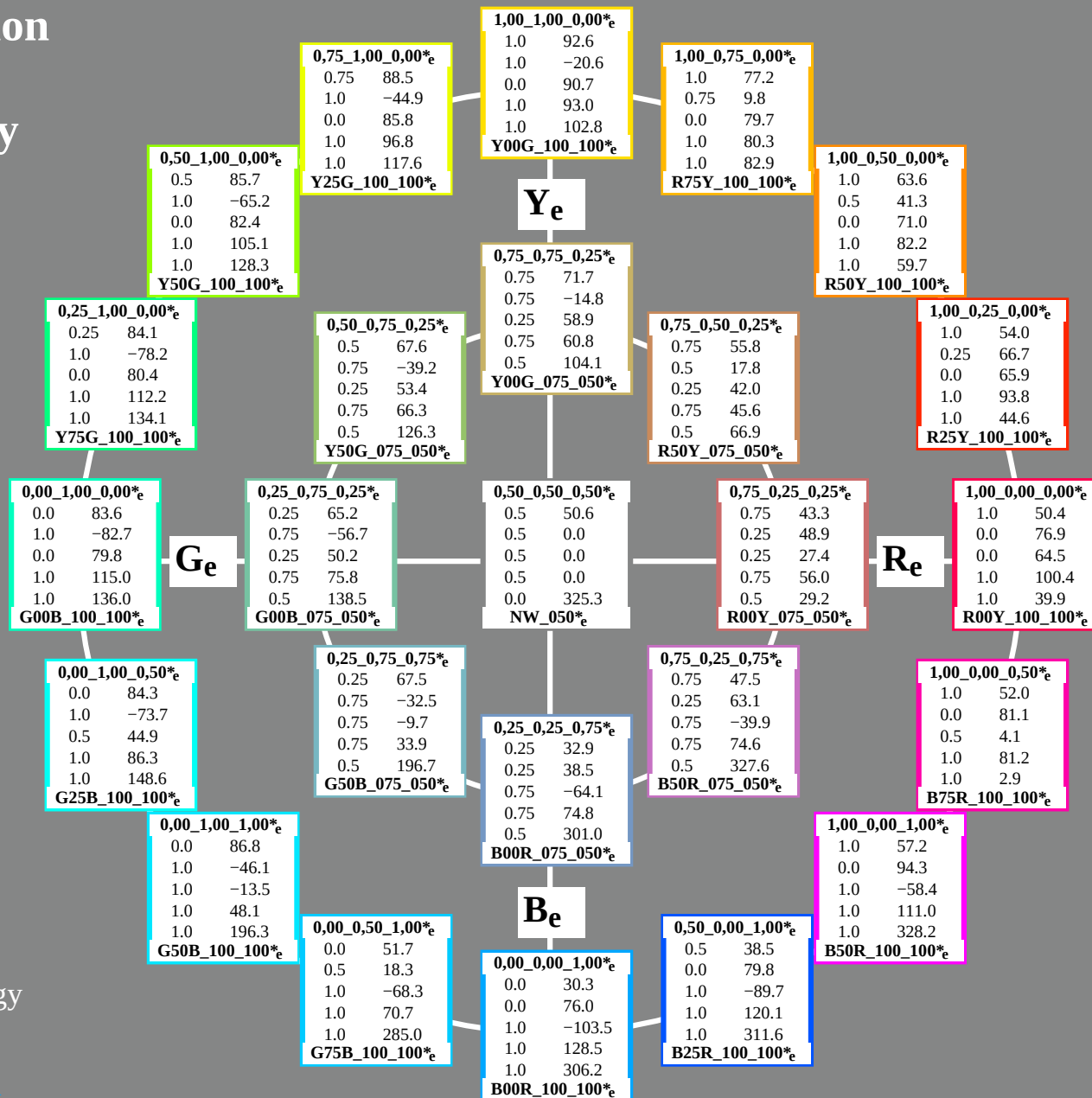
Author: Prof. Dr. Klaus Richter

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)
colour code:
 $rgbicd$; $LabCh^*_d$

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TUB-test chart PE72; hue circle; 16 and 8 steps
25 standard colours for D65, 3D=1, $de=1^*$

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to rgb^*_{de}



Colour and Colour Vision Elementary Colours in Information Technology

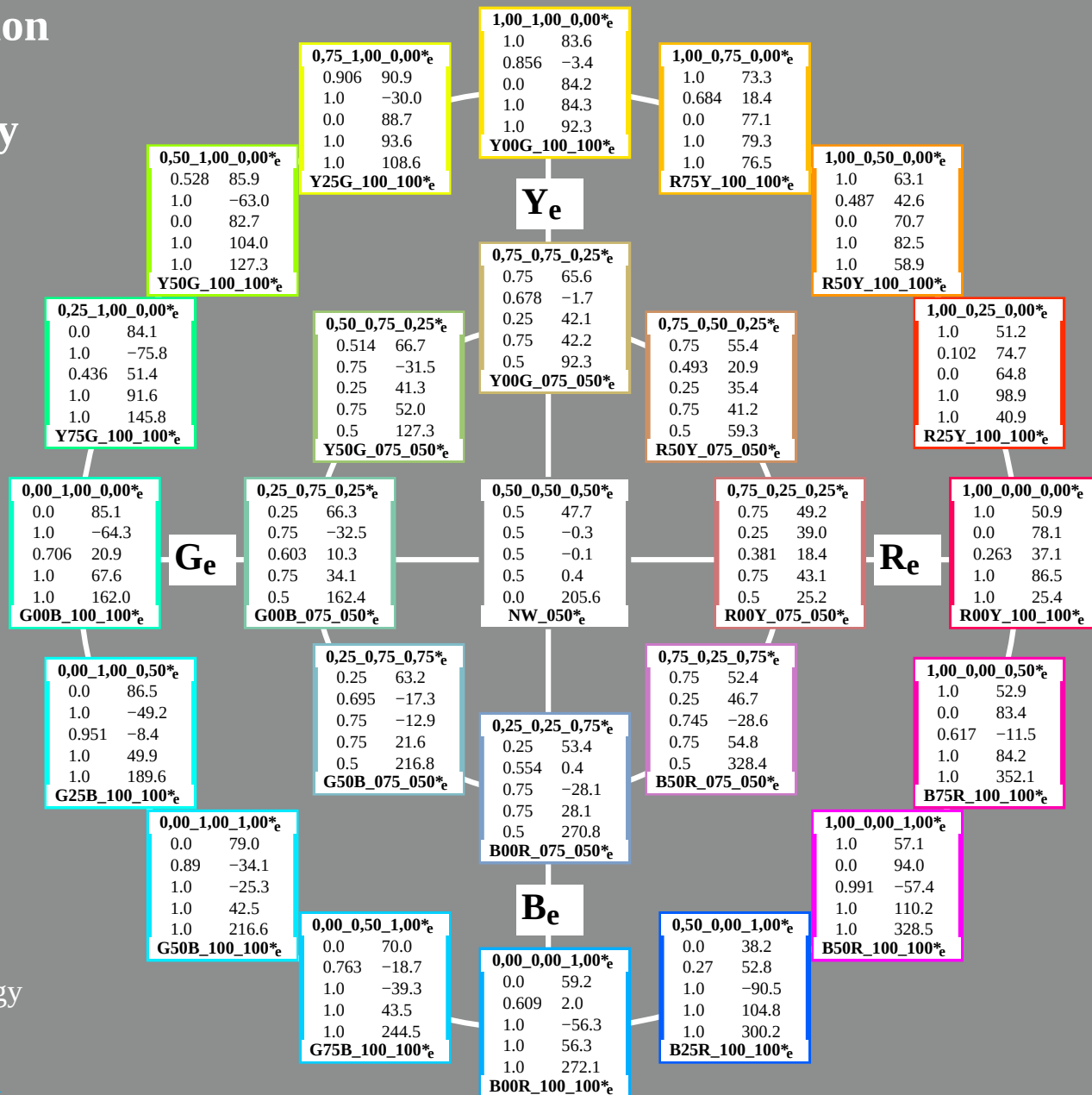
Author: Prof. Dr. Klaus Richter

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)
colour code:
 $rgbic^*_de$; $LabCh^*_de$

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TUB-test chart PE72; hue circle; 16 and 8 steps
25 standard colours for D65, 3D=1, $de=1^*$

input: $rgb/cmyk \rightarrow rgb^*_de$
output: 3D-linearization to rgb^*_de



TUB registration: 20150701-PE72/PE72L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Colour and Colour Vision Elementary Colours in Information Technology

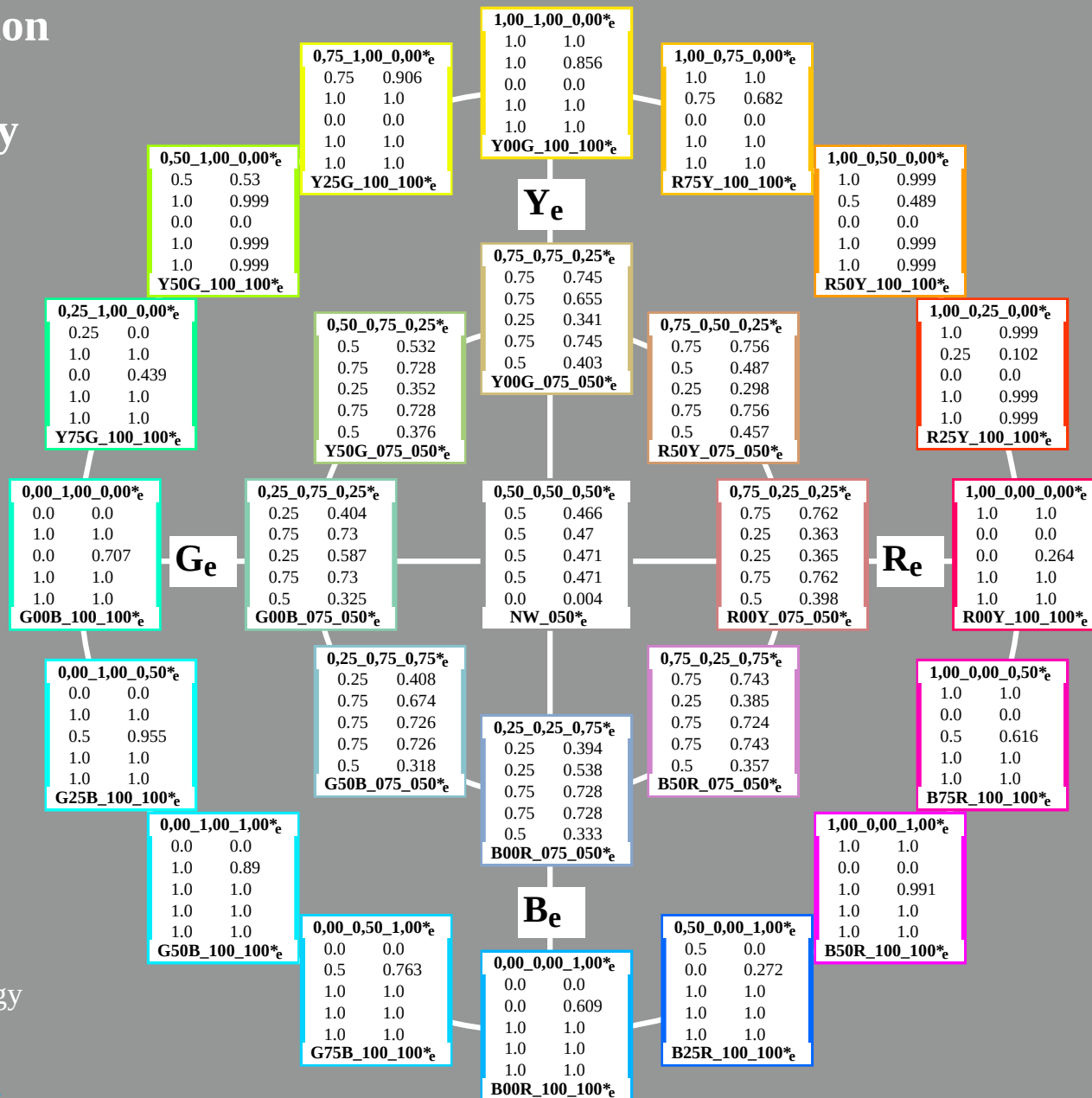
Author: Prof. Dr. Klaus Richter

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)
colour code:
 $rgbic^*_d$; $rgbic^*_de$

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TUB-test chart PE72; hue circle; 16 and 8 steps
25 standard colours for D65, 3D=1, $de=1^*$

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to rgb^*_de



Colour and Colour Vision Elementary Colours in Information Technology

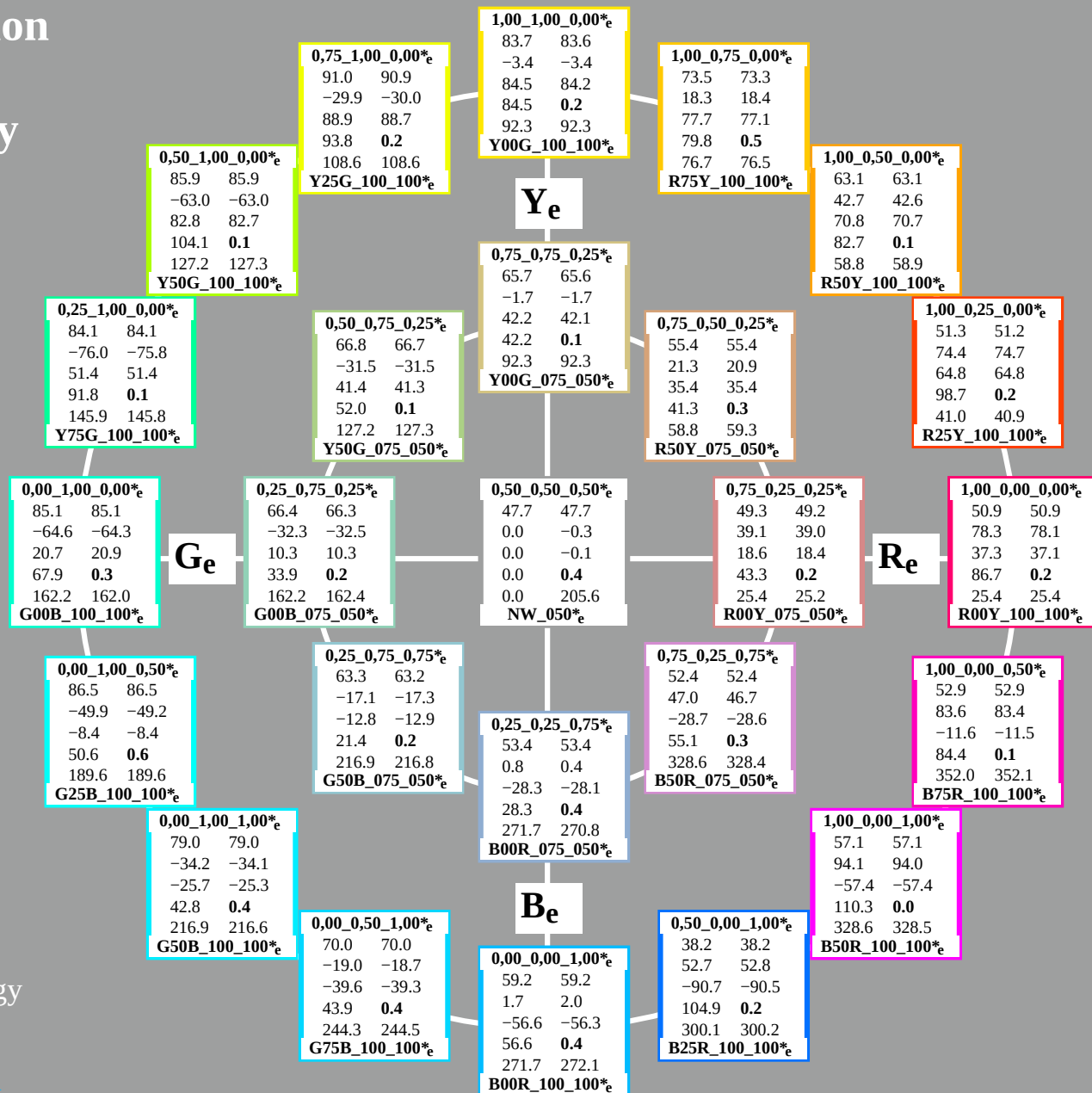
Author: Prof. Dr. Klaus Richter

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)
colour code:
 $LabCh^*_{de}$; $Lab^*/DE^*/h^*_{de}$

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and <http://130.149.60.45/~farbmetrik>

TUB-test chart PE72; hue circle; 16 and 8 steps
25 standard colours for D65, 3D=1, $de=1^*$

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to rgb^*_{de}



see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n/j	HIC*F _{de}	rgb_F _{de}	ict_F _{de}	hsi_F _{de}	rgb*F _{de}	LabCh*F _{de}	rgb**F _{de}	LabCh**F _{de}	DE**F _{de} hsiM _{de}	rgb*M _{de}	LabCh*M _{de}
0/648	R00Y_100_100de	1.0 0.0 0.0	1.0 1.0 0.5	390	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4	1.0 0.0 0.264	50.9 78.1 37.1	86.5 25.4	0.2 375
1/657	R13Y_100_100de	1.0 0.125 0.0	1.0 1.0 0.5	37	1.0 0.0 0.156	50.6 77.6 50.9	92.9 33.2	1.0 0.0 0.157	50.6 77.3 51.2	92.8 33.5	0.4 381
2/666	R25Y_100_100de	1.0 0.25 0.0	1.0 1.0 0.5	44	1.0 0.102 0.0	51.3 74.4 64.8	98.7 41.0	0.999 0.102 0.0	51.2 74.7 64.8	98.9 40.9	0.2 35
3/675	R38Y_100_100de	1.0 0.375 0.0	1.0 1.0 0.5	52	1.0 0.358 0.0	57.6 56.9 67.8	88.5 49.9	0.999 0.359 0.0	57.6 57.0 67.6	88.4 49.8	0.1 50
4/684	R50Y_100_100de	1.0 0.5 0.0	1.0 1.0 0.5	60	1.0 0.487 0.0	63.1 42.7 70.8	82.7 58.8	0.999 0.489 0.0	63.1 42.6 70.7	82.5 58.9	0.1 59
5/693	R63Y_100_100de	1.0 0.625 0.0	1.0 1.0 0.5	68	1.0 0.589 0.0	68.2 30.2 74.2	80.1 67.8	1.0 0.588 0.0	68.1 30.4 73.7	79.8 67.5	0.4 65
6/702	R75Y_100_100de	1.0 0.75 0.0	1.0 1.0 0.5	76	1.0 0.684 0.0	73.5 18.3 77.7	79.8 76.0	1.0 0.682 0.0	73.3 18.4 77.1	79.3 76.5	0.5 72
7/711	R88Y_100_100de	1.0 0.875 0.0	1.0 1.0 0.5	83	1.0 0.767 0.0	78.3 7.7 80.7	81.0 84.5	1.0 0.766 0.0	78.2 7.7 80.4	80.8 84.4	0.2 77
8/720	Y00G_100_100de	1.0 1.0 0.0	1.0 1.0 0.5	90	1.0 0.856 0.0	83.7 -3.4 84.5	84.5 92.3	1.0 0.856 0.0	83.6 -3.4 84.2	84.3 92.3	0.2 82
9/639	Y13G_100_100de	0.875 1.0 0.0	1.0 1.0 0.5	97	1.0 0.966 0.0	90.5 -16.5 89.4	91.0 100.4	1.0 0.966 0.0	90.5 -16.7 89.1	90.7 100.6	0.3 88
10/558	Y25G_100_100de	0.75 1.0 0.0	1.0 1.0 0.5	104	0.906 1.0 0.0	91.0 -29.9 88.9	93.8 108.6	0.906 1.0 0.0	90.9 -30.0 88.7	93.6 108.6	0.2 94
11/477	Y38G_100_100de	0.625 1.0 0.0	1.0 1.0 0.5	112	0.743 1.0 0.0	88.4 -45.5 85.7	97.1 117.9	0.742 0.999 0.0	88.4 -45.6 85.7	97.0 118.0	0.1 104
12/396	Y50G_100_100de	0.5 1.0 0.0	1.0 1.0 0.5	120	0.528 1.0 0.0	85.9 -63.0 82.8	104.1 127.2	0.53 0.999 0.0	85.9 -63.0 82.7	104.0 127.3	0.1 118
13/315	Y63G_100_100de	0.375 1.0 0.0	1.0 1.0 0.5	128	0.0 1.0 0.072	83.6 -82.4 77.9	113.4 136.5	0.005 1.0 0.072	83.6 -82.3 78.4	113.7 136.4	0.4 153
14/234	Y75G_100_100de	0.25 1.0 0.0	1.0 1.0 0.5	136	0.0 1.0 0.436	84.1 -76.0 51.4	91.8 145.9	0.0 1.0 0.439	84.1 -75.8 51.4	91.6 145.8	0.1 175
15/153	Y88G_100_100de	0.125 1.0 0.0	1.0 1.0 0.5	143	0.0 1.0 0.593	84.6 -70.0 34.0	77.9 154.0	0.0 1.0 0.594	84.6 -69.9 34.2	77.8 153.9	0.2 186
16/72	G00C_100_100de	0.0 1.0 0.0	1.0 1.0 0.5	150	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2	0.0 1.0 0.707	85.1 -64.3 20.9	67.6 162.0	0.3 193
17/73	G13C_100_100de	0.0 1.0 0.125	1.0 1.0 0.5	157	0.0 1.0 0.778	85.5 -60.7 12.2	61.9 168.6	0.0 1.0 0.779	85.5 -60.3 12.3	61.5 168.4	0.3 197
18/74	G25C_100_100de	0.0 1.0 0.25	1.0 1.0 0.5	164	0.0 1.0 0.838	85.8 -57.1 4.9	57.3 175.0	0.0 1.0 0.841	85.8 -56.6 5.0	56.9 174.8	0.4 201
19/75	G38C_100_100de	0.0 1.0 0.375	1.0 1.0 0.5	172	0.0 1.0 0.899	86.2 -53.2 -2.1	53.3 182.3	0.0 1.0 0.901	86.2 -52.8 -2.0	52.8 182.2	0.4 204
20/76	G50C_100_100de	0.0 1.0 0.5	1.0 1.0 0.5	180	0.0 1.0 0.951	86.5 -49.9 -8.4	50.6 189.6	0.0 1.0 0.955	86.5 -49.2 -8.4	49.9 189.6	0.6 207
21/77	G63C_100_100de	0.0 1.0 0.625	1.0 1.0 0.5	188	0.0 0.997 1.0	86.6 -45.9 -13.9	47.9 196.9	0.0 0.997 1.0	86.6 -45.8 -13.8	47.9 196.8	0.1 210
22/78	G75C_100_100de	0.0 1.0 0.75	1.0 1.0 0.5	196	0.0 0.958 1.0	83.9 -42.0 -18.9	46.1 204.2	0.0 0.959 1.0	83.9 -41.8 -17.9	45.4 203.1	1.0 212
23/79	G88C_100_100de	0.0 1.0 0.875	1.0 1.0 0.5	203	0.0 0.924 1.0	81.4 -38.3 -22.6	44.5 210.5	0.0 0.925 1.0	81.5 -38.0 -21.5	43.7 209.5	1.1 213
24/80	C00B_100_100de	0.0 1.0 1.0	1.0 1.0 0.5	210	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9	0.0 0.89 1.0	79.0 -34.1 -25.3	42.5 216.6	0.4 215
25/71	C13B_100_100de	0.0 0.875 1.0	1.0 1.0 0.5	217	0.0 0.858 1.0	76.8 -30.8 -29.1	42.4 223.3	0.0 0.859 1.0	76.8 -30.5 -28.7	41.9 223.2	0.5 217
26/62	C25B_100_100de	0.0 0.75 1.0	1.0 1.0 0.5	224	0.0 0.829 1.0	74.7 -27.7 -32.7	42.8 229.7	0.0 0.831 1.0	74.8 -27.1 -31.8	41.8 229.5	1.0 219
27/53	C38B_100_100de	0.0 0.625 1.0	1.0 1.0 0.5	232	0.0 0.796 1.0	72.4 -23.6 -36.4	43.4 237.0	0.0 0.797 1.0	72.5 -23.0 -35.4	42.3 236.9	1.0 221
28/44	C50B_100_100de	0.0 0.5 1.0	1.0 1.0 0.5	240	0.0 0.763 1.0	70.0 -19.0 -39.6	43.9 244.3	0.0 0.763 1.0	70.0 -18.7 -39.3	43.5 244.5	0.4 223
29/35	C63B_100_100de	0.0 0.375 1.0	1.0 1.0 0.5	248	0.0 0.725 1.0	67.4 -14.5 -43.8	46.2 251.6	0.0 0.726 1.0	67.4 -13.9 -43.3	45.5 252.1	0.7 225
30/26	C75B_100_100de	0.0 0.25 1.0	1.0 1.0 0.5	256	0.0 0.685 1.0	64.5 -9.4 -48.6	49.5 258.9	0.0 0.686 1.0	64.6 -8.7 -47.7	48.5 259.6	1.1 227
31/17	C88B_100_100de	0.0 0.125 1.0	1.0 1.0 0.5	263	0.0 0.649 1.0	62.0 -4.2 -52.3	52.5 265.3	0.0 0.65 1.0	62.0 -3.7 -51.8	49.1 265.9	0.7 230
32/8	B00M_100_100de	0.0 0.0 1.0	1.0 1.0 0.5	270	0.0 0.609 1.0	59.2 1.7 -56.6	56.6 271.7	0.0 0.609 1.0	59.2 2.0 -56.3	56.3 272.1	0.4 232
33/89	B13M_100_100de	0.125 0.0 1.0	1.0 1.0 0.5	277	0.0 0.554 1.0	55.5 9.2 -63.0	63.6 278.3	0.0 0.557 1.0	55.6 9.6 -62.0	62.7 278.8	1.0 236
34/170	B25M_100_100de	0.25 0.0 1.0	1.0 1.0 0.5	284	0.0 0.5 1.0	51.8 18.3 -68.3	70.7 285.0	0.0 0.502 1.0	51.9 18.0 -68.0	70.4 284.8	0.3 239
35/251	B38M_100_100de	0.375 0.0 1.0	1.0 1.0 0.5	292	0.0 0.404 1.0	45.7 32.7 -78.6	85.1 292.5	0.0 0.407 1.0	45.8 32.6 -78.0	84.5 292.7	0.6 246
36/332	B50M_100_100de	0.5 0.0 1.0	1.0 1.0 0.5	300	0.0 0.27 1.0	38.2 52.7 -90.7	104.9 300.1	0.0 0.272 1.0	38.2 52.8 -90.5	104.8 300.2	0.2 254
37/413	B63M_100_100de	0.625 0.0 1.0	1.0 1.0 0.5	308	0.263 0.0 1.0	32.8 76.9 -99.3	125.7 307.7	0.264 0.0 0.999	32.8 76.9 -99.4	125.7 307.7	0.0 284
38/494	B75M_100_100de	0.75 0.0 1.0	1.0 1.0 0.5	316	0.638 0.0 1.0	43.2 82.9 -81.9	116.5 315.3	0.637 0.0 1.0	43.1 82.8 -82.0	116.5 315.2	0.1 309
39/575	B88M_100_100de	0.875 0.0 1.0	1.0 1.0 0.5	323	0.837 0.0 1.0	50.7 88.7 -69.4	112.6 321.9	0.837 0.0 1.0	50.6 88.6 -69.4	112.5 321.9	0.1 321
40/656	M00R_100_100de	1.0 0.0 1.0	1.0 1.0 0.5	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6	1.0 0.0 0.991	57.1 94.0 -57.4	110.2 328.5	0.0 330
41/655	M13R_100_100de	1.0 0.0 0.875	1.0 1.0 0.5	337	1.0 0.0 0.855	55.4 89.9 -41.4	99.0 335.2	1.0 0.0 0.854	55.3 89.7 -41.4	98.8 335.1	0.2 337
42/654	M25R_100_100de	1.0 0.0 0.75	1.0 1.0 0.5	344	1.0 0.0 0.747	54.1 86.7 -28.3	91.2 341.8	1.0 0.0 0.746	54.1 86.6 -28.2	91.1 341.9	0.1 344
43/653	M38R_100_100de	1.0 0.0 0.625	1.0 1.0 0.5	352	1.0 0.0 0.65	53.2 84.5 -15.7	85.9 349.4	1.0 0.0 0.647	53.2 84.1 -15.6	85.6 349.4	0.3 350
44/652	M50R_100_100de	1.0 0.0 0.5	1.0 1.0 0.5	360	1.0 0.0 0.617	52.9 83.6 -11.6	84.4 352.0	1.0 0.0 0.616	52.9 83.4 -11.5	84.2 352.1	0.1 352
45/651	M63R_100_100de	1.0 0.0 0.375	1.0 1.0 0.5	368	1.0 0.0 0.521	52.2 81.8 1.3	81.8 0.9	1.0 0.0 0.522	52.2 81.5 1.1	81.5 0.7	0.3 358
46/650	M75R_100_100de	1.0 0.0 0.25	1.0 1.0 0.5	376	1.0 0.0 0.429	51.6 80.5 14.0	81.7 9.8	1.0 0.0 0.431	51.6 80.0 13.7	81.2 9.7	0.6 364
47/649	M88R_100_100de	1.0 0.0 0.125	1.0 1.0 0.5	383	1.0 0.0 0.348	51.2 79.3 25.2	83.2 17.6	1.0 0.0 0.35	51.2 78.9 25.0	82.8 17.6	0.3 369
48/648	R00Y_100_100de	1.0 0.0 0.0	1.0 1.0 0.5	390	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4	1.0 0.0 0.264	50.9 78.1 37.1	86.5 25.4	0.2 375
49/0	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 360
50/91	NW_013de	0.125 0.125 0.125	0.125 0.0 0.125	360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0	0.129 0.132 0.132	11.9 -0.2 0.0	0.2 198.6	0.2 360
51/182	NW_025de	0.25 0.25 0.25	0.25 0.0 0.25	360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0	0.232 0.236 0.237	23.7 -0.4 -0.2	0.4 207.2	0.4 360
52/273	NW_038de	0.375 0.375 0.375	0.375 0.0 0.375	360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0	0.345 0.35 0.35	35.7 -0.4 -0.2	0.5 205.6	0.5 360
53/364	NW_050de	0.5 0.5 0.5	0.5 0.0 0.5	360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0	0.466 0.47 0.471	47.7 -0.3 -0.1	0.4 205.6	0.4 360
54/455	NW_063de	0.625 0.625 0.625	0.625 0.0 0.625	360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0	0.559 0.593 0.594	59.4 -0.2 -0.1	0.3 206.3	0.3 360
55/546	NW_075de	0.75 0.75 0.75	0.75 0.0 0.75	360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0	0.721 0.724 0.724	71.3 -0.1 0.0	0.2 207.8	0.2 360
56/637	NW_088de	0.875 0.875 0.875	0.875 0.0 0.875	360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0	0.858 0.86 0.86	83.3 0.0 0.0	0.1 212.6	0.1 360
57/728	NW_100de	1.0 1.0 1.0	1.0 0.0 1.0	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0 325.2	0.0 360

Mean color difference of this page: $\Delta E^* = 0.4$

delta E** = 0.4

TUB-test chart PE72; hue circle; 16 and 8 steps
colors and differences, ΔE^* , 3D=1, de=1*

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to rgb^*_{de}

TUB registration: 20150701-PE72/PE72L0FP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n/j	HIC*F _{de}	rgb_F _{de}	ict_F _{de}	hsi_F _{de}	rgb*F _{de}	LabCh*F _{de}	rgb*F _{de}	LabCh*F _{de}	DE*F _{de} hsiM _{de}	rgb*M _{de}	LabCh*M _{de}
0/648	R00Y_100_100de	1.0 0.0 0.0	1.0 1.0 0.5	390	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4	1.0 0.0 0.264	50.9 78.1 37.1	86.5 25.4 0.2	375
1/666	R25Y_100_100de	1.0 0.25 0.0	1.0 1.0 0.5	44	1.0 0.102 0.0	51.3 74.4 64.8	98.7 41.0	0.999 0.102 0.0	51.2 74.7 64.8	98.9 40.9 0.2	35
2/684	R50Y_100_100de	1.0 0.5 0.0	1.0 1.0 0.5	60	1.0 0.487 0.0	63.1 42.7 70.8	82.7 58.8	0.999 0.489 0.0	63.1 42.6 70.7	82.5 58.9 0.1	59
3/702	R75Y_100_100de	1.0 0.75 0.0	1.0 1.0 0.5	76	1.0 0.684 0.0	73.5 18.3 77.7	79.8 76.7	1.0 0.682 0.0	73.3 18.4 77.1	79.3 76.5 0.5	72
4/720	Y00G_100_100de	1.0 1.0 0.0	1.0 1.0 0.5	90	1.0 0.856 0.0	83.7 -3.4 84.5	84.5 92.3	1.0 0.856 0.0	83.6 -3.4 84.2	84.3 92.3 0.2	82
5/558	Y25G_100_100de	0.75 1.0 0.0	1.0 1.0 0.5	104	0.906 1.0 0.0	91.0 -29.9 88.9	93.8 108.6	0.906 1.0 0.0	90.9 -30.0 88.7	93.6 108.6 0.2	94
6/396	Y50G_100_100de	0.5 1.0 0.0	1.0 1.0 0.5	120	0.528 1.0 0.0	85.9 -63.0 82.8	104.1 127.2	0.53 0.999 0.0	85.9 -63.0 82.7	104.0 127.3 0.1	118
7/234	Y75G_100_100de	0.25 1.0 0.0	1.0 1.0 0.5	136	0.0 1.0 0.436	84.1 -76.0 51.4	91.8 145.9	0.0 1.0 0.439	84.1 -75.8 51.4	91.6 145.8 0.1	175
8/72	G00B_100_100de	0.0 1.0 0.0	1.0 1.0 0.5	150	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2	0.0 1.0 0.707	85.1 -64.3 20.9	67.6 162.0 0.3	193
9/72	G00B_100_100de	0.0 1.0 0.0	1.0 1.0 0.5	150	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2	0.0 1.0 0.707	85.1 -64.3 20.9	67.6 162.0 0.3	193
10/76	G25B_100_100de	0.0 1.0 0.5	1.0 1.0 0.5	180	0.0 1.0 0.951	86.5 -49.9 -8.4	50.6 189.6	0.0 1.0 0.955	86.5 -49.2 -8.4	49.9 189.6 0.6	207
11/80	G50B_100_100de	0.0 1.0 1.0	1.0 1.0 0.5	210	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9	0.0 0.89 1.0	79.0 -34.1 -25.3	42.5 216.6 0.4	215
12/44	G75B_100_100de	0.0 0.5 1.0	1.0 1.0 0.5	240	0.0 0.763 1.0	70.0 -19.0 -39.6	43.9 244.3	0.0 0.763 1.0	70.0 -18.7 -39.3	43.5 244.5 0.4	223
13/8	B00M_100_100de	0.0 0.0 1.0	1.0 1.0 0.5	270	0.0 0.609 1.0	59.2 1.7 -56.6	56.6 271.7	0.0 0.609 1.0	59.2 2.0 -56.3	56.3 272.1 0.4	232
14/332	B25R_100_100de	0.5 0.0 1.0	1.0 1.0 0.5	300	0.0 0.27 1.0	38.2 52.7 -90.7	104.9 300.1	0.0 0.272 1.0	38.2 52.8 -90.5	104.8 300.2 0.2	254
15/656	B50R_100_100de	1.0 0.0 1.0	1.0 1.0 0.5	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6	1.0 0.0 0.991	57.1 94.0 -57.4	110.2 328.5 0.0	330
16/652	B75R_100_100de	1.0 0.0 0.5	1.0 1.0 0.5	360	1.0 0.0 0.617	52.9 83.6 -11.6	84.4 352.0	1.0 0.0 0.616	52.9 83.4 -11.5	84.2 352.1 0.1	352
17/648	R00Y_100_100de	1.0 0.0 0.0	1.0 1.0 0.5	390	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4	1.0 0.0 0.264	50.9 78.1 37.1	86.5 25.4 0.2	375
18/688	R00Y_100_050de	1.0 0.5 0.5	1.0 0.5 0.75	390	1.0 0.5 0.631	73.1 39.1 18.6	43.3 25.4	1.0 0.622 0.61	71.4 33.9 16.1	37.6 25.4 5.9	375
19/706	R50Y_100_050de	1.0 0.75 0.5	1.0 0.5 0.75	60	1.0 0.743 0.5	79.2 31.3 35.4	41.3 58.8	1.0 0.745 0.545	77.9 16.5 33.4	37.3 25.4 5.3	59
20/724	Y00G_100_050de	1.0 1.0 0.5	1.0 0.5 0.75	90	1.0 0.928 0.5	89.5 -1.7 42.2	42.2 92.3	1.0 0.925 0.594	88.9 -4.7 41.4	41.7 96.5 3.2	82
21/562	Y50G_100_050de	0.75 1.0 0.5	1.0 0.5 0.75	120	0.764 1.0 0.5	90.7 -31.5 41.4	52.0 127.2	0.803 1.0 0.5	90.2 -31.1 41.0	51.5 127.1 0.6	118
22/490	G00B_100_050de	0.5 1.0 0.5	1.0 0.5 0.75	150	0.5 1.0 0.853	90.2 -32.3 10.3	33.9 162.2	0.673 1.0 0.853	89.6 -31.6 9.5	33.9 163.2 1.2	193
23/404	G50B_100_050de	0.5 1.0 1.0	1.0 0.5 0.75	210	0.5 0.945 1.0	87.2 -17.1 -12.8	21.4 216.9	0.676 0.947 1.0	87.1 -17.5 -12.7	21.7 216.0 0.4	215
24/368	B00R_100_050de	0.5 0.5 1.0	1.0 0.5 0.75	270	0.5 0.804 1.0	77.3 0.8 -28.3	28.3 271.7	0.66 0.797 1.0	77.1 0.3 -27.9	27.9 270.8 0.6	232
25/692	B50R_100_050de	1.0 0.5 1.0	1.0 0.5 0.75	330	1.0 0.5 0.995	76.3 47.0 -28.7	55.1 328.6	1.0 0.645 1.0	75.4 45.0 -29.9	54.1 326.3 2.5	330
26/688	R00Y_100_050de	1.0 0.5 0.5	1.0 0.5 0.75	390	1.0 0.5 0.631	73.1 39.1 18.6	43.3 25.4	1.0 0.622 0.61	71.4 33.9 16.1	37.6 25.4 5.9	375
27/506	R00Y_075_050de	0.75 0.25 0.25	0.75 0.5 0.5	390	0.75 0.25 0.381	49.3 39.1 18.6	43.3 25.4	0.762 0.363 0.365	49.2 39.0 18.4	43.1 25.2 0.2	375
28/524	R50Y_075_050de	0.75 0.5 0.25	0.75 0.5 0.5	60	0.75 0.493 0.25	55.4 21.3 35.4	41.3 58.8	0.756 0.487 0.298	55.4 20.9 35.4	41.2 59.3 0.3	59
29/542	Y00G_075_050de	0.75 0.75 0.25	0.75 0.5 0.5	90	0.75 0.678 0.25	65.7 -1.7 42.2	42.2 92.3	0.745 0.655 0.341	65.6 -1.9 42.1	42.2 92.3 0.1	82
30/380	Y50G_075_050de	0.5 0.75 0.25	0.75 0.5 0.5	120	0.514 0.75 0.25	66.8 -31.5 41.4	52.0 127.2	0.532 0.728 0.352	66.7 -31.5 41.3	52.0 127.3 0.1	118
31/218	G00B_075_050de	0.25 0.75 0.25	0.75 0.5 0.5	150	0.25 0.75 0.603	66.4 -32.3 10.3	33.9 162.2	0.404 0.73 0.587	66.3 -32.5 10.3	34.1 162.4 0.2	193
32/222	G50B_075_050de	0.25 0.75 0.75	0.75 0.5 0.5	210	0.25 0.695 0.75	63.3 -17.1 -12.8	21.4 216.9	0.408 0.674 0.726	63.2 -17.3 -12.9	21.6 216.8 0.2	215
33/186	B00R_075_050de	0.25 0.25 0.75	0.75 0.5 0.5	270	0.25 0.554 0.75	53.4 0.8 -28.3	28.3 271.7	0.394 0.538 0.728	53.4 0.4 -28.1	28.1 270.8 0.4	232
34/510	B50R_075_050de	0.75 0.25 0.75	0.75 0.5 0.5	330	0.75 0.25 0.745	52.4 47.0 -28.7	55.1 328.6	0.743 0.385 0.724	52.4 46.7 -28.6	54.8 328.4 0.3	330
35/506	R00Y_075_050de	0.75 0.25 0.25	0.75 0.5 0.5	390	0.75 0.25 0.381	49.3 39.1 18.6	43.3 25.4	0.762 0.363 0.365	49.2 39.0 18.4	43.1 25.2 0.2	375
36/324	R00Y_050_050de	0.5 0.0 0.0	0.5 0.5 0.25	390	0.5 0.0 0.131	25.4 39.1 18.6	43.3 25.4	0.482 0.102 0.144	25.2 39.8 18.4	43.9 24.8 0.7	375
37/342	R50Y_050_050de	0.5 0.25 0.0	0.5 0.5 0.25	60	0.5 0.243 0.0	31.5 21.3 35.4	41.3 58.8	0.48 0.247 0.061	31.5 21.4 36.4	42.2 59.4 0.9	59
38/360	Y00G_050_050de	0.5 0.5 0.0	0.5 0.5 0.25	90	0.5 0.428 0.0	41.8 -1.7 42.2	42.2 92.3	0.476 0.408 0.088	41.9 -1.9 43.0	43.1 92.5 0.8	82
39/198	Y50G_050_050de	0.25 0.5 0.0	0.5 0.5 0.25	120	0.264 0.5 0.0	42.9 -31.5 41.4	52.0 127.2	0.273 0.472 0.095	43.0 -32.2 42.2	53.1 127.3 1.0	118
40/36	G00B_050_050de	0.0 0.5 0.0	0.5 0.5 0.25	150	0.0 0.5 0.353	42.5 -32.3 10.3	33.9 162.2	0.126 0.473 0.343	42.7 -32.9 10.5	34.5 162.2 0.6	193
41/40	G50B_050_050de	0.0 0.5 0.5	0.5 0.5 0.25	210	0.0 0.445 0.5	39.5 -17.1 -12.8	21.4 216.9	0.126 0.424 0.472	39.6 -17.6 -12.9	21.9 216.1 0.5	215
42/4	B00R_050_050de	0.0 0.0 0.5	0.5 0.5 0.25	270	0.0 0.304 0.5	29.6 0.8 -28.3	28.3 271.7	0.112 0.3 0.473	29.6 0.1 -28.5	28.5 270.3 0.7	232
43/328	B50R_050_050de	0.5 0.0 0.5	0.5 0.5 0.25	330	0.5 0.0 0.495	28.5 47.0 -28.7	55.1 328.6	0.475 0.121 0.469	28.5 47.2 -29.1	55.4 328.3 0.4	330
44/324	R00Y_050_050de	0.5 0.0 0.0	0.5 0.5 0.25	390	0.5 0.0 0.131	25.4 39.1 18.6	43.3 25.4	0.482 0.102 0.144	25.2 39.8 18.4	43.9 24.8 0.7	375
45/0	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	360
46/91	NW_013de	0.125 0.125 0.125	0.125 0.0 0.125	360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0	0.129 0.132 0.132	11.9 -0.2 0.0	0.2 198.6 0.2	360
47/182	NW_025de	0.25 0.25 0.25	0.25 0.0 0.25	360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0	0.232 0.236 0.237	23.7 -0.4 -0.2	0.4 207.2 0.4	360
48/273	NW_038de	0.375 0.375 0.375	0.375 0.0 0.375	360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0	0.345 0.35 0.35	35.7 -0.4 -0.2	0.5 205.6 0.5	360
49/364	NW_050de	0.5 0.5 0.5	0.5 0.0 0.5	360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0	0.466 0.47 0.471	47.7 -0.3 -0.1	0.4 205.6 0.4	360
50/455	NW_063de	0.625 0.625 0.625	0.625 0.0 0.625	360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0	0.59 0.593 0.594	59.4 -0.2 -0.1	0.3 206.3 0.3	360
51/546	NW_075de	0.75 0.75 0.75	0.75 0.0 0.75	360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0	0.721 0.724 0.724	71.3 -0.1 0.0	0.2 207.8 0.2	360
52/637	NW_088de	0.875 0.875 0.875	0.875 0.0 0.875	360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0	0.858 0.86 0.86	83.3 0.0 0.0	0.1 212.6 0.1	360
53/728	NW_100de	1.0 1.0 1.0	1.0 0.0 1.0	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	0.0 325.2 0.0	360
Mean color difference of this page: $\Delta E^* = 0.8$											

TUB-test chart PE72; hue circle; 16 and 8 steps
colors and differences, ΔE^* , 3D=1, de=1*

input: $rgb/cmyk \rightarrow rgb_{de}$
output: 3D-linearization to rgb^*_{de}

TUB registration: 20150701-PE72/PE72L0FP.PDF /.PS
application for measurement of display output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n\j	HIC**Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb**Fde	LabCh**Fde	DE**Fde hsi_M
0	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	B00R_012_012de	0.0	0.0	0.125	0.125	0.062	270	0.055	0.084
2	B00R_025_025de	0.0	0.0	0.25	0.25	0.125	270	0.079	0.16
3	B00R_037_037de	0.0	0.0	0.375	0.375	0.187	270	0.102	0.227
4	B00R_050_050de	0.0	0.0	0.5	0.5	0.25	270	0.112	0.3
5	B00R_062_062de	0.0	0.0	0.625	0.625	0.312	270	0.123	0.374
6	B00R_075_075de	0.0	0.0	0.75	0.75	0.375	270	0.08	0.451
7	B00R_087_087de	0.0	0.0	0.875	0.875	0.437	270	0.033	0.53
8	B00R_100_100de	0.0	0.0	1.0	1.0	0.5	270	0.069	1.0
9	G00B_012_012de	0.0	0.125	0.0	0.125	0.062	150	0.058	0.134
10	G50B_012_012de	0.0	0.125	0.125	0.125	0.062	210	0.011	0.133
11	G75B_025_025de	0.0	0.125	0.25	0.25	0.125	240	0.078	0.191
12	G84B_037_037de	0.0	0.125	0.375	0.375	0.187	251	0.102	0.261
13	G88B_050_050de	0.0	0.125	0.5	0.5	0.25	256	0.099	0.334
14	G90B_062_062de	0.0	0.125	0.625	0.625	0.312	259	0.096	0.41
15	G92B_075_075de	0.0	0.125	0.75	0.75	0.375	261	0.065	0.488
16	G93B_087_087de	0.0	0.125	0.875	0.875	0.437	262	0.0	0.568
17	G94B_100_100de	0.0	0.125	1.0	1.0	0.5	263	0.0649	1.0
18	G00B_025_025de	0.0	0.25	0.0	0.25	0.125	150	0.025	0.176
19	G25B_025_025de	0.0	0.25	0.125	0.25	0.125	180	0.0222	0.25
20	G50B_025_025de	0.0	0.25	0.25	0.25	0.125	210	0.0303	0.375
21	G65B_037_037de	0.0	0.25	0.375	0.375	0.187	229	0.0381	0.5
22	G75B_050_050de	0.0	0.25	0.5	0.5	0.25	240	0.456	0.625
23	G80B_062_062de	0.0	0.25	0.625	0.625	0.312	247	0.532	0.75
24	G84B_075_075de	0.0	0.25	0.75	0.75	0.375	251	0.608	0.875
25	G86B_087_087de	0.0	0.25	0.875	0.875	0.437	254	0.685	1.0
26	G88B_100_100de	0.0	0.25	1.0	1.0	0.5	256	0.375	0.264
27	G00B_037_037de	0.0	0.375	0.0	0.375	0.187	150	0.375	0.33
28	G15B_037_037de	0.0	0.375	0.125	0.375	0.187	169	0.368	0.375
29	G34B_037_037de	0.0	0.375	0.25	0.375	0.187	191	0.333	0.375
30	G50B_037_037de	0.0	0.375	0.375	0.375	0.187	210	0.414	0.5
31	G61B_050_050de	0.0	0.375	0.5	0.5	0.25	224	0.495	0.625
32	G69B_062_062de	0.0	0.375	0.625	0.625	0.312	233	0.572	0.75
33	G75B_075_075de	0.0	0.375	0.75	0.75	0.375	240	0.648	0.875
34	G79B_087_087de	0.0	0.375	0.875	0.875	0.437	245	0.725	1.0
35	G81B_100_100de	0.0	0.375	1.0	1.0	0.5	248	0.5	0.353
36	G00B_050_050de	0.0	0.5	0.0	0.5	0.25	150	0.5	0.419
37	G11B_050_050de	0.0	0.5	0.125	0.5	0.25	164	0.5	0.475
38	G25B_050_050de	0.0	0.5	0.25	0.5	0.25	180	0.42	0.479
39	G38B_050_050de	0.0	0.5	0.375	0.5	0.25	196	0.445	0.5
40	G50B_050_050de	0.0	0.5	0.5	0.5	0.25	210	0.526	0.625
41	G59B_062_062de	0.0	0.5	0.625	0.625	0.312	221	0.606	0.75
42	G65B_075_075de	0.0	0.5	0.75	0.75	0.375	229	0.686	0.875
43	G70B_087_087de	0.0	0.5	0.875	0.875	0.437	235	0.763	1.0
44	G75B_100_100de	0.0	0.5	1.0	1.0	0.5	240	0.625	0.441
45	G00B_062_062de	0.0	0.625	0.0	0.625	0.312	150	0.625	0.507
46	G09B_062_062de	0.0	0.625	0.125	0.625	0.312	161	0.625	0.566
47	G19B_062_062de	0.0	0.625	0.25	0.625	0.312	173	0.625	0.623
48	G30B_062_062de	0.0	0.625	0.375	0.625	0.312	187	0.589	0.625
49	G40B_062_062de	0.0	0.625	0.5	0.625	0.312	199	0.556	0.625
50	G50B_062_062de	0.0	0.625	0.625	0.625	0.312	210	0.637	0.75
51	G57B_075_075de	0.0	0.625	0.75	0.75	0.375	219	0.718	0.875
52	G63B_087_087de	0.0	0.625	0.875	0.875	0.437	226	0.796	1.0
53	G68B_100_100de	0.0	0.625	1.0	1.0	0.5	232	0.75	0.529
54	G00B_075_075de	0.0	0.75	0.0	0.75	0.375	150	0.75	0.596
55	G07B_075_075de	0.0	0.75	0.125	0.75	0.375	159	0.75	0.66
56	G15B_075_075de	0.0	0.75	0.25	0.75	0.375	169	0.75	0.713
57	G25B_075_075de	0.0	0.75	0.375	0.75	0.375	180	0.736	0.75
58	G34B_075_075de	0.0	0.75	0.5	0.75	0.375	191	0.7	0.75
59	G42B_075_075de	0.0	0.75	0.625	0.75	0.375	201	0.667	0.75
60	G50B_075_075de	0.0	0.75	0.75	0.75	0.375	210	0.747	0.875
61	G56B_087_087de	0.0	0.75	0.875	0.875	0.437	218	0.829	1.0
62	G61B_100_100de	0.0	0.75	1.0	1.0	0.5	224	0.875	0.617
63	G00B_087_087de	0.0	0.875	0.0	0.875	0.437	150	0.875	0.688
64	G06B_087_087de	0.0	0.875	0.125	0.875	0.437	158	0.875	0.748
65	G13B_087_087de	0.0	0.875	0.25	0.875	0.437	166	0.875	0.804
66	G20B_087_087de	0.0	0.875	0.375	0.875	0.437	175	0.875	0.861
67	G29B_087_087de	0.0	0.875	0.5	0.875	0.437	185	0.847	0.875
68	G36B_087_087de	0.0	0.875	0.625	0.875	0.437	194	0.812	0.875
69	G43B_087_087de	0.0	0.875	0.75	0.875	0.437	202	0.778	0.875
70	G50B_087_087de	0.0	0.875	0.875	0.875	0.437	210	0.858	1.0
71	G55B_100_100de	0.0	0.875	1.0	1.0	0.5	217	1.0	0.706
72	G00B_100_100de	0.0	1.0	0.0	1.0	0.5	150	1.0	0.778
73	G05B_100_100de	0.0	1.0	0.125	1.0	0.5	157	1.0	0.838
74	G11B_100_100de	0.0	1.0	0.25	1.0	0.5	164	1.0	0.899
75	G18B_100_100de	0.0	1.0	0.375	1.0	0.5	172	1.0	0.951
76	G25B_100_100de	0.0	1.0	0.5	1.0	0.5	180	1.0	0.951
77	G31B_100_100de	0.0	1.0	0.625	1.0	0.5	188	1.0	0.957
78	G38B_100_100de	0.0	1.0	0.75	1.0	0.5	196	1.0	0.998
79	G44B_100_100de	0.0	1.0	0.875	1.0	0.5	203	1.0	0.924
80	G50B_100_100de	0.0	1.0	1.0	1.0	0.5	210	1.0	0.89

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HIC*F _{de}	rgb_F _{de}	ict_F _{de}	hsi_F _{de}	rgb*F _{de}	LabCh*F _{de}	rgb*F _{de}	LabCh*F _{de}	DE*F _{de} hsi _{de}		
81	R00Y_012_012de	0.125 0.0 0.0	0.125 0.125 0.062	390	0.125 0.0 0.032	6.3 9.7 4.6	10.8 25.4	0.146 0.043 0.037	5.3 11.5 4.6	12.4 21.9 2.0	375
82	B50R_012_012de	0.125 0.0 0.125	0.125 0.125 0.062	330	0.125 0.0 0.123	7.1 11.7 -7.1	13.7 328.6	0.137 0.052 0.133	6.1 14.1 -8.8	16.6 328.0 3.0	330
83	B25R_025_025de	0.125 0.0 0.25	0.25 0.25 0.125	300	0.0 0.067 0.25	9.5 13.1 -22.6	26.2 300.1	0.093 0.083 0.24	8.6 14.1 -24.3	28.1 300.2 2.1	254
84	B15R_037_037de	0.125 0.0 0.375	0.375 0.375 0.187	289	0.0 0.165 0.375	17.9 10.1 -28.9	29.9 289.7	0.101 0.173 0.354	17.7 9.4 -28.8	30.3 288.2 0.9	243
85	B11R_050_050de	0.125 0.0 0.5	0.5 0.5 0.25	284	0.0 0.25 0.5	25.9 9.1 -34.1	35.3 285.0	0.129 0.25 0.473	25.9 9.1 -34.4	35.6 284.8 0.2	239
86	B09R_062_062de	0.125 0.0 0.625	0.625 0.625 0.312	281	0.0 0.327 0.625	33.3 8.9 -41.3	42.3 281.2	0.101 0.324 0.597	33.2 8.1 -41.4	42.2 281.0 0.8	238
87	B07R_075_075de	0.125 0.0 0.75	0.75 0.75 0.375	279	0.0 0.404 0.75	40.8 8.7 -48.4	49.2 280.2	0.071 0.401 0.728	40.8 8.0 -48.3	49.0 279.4 0.7	237
88	B06R_087_087de	0.125 0.0 0.875	0.875 0.875 0.437	278	0.0 0.478 0.875	48.1 9.1 -55.8	56.5 279.3	0.0 0.478 0.875	48.1 8.7 -55.7	56.4 278.9 0.3	236
89	B05R_100_100de	0.125 0.0 1.0	1.0 1.0 0.5	277	0.0 0.554 1.0	55.5 9.2 -63.0	63.6 278.3	0.0 0.557 1.0	55.6 9.6 -62.0	62.7 278.8 1.0	236
90	Y00G_012_012de	0.125 0.125 0.0	0.125 0.125 0.062	90	0.125 0.107 0.0	10.4 -0.4 10.5	10.5 9.2	0.139 0.115 0.038	10.1 -0.3 11.5	11.5 9.7 1.0	82
91	NW_012de	0.125 0.125 0.125	0.125 0.0 0.125	360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0	0.129 0.132 0.132	11.9 -0.2 0.0	0.2 198.6 0.2	360
92	B00R_025_012de	0.125 0.125 0.25	0.25 0.125 0.187	270	0.124 0.201 0.25	19.3 0.2 -7.0	7.0 271.7	0.162 0.197 0.238	19.0 -0.7 -7.5	7.5 264.4 1.0	232
93	B00R_037_025de	0.125 0.125 0.375	0.375 0.25 0.25	270	0.124 0.277 0.375	26.7 0.4 -14.1	14.1 271.7	0.199 0.267 0.353	26.6 -0.3 -14.5	14.5 268.5 0.9	232
94	B00R_050_037de	0.125 0.125 0.5	0.5 0.375 0.312	270	0.124 0.353 0.5	34.1 0.6 -21.2	21.2 271.7	0.232 0.34 0.473	34.1 0.0 -21.5	21.5 270.2 0.6	232
95	B00R_062_050de	0.125 0.125 0.625	0.625 0.5 0.375	270	0.125 0.429 0.625	41.5 0.8 -28.3	28.3 271.7	0.261 0.416 0.597	41.5 0.2 -28.1	28.1 270.4 0.6	232
96	B00R_075_062de	0.125 0.125 0.75	0.75 0.625 0.437	270	0.125 0.505 0.75	48.9 1.0 -35.3	35.3 271.7	0.282 0.494 0.727	48.9 0.4 -35.1	35.1 270.7 0.6	232
97	B00R_087_075de	0.125 0.125 0.875	0.875 0.75 0.5	270	0.125 0.582 0.875	56.3 1.2 -42.4	42.4 271.7	0.294 0.573 0.863	56.2 0.9 -42.5	42.5 271.2 0.4	232
98	B00R_100_087de	0.125 0.125 1.0	1.0 0.875 0.562	270	0.125 0.658 1.0	63.7 1.5 -49.5	49.5 271.7	0.304 0.654 1.0	63.5 1.1 -49.3	49.4 271.3 0.4	232
99	Y50G_025_025de	0.125 0.25 0.0	0.25 0.25 0.125	120	0.132 0.25 0.0	21.4 -15.7 20.7	26.0 127.2	0.15 0.238 0.071	21.4 -16.8 21.9	27.6 127.4 1.6	118
100	G00B_025_012de	0.125 0.25 0.125	0.25 0.125 0.187	150	0.124 0.25 0.213	22.5 -8.0 2.5	8.4 162.2	0.165 0.239 0.208	22.4 -9.1 2.3	9.4 165.6 1.0	193
101	G50B_025_012de	0.125 0.25 0.25	0.25 0.125 0.187	210	0.124 0.236 0.25	21.8 -4.2 -3.2	5.3 216.9	0.167 0.226 0.237	21.6 -5.1 -3.5	6.2 214.5 0.9	215
102	G75B_037_025de	0.125 0.25 0.375	0.375 0.25 0.25	240	0.124 0.315 0.375	29.4 -4.7 -9.9	10.9 244.3	0.199 0.301 0.352	29.3 -5.8 -10.2	11.7 240.2 1.1	223
103	G84B_050_037de	0.125 0.25 0.5	0.5 0.375 0.312	251	0.124 0.391 0.5	36.8 -4.7 -17.1	17.8 254.3	0.235 0.375 0.474	36.8 -5.1 -17.3	18.1 253.5 0.4	226
104	G88B_062_050de	0.125 0.25 0.625	0.625 0.5 0.375	256	0.125 0.467 0.625	44.2 -4.7 -24.3	24.7 259.9	0.256 0.453 0.598	44.2 -5.4 -24.1	24.7 257.3 0.6	227
105	G90B_075_062de	0.125 0.25 0.75	0.75 0.625 0.437	259	0.125 0.543 0.75	51.6 -4.5 -31.4	31.7 261.6	0.273 0.531 0.729	51.6 -5.1 -31.3	31.7 260.6 0.6	228
106	G92B_087_075de	0.125 0.25 0.875	0.875 0.5 0.625	261	0.125 0.619 0.875	59.0 -4.3 -38.5	38.7 263.5	0.287 0.61 0.864	58.8 -4.5 -38.7	38.9 263.3 0.2	229
107	G93B_100_087de	0.125 0.25 1.0	1.0 0.875 0.562	262	0.125 0.698 1.0	66.5 -4.4 -45.3	45.6 266.4	0.294 0.696 1.0	66.3 -4.9 -45.0	45.2 263.6 0.7	229
108	Y68G_037_037de	0.125 0.375 0.0	0.375 0.375 0.187	131	0.0 0.375 0.102	31.4 -30.0 25.1	39.1 140.0	0.125 0.354 0.133	31.5 -30.4 25.4	39.7 140.1 0.5	165
109	G00B_037_025de	0.125 0.375 0.125	0.375 0.25 0.25	150	0.124 0.375 0.301	33.2 -16.1 5.1	16.9 162.2	0.203 0.354 0.289	33.1 -17.2 5.0	17.9 163.7 1.1	193
110	G25B_037_025de	0.125 0.375 0.25	0.375 0.25 0.25	180	0.124 0.375 0.362	33.5 -12.4 -2.1	12.6 189.6	0.208 0.353 0.341	33.5 -13.4 -2.3	13.6 189.7 1.0	207
111	G50B_037_025de	0.125 0.375 0.375	0.375 0.25 0.25	210	0.124 0.347 0.375	31.6 -8.5 -6.4	10.7 216.9	0.204 0.329 0.351	31.6 -9.6 -6.7	11.7 214.7 1.1	215
112	G65B_050_037de	0.125 0.375 0.5	0.5 0.375 0.312	229	0.124 0.428 0.5	39.4 -9.4 -13.1	16.2 234.3	0.237 0.41 0.474	39.5 -10.0 -13.2	16.6 232.9 0.5	220
113	G75B_062_050de	0.125 0.375 0.625	0.625 0.5 0.375	240	0.125 0.506 0.625	46.9 -9.5 -19.8	21.9 244.3	0.266 0.489 0.596	47.0 -10.1 -19.6	22.0 242.7 0.6	223
114	G80B_075_062de	0.125 0.375 0.75	0.75 0.625 0.437	247	0.125 0.581 0.75	54.2 -9.4 -27.0	28.6 250.7	0.28 0.566 0.726	54.1 -9.9 -26.9	28.7 249.8 0.4	225
115	G84B_087_075de	0.125 0.375 0.875	0.875 0.75 0.5	251	0.125 0.657 0.875	61.6 -9.5 -34.3	35.6 254.3	0.287 0.648 0.864	61.5 -9.7 -34.4	35.8 254.2 0.2	226
116	G86B_100_087de	0.125 0.375 1.0	1.0 0.875 0.562	254	0.125 0.733 1.0	69.0 -9.4 -41.5	42.6 257.1	0.29 0.733 1.0	68.8 -10.0 -41.0	42.2 256.2 0.7	227
117	Y76G_050_050de	0.125 0.5 0.0	0.5 0.5 0.25	136	0.0 0.5 0.218	42.0 -38.0 25.7	45.9 145.9	0.131 0.474 0.226	42.2 -38.6 26.1	46.6 145.8 0.7	175
118	G00B_050_037de	0.125 0.5 0.125	0.5 0.375 0.312	150	0.124 0.5 0.389	43.8 -24.2 7.7	25.4 162.2	0.245 0.475 0.375	44.0 -24.6 7.8	25.8 162.3 0.4	193
119	G15B_050_037de	0.125 0.5 0.25	0.5 0.375 0.312	169	0.124 0.5 0.455	44.2 -20.3 0.1	20.3 179.5	0.248 0.474 0.431	44.3 -20.9 0.1	20.9 179.6 0.5	203
120	G34B_050_037de	0.125 0.5 0.375	0.5 0.375 0.312	191	0.124 0.493 0.5	44.0 -16.7 5.9	17.7 199.6	0.251 0.468 0.472	44.1 -17.1 5.9	18.1 199.2 0.4	210
121	G50B_050_037de	0.125 0.5 0.5	0.5 0.375 0.312	210	0.124 0.458 0.5	41.5 -12.8 -9.6	16.0 216.9	0.243 0.437 0.472	41.6 -13.4 -9.7	16.6 215.9 0.6	215
122	G61B_062_050de	0.125 0.5 0.625	0.625 0.5 0.375	224	0.125 0.539 0.625	49.3 -13.8 -16.3	21.4 229.7	0.264 0.52 0.597	49.3 -14.4 -16.1	21.6 228.3 0.5	219
123	G69B_075_062de	0.125 0.5 0.75	0.75 0.625 0.437	233	0.125 0.62 0.75	57.0 -14.4 -23.0	27.1 237.9	0.28 0.603 0.728	56.8 -14.7 -23.0	27.3 237.4 0.3	221
124	G75B_087_075de	0.125 0.5 0.875	0.875 0.75 0.5	240	0.125 0.697 0.875	64.4 -14.2 -29.7	32.9 244.3	0.299 0.687 0.862	64.3 -14.5 -29.8	33.2 244.0 0.3	223
125	G79B_100_087de	0.125 0.5 1.0	1.0 0.875 0.562	245	0.125 0.773 1.0	71.8 -14.1 -36.7	39.3 248.9	0.311 0.772 1.0	71.7 -14.4 -36.6	39.3 248.4 0.3	224
126	Y81G_062_062de	0.125 0.625 0.0	0.625 0.625 0.312	139	0.0 0.625 0.32	52.7 -45.8 27.1	53.2 149.4	0.13 0.596 0.319	52.6 -46.1 27.1	53.5 149.5 0.3	180
127	G00B_062_050de	0.125 0.625 0.125	0.625 0.5 0.375	150	0.125 0.625 0.478	54.5 -32.3 10.3	33.9 162.2	0.269 0.598 0.463	54.4 -32.6 10.0	34.1 162.8 0.4	193
128	G11B_062_050de	0.125 0.625 0.25	0.625 0.5 0.375	164	0.125 0.625 0.544	54.8 -28.5 2.4	28.6 175.0	0.272 0.598 0.523	54.7 -28.8 2.2	28.8 175.6 0.3	201
129	G25B_062_050de	0.125 0.625 0.375	0.625 0.5 0.375	180	0.125 0.625 0.6	55.2 -24.9 -4.2	25.3 189.6	0.276 0.597 0.574	55.1 -25.3 -4.3	25.8 189.6 0.3	207
130	G38B_062_050de	0.125 0.625 0.5	0.625 0.5 0.375	196	0.125 0.604 0.625	53.8 -21.0 9.4	23.0 204.2	0.274 0.578 0.597	53.8 -21.4 9.4	23.4 203.6 0.4	212
131	G50B_062_050de	0.125 0.625 0.625	0.625 0.5 0.375	210	0.125 0.57 0.625	51.4 -17.1 -12.8	21.4 216.9	0.271 0.547 0.595	51.4 -17.7 -12.7	21.8 215.7 0.6	215
132	G59B_075_062de	0.125 0.625 0.75	0.75 0.625 0.437	221	0.125 0.651 0.75	59.2 -18.1 -19.5	26.6 227.0	0.285 0.632 0.727	59.0 -18.3 -19.6	26.9 226.8 0.2	218
133	G65B_087_075de	0.125 0.625 0.875	0.875 0.75 0.5	229	0.125 0.731 0.875	66.9 -18.9 -26.3	32.4 234.3	0.29 0.721 0.865	66.7 -19.1 -26.4	32.66	

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsi_Mde	rgb**Mde	LabCh**Mde
162	R00Y_025_025da	0.25 0.0 0.0	0.25 0.25 0.125	390	0.25 0.0 0.065	12.7 19.5 9.3	21.6 25.4	0.248 0.077 0.076	12.1 20.4 10.6	23.0 27.4 1.6	375
163	R00Y_025_025da	0.25 0.0 0.125	0.25 0.25 0.125	360	0.25 0.0 0.154	13.2 20.9 -2.9	21.1 352.0	0.241 0.08 0.162	12.6 21.8 -4.0	232 249.6 1.5	352
164	B50R_025_025da	0.25 0.0 0.25	0.25 0.25 0.125	330	0.25 0.0 0.247	14.2 23.5 -14.3	27.5 328.6	0.241 0.086 0.237	13.7 24.5 -15.3	28.9 327.9 1.4	330
165	B34R_037_037da	0.25 0.0 0.375	0.375 0.375 0.187	311	0.166 0.0 0.375	13.9 29.6 -34.5	45.5 310.5	0.187 0.069 0.353	13.1 30.7 -36.1	47.4 310.2 2.0	296
166	B25R_050_050da	0.25 0.0 0.5	0.5 0.5 0.25	300	0.0 0.135 0.5	19.1 26.3 -45.3	52.4 300.1	0.131 0.148 0.474	18.9 26.6 -46.0	53.1 300.0 0.7	254
167	B19R_062_062da	0.25 0.0 0.625	0.625 0.625 0.312	293	0.0 0.245 0.625	28.0 21.7 -49.8	54.3 293.5	0.129 0.248 0.597	28.0 21.5 -49.8	54.2 293.3 0.2	247
168	B15R_075_075da	0.25 0.0 0.75	0.75 0.75 0.375	289	0.0 0.33 0.75	35.9 20.2 -56.2	59.8 289.7	0.078 0.33 0.728	35.7 19.6 -56.4	59.8 286.5 0.5	243
169	B13R_087_087da	0.25 0.0 0.875	0.875 0.875 0.437	286	0.0 0.416 0.875	43.9 18.9 -62.2	65.0 286.9	0.043 0.417 0.862	44.0 18.4 -62.1	64.8 286.5 0.5	241
170	B11R_100_100da	0.25 0.0 1.0	1.0 1.0 0.5	284	0.0 0.5 1.0	51.8 18.3 -68.3	70.7 285.0	0.0 0.502 1.0	51.9 18.0 -68.0	70.4 284.8 0.3	239
171	R50Y_025_025da	0.25 0.125 0.0	0.25 0.25 0.125	60	0.25 0.121 0.0	15.7 10.6 17.7	20.6 58.8	0.247 0.138 0.042	15.6 10.4 19.2	21.9 61.4 1.5	59
172	R00Y_025_012da	0.25 0.125 0.125	0.25 0.125 0.187	390	0.25 0.124 0.157	18.2 9.7 4.6	10.8 25.4	0.247 0.163 0.16	18.0 9.4 4.3	10.4 24.7 0.5	375
173	B50R_025_012da	0.25 0.125 0.25	0.25 0.125 0.187	330	0.25 0.124 0.248	19.0 11.7 -7.1	13.7 328.6	0.239 0.168 0.237	18.8 11.6 -7.6	13.8 326.6 0.5	330
174	B25R_037_025da	0.25 0.125 0.375	0.375 0.25 0.25	300	0.124 0.192 0.375	21.4 13.1 -22.6	26.2 300.1	0.206 0.192 0.355	21.0 12.8 -23.5	26.7 298.6 0.9	254
175	B15R_050_037da	0.25 0.125 0.5	0.5 0.375 0.312	289	0.124 0.29 0.5	29.9 10.1 -28.1	29.9 289.7	0.235 0.281 0.475	29.8 9.7 -28.5	30.1 288.7 0.5	243
176	B11R_062_050da	0.25 0.125 0.625	0.625 0.5 0.375	284	0.125 0.375 0.625	37.8 9.1 -34.1	35.3 285.0	0.266 0.363 0.597	37.8 8.7 -34.1	35.2 284.3 0.4	239
177	B09R_075_062da	0.25 0.125 0.75	0.75 0.625 0.437	281	0.125 0.452 0.75	45.3 8.9 -41.3	42.3 282.1	0.278 0.441 0.729	45.2 8.2 -41.2	42.0 281.2 0.6	238
178	B07R_087_075da	0.25 0.125 0.875	0.875 0.75 0.5	279	0.125 0.529 0.875	52.7 8.7 -48.4	49.2 280.2	0.29 0.522 0.865	52.7 8.2 -48.4	49.1 279.6 0.5	237
179	B06R_100_087da	0.25 0.125 1.0	1.0 0.875 0.562	278	0.125 0.603 1.0	60.0 9.1 -55.8	56.5 279.3	0.295 0.6 1.0	59.8 8.5 -55.3	55.9 278.7 0.8	236
180	Y00G_025_025da	0.25 0.25 0.0	0.25 0.25 0.125	90	0.25 0.214 0.0	20.9 -0.8 21.1	21.1 92.3	0.24 0.207 0.065	20.7 -1.5 22.6	22.6 93.8 1.6	82
181	Y00G_025_012da	0.25 0.25 0.125	0.25 0.125 0.187	90	0.25 0.232 0.124	22.3 -0.4 10.5	10.5 92.3	0.24 0.221 0.158	22.2 -1.0 10.4	10.5 95.4 0.6	82
182	NW_025da	0.25 0.25 0.25	0.25 0.0 0.25	360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0	0.232 0.236 0.237	23.7 -0.4 -0.2	0.4 207.2 0.4	360
183	B00R_037_012da	0.25 0.25 0.375	0.375 0.125 0.312	270	0.249 0.326 0.375	31.2 0.2 -7.0	7.0 271.7	0.276 0.308 0.352	31.1 -0.4 -7.3	7.3 266.8 0.6	232
184	B00R_050_025da	0.25 0.25 0.5	0.5 0.25 0.375	270	0.249 0.402 0.5	38.6 0.4 -14.1	14.1 271.7	0.32 0.382 0.473	38.6 0.0 -14.4	14.4 269.8 0.5	232
185	B00R_062_037da	0.25 0.25 0.625	0.625 0.375 0.437	270	0.25 0.478 0.625	46.0 0.6 -21.2	21.2 271.7	0.359 0.459 0.597	46.0 0.0 -21.0	21.0 270.0 0.6	232
186	B00R_075_050da	0.25 0.25 0.75	0.75 0.5 0.5	270	0.25 0.554 0.75	53.4 0.8 -28.3	28.3 271.7	0.394 0.538 0.728	53.4 0.4 -28.1	28.1 270.0 0.4	232
187	B00R_087_062da	0.25 0.25 0.875	0.875 0.625 0.562	270	0.25 0.63 0.875	60.8 1.0 -35.3	35.3 271.7	0.424 0.617 0.864	60.8 0.9 -35.5	35.5 271.6 0.2	232
188	B00R_100_075da	0.25 0.25 1.0	1.0 0.75 0.625	270	0.25 0.707 1.0	68.2 1.2 -42.4	42.4 271.7	0.45 0.701 1.0	68.1 0.9 -42.1	42.1 271.2 0.5	232
189	Y31G_037_037da	0.25 0.375 0.0	0.375 0.375 0.187	109	0.302 0.375 0.0	33.5 -14.8 32.6	35.8 114.4	0.292 0.35 0.089	33.4 -15.5 33.4	36.9 114.9 1.0	100
190	Y50G_037_025da	0.25 0.375 0.125	0.375 0.25 0.25	120	0.357 0.375 0.124	33.4 -15.7 20.7	26.0 127.2	0.364 0.353 0.185	33.4 -16.5 21.0	26.7 128.0 0.8	118
191	G00B_037_012da	0.25 0.375 0.25	0.375 0.125 0.312	150	0.249 0.375 0.338	34.4 -8.0 2.5	8.4 162.2	0.279 0.353 0.32	34.4 -8.7 2.4	9.1 164.6 0.7	193
192	G50B_037_012da	0.25 0.375 0.375	0.375 0.125 0.312	210	0.249 0.361 0.375	33.7 -4.2 -3.2	5.3 216.9	0.281 0.34 0.351	33.6 -4.9 -3.4	6.0 215.0 0.6	215
193	G75B_050_025da	0.25 0.375 0.5	0.5 0.25 0.375	240	0.249 0.44 0.5	41.3 -4.7 -9.9	10.9 244.3	0.321 0.419 0.472	41.3 -5.4 -10.1	11.5 241.8 0.7	223
194	G84B_062_037da	0.25 0.375 0.625	0.625 0.375 0.437	251	0.25 0.516 0.625	48.7 -4.7 -19.1	17.8 254.3	0.36 0.497 0.597	48.8 -5.2 -16.9	17.7 252.7 0.5	226
195	G88B_075_050da	0.25 0.375 0.75	0.75 0.5 0.5	256	0.25 0.592 0.75	56.1 -4.7 -24.3	24.7 258.9	0.39 0.575 0.729	56.0 -5.0 -24.2	24.8 258.2 0.3	227
196	G90B_087_062da	0.25 0.375 0.875	0.875 0.625 0.562	259	0.25 0.668 0.875	63.5 -4.5 -31.4	31.7 261.6	0.418 0.657 0.865	63.3 -4.7 -31.6	31.9 261.5 0.2	228
197	G92B_100_075da	0.25 0.375 1.0	1.0 0.75 0.625	261	0.25 0.744 1.0	70.9 -4.3 -38.5	38.7 263.5	0.446 0.741 1.0	70.7 -4.7 -38.0	38.3 262.8 0.6	229
198	Y50G_050_050da	0.25 0.5 0.0	0.5 0.5 0.25	120	0.264 0.5 0.0	42.9 -31.5 41.4	52.0 127.2	0.273 0.472 0.095	43.0 -32.2 42.2	53.1 127.3 1.0	118
199	Y68G_050_037da	0.25 0.5 0.125	0.5 0.375 0.312	131	0.124 0.5 0.227	43.3 -30.0 25.1	39.1 140.0	0.252 0.476 0.246	43.5 -30.0 25.3	39.6 140.1 0.4	165
200	G00B_050_025da	0.25 0.5 0.25	0.5 0.25 0.375	150	0.249 0.5 0.426	45.1 -16.1 5.1	16.9 162.2	0.325 0.475 0.407	45.1 -16.8 5.0	17.5 163.4 0.6	193
201	G25B_050_025da	0.25 0.5 0.375	0.5 0.25 0.375	180	0.249 0.5 0.487	45.4 -12.4 -2.1	12.6 189.6	0.329 0.474 0.461	45.5 -13.1 -2.2	13.3 189.8 0.7	207
202	G50B_050_025da	0.25 0.5 0.5	0.5 0.25 0.375	210	0.249 0.472 0.5	43.6 -8.5 -6.4	10.7 216.9	0.324 0.448 0.471	43.6 -9.3 -6.6	11.5 215.3 0.8	215
203	G65B_062_037da	0.25 0.5 0.625	0.625 0.375 0.437	229	0.25 0.553 0.625	51.3 -9.4 -13.1	16.2 234.3	0.364 0.532 0.597	51.4 -9.9 -12.9	16.3 232.5 0.5	220
204	G75B_075_050da	0.25 0.5 0.75	0.75 0.5 0.5	240	0.25 0.631 0.75	58.8 -9.5 -19.8	21.9 244.3	0.4 0.612 0.727	58.7 -9.5 -19.8	22.0 244.2 0.1	223
205	G80B_087_062da	0.25 0.5 0.875	0.875 0.625 0.562	247	0.25 0.706 0.875	66.1 -9.4 -27.0	28.6 250.7	0.425 0.695 0.863	66.0 -9.6 -27.1	28.8 250.5 0.2	225
206	G84B_100_075da	0.25 0.5 1.0	1.0 0.75 0.625	251	0.25 0.782 1.0	73.6 -9.5 -34.3	35.6 254.3	0.446 0.781 1.0	73.4 -10.0 -33.8	35.3 254.3 0.6	226
207	Y61G_062_062da	0.25 0.625 0.0	0.625 0.625 0.312	127	0.082 0.625 0.0	52.3 -50.8 50.0	71.3 135.4	0.159 0.596 0.093	52.2 -51.3 50.6	72.0 135.3 0.7	142
208	Y76G_062_050da	0.25 0.625 0.125	0.625 0.5 0.375	136	0.125 0.625 0.343	54.0 -38.0 25.7	45.9 145.9	0.272 0.599 0.344	53.9 -38.3 25.6	46.1 146.2 0.3	175
209	G00B_062_037da	0.25 0.625 0.25	0.625 0.375 0.437	150	0.25 0.625 0.514	55.7 -24.2 7.7	25.4 162.2	0.37 0.599 0.497	55.7 -24.1 7.4	25.3 162.8 0.3	193
210	G15B_062_037da	0.25 0.625 0.375	0.625 0.375 0.437	169	0.25 0.625 0.58	56.1 -20.3 0.1	20.3 179.5	0.375 0.598 0.554	56.0 -20.4 0.0	20.4 179.9 0.1	203
211	G34B_062_037da	0.25 0.625 0.5	0.625 0.375 0.437	191	0.25 0.618 0.625	55.9 -16.7 -5.9	17.7 199.6	0.379 0.591 0.595	55.8 -16.8 -5.9	17.9 199.3 0.1	210
212	G50B_062_037da	0.25 0.625 0.625	0.625 0.375 0.437	210	0.25 0.583 0.625	53.5 -12.8 -9.6	16.0 216.9	0.371 0.559 0.595	53.4 -13.2 -9.5	16.3 215.8 0.3	215
213	G61B_075_050da	0.25 0.625 0.75	0.75 0.5 0.5	224	0.25 0.664 0.75	61.2 -13.8 -16.3	21.4 229.7	0.399 0.645 0.728	61.0 -13.9 -16.4	21.5 229.6 0.2	219
214	G69B_087_062da	0.25 0.625 0.875	0.875 0.625 0.562	233	0.25 0.745 0.875	68.9 -14.4 -23.0	27.1 237.9	0.425 0.734 0.864	68.7 -14.5 -23.1	27.3 237.7 0.2	221
215	G75B_100_075da	0.25 0.625 1.0	1.0 0.75 0.625	240	0.25 0.822 1.0	76.3 -14.2 -29.7	32.9 244.3	0.457 0.821 1.0	76.2 -14.6 -29.4	32.9 243.6 0.4	223
216	Y68G_075_075da	0.25 0.75 0.0	0.75 0.75 0.375	131	0.0 0.75 0.204	62.8 -60.1 50.2	78.3 140.0	0.129 0.726 0.217	62.8 -60.2 50.6	78.6 139.9 0.3	165
217	Y81G_075_062da	0.25 0.75 0.125	0.75 0.625 0.437	139	0.125 0.75 0.445	64.6 -45.8 27.1	53.2 149.4	0.294 0.729 0.441	64.5 -46.1 26.8	53.4 149.7 0.3	180
218	G00B_075_050da	0.25 0.75 0.25	0.75 0.5 0.5	150	0.125 0.75 0.603	66.4 -32.3 10.3	33.9 162.2	0.404 0.73 0.587	66.3 -32.5 10.3	34.1 162.4 0.2	193
219	G11B_075_050da	0.25 0.75 0.375	0.75 0.5 0.5	164	0.125 0.75 0.669	66.7 -28.5 2.4	28.6 175.0	0.409 0.729 0.649	66.6 -28.7 2.5	28.8 174.9 0.1	201
220	G25B_075_050da	0.25 0.75 0.5	0.75 0.5 0.5	180	0.125 0.75 0.725	67.1 -24.9 -4.2	25.3 189.6	0.413 0.728 0.703	67.0 -25.1 -4.2	25.5 189.4 0.2	207
221	G38B_075_050da	0.25 0.75 0.625	0.75 0.5 0.5	196	0.125 0.729 0.75	65.8 -21.0 -9.4	23.0 204.2	0.411 0.708 0.727	65.6 -21.2 -9.4	23.2 204.0 0.2	212
222	G50B_075_050da	0.25 0.75 0.75	0.75 0.5 0.5	210	0.125 0.695 0.75	63.3 -17.1 -12.8	21.4 216.9	0.408 0.674 0.726	63.2 -17.3 -12.9	21.6 216.8 0.2	215
223	G59B_087_062da	0.25 0.75 0.875	0.875 0.625 0.562	221	0.125 0.776 0.875	71.1 -18.1 -19.5	26.6 227.0	0.431 0.765 0.863	71.0 -18.3 -19.6	26.8 22	

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n	HIC*F _{de}	rgb_F _{de}	ict_F _{de}	hsi_F _{de}	rgb*F _{de}	LabCh*F _{de}	rgb*F _{de}	LabCh*F _{de}	DE*F _{de} hsi _m		
243	R00Y_037_037 _{de}	0.375 0.0 0.0	0.375 0.375 0.187	390	0.375 0.0 0.098	19.0 29.3 13.9	32.5 25.4	0.363 0.092 0.113	18.7 30.3 14.0	33.4 24.7 1.0	375
244	R18Y_037_037 _{de}	0.375 0.0 0.125	0.375 0.375 0.187	371	0.375 0.0 0.182	19.4 30.4 2.2	30.5 4.3	0.358 0.096 0.188	19.1 31.2 1.6	31.2 2.9 1.0	360
245	B65R_037_037 _{de}	0.375 0.0 0.25	0.375 0.375 0.187	349	0.375 0.0 0.257	20.1 32.0 -7.6	32.9 346.6	0.358 0.098 0.252	19.8 33.0 -8.2	34.0 346.0 1.1	347
246	B50R_037_037 _{de}	0.375 0.0 0.375	0.375 0.375 0.187	330	0.375 0.0 0.371	21.4 35.3 -21.5	41.3 328.6	0.355 0.106 0.351	21.1 35.8 -22.2	42.2 328.2 0.9	330
247	B38R_050_050 _{de}	0.375 0.0 0.5	0.5 0.5 0.25	316	0.319 0.0 0.5	21.6 41.4 -40.9	58.2 315.3	0.317 0.085 0.473	21.1 42.4 -42.1	59.8 315.2 1.6	309
248	B30R_062_062 _{de}	0.375 0.0 0.625	0.625 0.625 0.312	307	0.091 0.0 0.625	19.5 47.7 -63.7	79.6 306.8	0.166 0.055 0.596	18.9 48.7 -64.6	80.9 306.9 1.4	277
249	B25R_075_075 _{de}	0.375 0.0 0.75	0.75 0.75 0.375	300	0.0 0.202 0.75	28.6 39.5 -68.0	78.7 300.1	0.12 0.206 0.727	28.3 39.9 -68.4	79.2 300.2 0.6	254
250	B20R_087_087 _{de}	0.375 0.0 0.875	0.875 0.875 0.437	295	0.0 0.318 0.875	37.8 34.2 -72.0	79.7 295.4	0.061 0.318 0.861	37.6 34.0 -72.3	79.9 295.2 0.3	248
251	B18R_100_100 _{de}	0.375 0.0 1.0	1.0 1.0 0.5	292	0.0 0.404 1.0	45.7 32.7 -78.6	85.1 292.5	0.0 0.407 1.0	45.8 32.6 -78.0	84.5 292.7 0.6	246
252	R31Y_037_037 _{de}	0.375 0.125 0.0	0.375 0.375 0.187	49	0.375 0.108 0.0	20.7 23.6 25.0	34.4 46.6	0.364 0.138 0.042	20.6 23.8 26.4	35.6 47.8 1.3	46
253	R00Y_037_025 _{de}	0.375 0.125 0.125	0.375 0.25 0.25	390	0.375 0.124 0.19	24.6 19.5 9.3	21.6 25.4	0.368 0.189 0.189	24.3 19.8 8.9	21.7 24.2 0.5	375
254	R00Y_037_025 _{de}	0.375 0.125 0.25	0.375 0.25 0.25	360	0.375 0.124 0.279	25.1 20.9 -2.9	21.1 352.0	0.361 0.193 0.27	24.8 21.3 -3.5	21.6 350.6 0.7	352
255	B50R_037_025 _{de}	0.375 0.125 0.375	0.375 0.25 0.25	330	0.375 0.124 0.372	26.2 23.5 -14.3	27.5 328.6	0.357 0.199 0.351	25.9 23.9 -15.0	28.2 327.7 0.8	330
256	B34R_050_037 _{de}	0.375 0.125 0.5	0.5 0.375 0.312	311	0.291 0.124 0.5	25.8 29.6 -34.5	45.5 310.5	0.313 0.185 0.476	25.4 30.0 -35.5	46.5 310.2 1.1	296
257	B25R_062_050 _{de}	0.375 0.125 0.625	0.625 0.5 0.375	300	0.125 0.26 0.625	31.0 26.3 -45.3	52.4 300.1	0.276 0.258 0.599	30.9 26.0 -45.4	52.3 299.8 0.3	254
258	B19R_075_062 _{de}	0.375 0.125 0.75	0.75 0.625 0.437	293	0.125 0.37 0.75	40.0 21.7 -49.8	54.3 293.5	0.289 0.36 0.729	39.9 21.3 -49.8	54.2 293.1 0.3	247
259	B15R_087_075 _{de}	0.375 0.125 0.875	0.875 0.75 0.5	289	0.125 0.455 0.875	47.9 20.2 -56.2	59.8 289.7	0.296 0.448 0.866	47.8 19.7 -56.3	59.6 289.3 0.4	243
260	B13R_100_087 _{de}	0.375 0.125 1.0	1.0 0.875 0.562	286	0.125 0.541 1.0	55.9 18.9 -62.2	65.0 286.9	0.307 0.537 1.0	55.8 18.1 -61.7	64.3 286.3 0.9	241
261	R68Y_037_037 _{de}	0.375 0.25 0.0	0.375 0.375 0.187	71	0.375 0.234 0.0	26.3 9.6 28.1	29.7 71.1	0.358 0.232 0.067	26.1 9.6 29.2	30.7 71.7 1.0	68
262	R50Y_037_025 _{de}	0.375 0.25 0.125	0.375 0.25 0.25	60	0.375 0.246 0.124	27.7 10.6 17.7	20.6 58.8	0.367 0.245 0.161	27.6 10.5 17.8	20.7 59.3 0.1	59
263	R00Y_037_012 _{de}	0.375 0.25 0.25	0.375 0.125 0.312	390	0.375 0.249 0.282	30.2 9.7 4.6	10.8 25.6	0.366 0.273 0.268	30.1 9.6 4.5	10.6 25.2 0.2	375
264	B50R_037_012 _{de}	0.375 0.25 0.375	0.375 0.125 0.312	330	0.375 0.249 0.373	31.0 11.7 -7.1	13.7 328.6	0.355 0.279 0.351	30.9 11.5 -7.4	13.7 326.9 0.4	330
265	B25R_050_025 _{de}	0.375 0.25 0.5	0.5 0.25 0.375	300	0.249 0.317 0.5	33.4 13.1 -22.6	26.2 300.7	0.327 0.304 0.476	33.2 12.7 -23.1	26.4 298.8 0.6	254
266	B15R_062_037 _{de}	0.375 0.25 0.625	0.625 0.375 0.437	289	0.25 0.415 0.625	41.8 10.1 -28.1	29.9 289.7	0.362 0.398 0.6	41.8 9.6 -28.0	29.6 288.9 0.4	243
267	B11R_075_050 _{de}	0.375 0.25 0.75	0.75 0.5 0.5	284	0.25 0.5 0.75	49.7 9.1 -34.1	35.3 285.0	0.399 0.483 0.728	49.7 8.6 -33.9	35.0 284.3 0.5	239
268	B09R_087_062 _{de}	0.375 0.25 0.875	0.875 0.625 0.562	281	0.25 0.577 0.875	57.2 8.9 -41.3	42.3 282.1	0.423 0.563 0.866	57.1 8.6 -41.4	42.3 281.8 0.2	238
269	B07R_100_075 _{de}	0.375 0.25 1.0	1.0 0.75 0.625	279	0.25 0.654 1.0	64.6 8.7 -48.4	49.2 280.2	0.447 0.646 1.0	64.4 8.2 -47.8	48.5 279.8 0.8	237
270	Y00G_037_037 _{de}	0.375 0.375 0.0	0.375 0.375 0.187	90	0.375 0.321 0.0	31.3 -1.2 31.6	31.7 92.3	0.354 0.305 0.081	31.3 -1.7 32.6	32.6 93.0 1.0	82
271	Y00G_037_025 _{de}	0.375 0.375 0.125	0.375 0.25 0.25	90	0.375 0.339 0.124	32.8 -0.8 21.1	21.1 92.3	0.357 0.319 0.18	32.7 -1.4 21.3	21.3 93.7 0.6	82
272	Y00G_037_012 _{de}	0.375 0.375 0.25	0.375 0.125 0.312	90	0.375 0.357 0.249	34.3 -0.4 10.5	10.5 92.3	0.356 0.334 0.267	34.2 -0.8 10.4	10.4 94.5 0.4	82
273	NW_037 _{de}	0.375 0.375 0.375	0.375 0.0 0.375	360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0	0.345 0.35 0.35	35.7 -0.4 -0.2	0.5 205.6 0.5	360
274	B00R_050_012 _{de}	0.375 0.375 0.5	0.5 0.125 0.437	270	0.375 0.451 0.5	43.1 0.2 -7.0	7.0 271.7	0.396 0.426 0.472	43.2 -0.2 -7.2	7.2 268.3 0.4	232
275	B00R_062_025 _{de}	0.375 0.375 0.625	0.625 0.25 0.5	270	0.375 0.527 0.625	50.5 0.4 -14.1	14.1 271.7	0.445 0.504 0.597	50.6 0.0 -14.0	14.0 270.1 0.4	232
276	B00R_075_037 _{de}	0.375 0.375 0.75	0.75 0.375 0.562	270	0.375 0.603 0.75	57.9 0.6 -21.2	21.2 271.7	0.487 0.582 0.728	57.9 0.4 -21.2	21.2 271.3 0.1	232
277	B00R_087_050 _{de}	0.375 0.375 0.875	0.875 0.5 0.625	270	0.375 0.679 0.875	65.4 0.8 -28.3	28.3 271.7	0.527 0.664 0.864	65.2 0.8 -28.4	28.4 271.6 0.2	232
278	B00R_100_062 _{de}	0.375 0.375 1.0	1.0 0.625 0.687	270	0.375 0.755 1.0	72.8 1.0 -35.3	35.3 271.7	0.564 0.748 1.0	72.6 0.7 -34.9	34.9 271.5 0.5	232
279	Y23G_050_050 _{de}	0.375 0.5 0.0	0.5 0.5 0.25	104	0.453 0.5 0.0	45.5 -14.9 44.4	46.9 108.6	0.432 0.47 0.099	45.5 -15.4 45.1	47.7 108.8 0.8	94
280	Y31G_050_037 _{de}	0.375 0.5 0.125	0.5 0.375 0.312	109	0.427 0.5 0.124	45.4 -14.8 32.6	35.8 114.4	0.416 0.471 0.209	45.4 -15.4 33.1	36.5 114.9 0.7	100
281	Y50G_050_025 _{de}	0.375 0.5 0.25	0.5 0.25 0.375	120	0.382 0.5 0.249	45.3 -15.7 20.7	20.7 127.2	0.384 0.474 0.299	45.4 -16.2 20.8	20.6 127.9 0.5	118
282	G00B_050_012 _{de}	0.375 0.5 0.375	0.5 0.125 0.437	150	0.375 0.5 0.463	46.4 -8.0 2.5	8.4 162.2	0.399 0.474 0.438	46.4 -8.5 2.4	8.9 163.9 0.5	193
283	G50B_050_012 _{de}	0.375 0.5 0.5	0.5 0.125 0.437	210	0.375 0.486 0.5	45.6 -4.2 -3.2	5.3 216.9	0.4 0.459 0.471	45.7 -4.7 -3.3	5.8 215.5 0.4	215
284	G75B_062_025 _{de}	0.375 0.5 0.625	0.625 0.25 0.5	240	0.375 0.565 0.625	53.2 -4.7 -9.9	10.9 244.3	0.445 0.541 0.595	53.2 -5.2 -9.8	11.1 242.0 0.4	223
285	G84B_075_037 _{de}	0.375 0.5 0.75	0.75 0.375 0.562	251	0.375 0.641 0.75	60.6 -4.7 -17.1	17.8 254.3	0.489 0.62 0.728	60.5 -4.6 -17.2	17.8 254.7 0.1	226
286	G88B_087_050 _{de}	0.375 0.5 0.875	0.875 0.5 0.625	256	0.375 0.717 0.875	68.0 -4.7 -24.3	24.7 258.9	0.524 0.704 0.865	67.9 -4.7 -24.4	24.9 258.9 0.1	227
287	G90B_100_062 _{de}	0.375 0.5 1.0	1.0 0.625 0.687	259	0.375 0.793 1.0	75.4 -4.5 -31.4	31.7 261.6	0.558 0.79 1.0	75.2 -5.1 -30.9	31.3 260.5 0.7	228
288	Y38G_062_062 _{de}	0.375 0.625 0.0	0.625 0.625 0.312	113	0.449 0.625 0.0	55.0 -29.7 53.4	61.1 119.1	0.439 0.594 0.096	54.9 -29.9 53.9	61.6 119.0 0.5	105
289	Y50G_062_050 _{de}	0.375 0.625 0.125	0.625 0.5 0.375	120	0.389 0.625 0.125	54.9 -31.5 41.4	52.0 127.2	0.402 0.597 0.226	54.8 -31.7 41.6	52.3 127.3 0.2	118
290	Y68G_062_037 _{de}	0.375 0.625 0.25	0.625 0.375 0.437	131	0.25 0.625 0.352	55.2 -30.0 25.1	39.1 140.0	0.377 0.6 0.363	55.2 -30.0 25.0	39.0 140.1 0.1	165
291	G00B_062_025 _{de}	0.375 0.625 0.375	0.625 0.25 0.5	150	0.375 0.625 0.551	57.0 -16.1 5.1	16.9 162.2	0.449 0.599 0.529	56.9 -16.2 4.8	16.9 163.4 0.3	193
292	G25B_062_025 _{de}	0.375 0.625 0.5	0.625 0.25 0.5	180	0.375 0.625 0.612	57.4 -12.4 -2.1	12.6 189.6	0.453 0.597 0.584	57.2 -12.8 -2.2	13.0 189.9 0.4	207
293	G50B_062_025 _{de}	0.375 0.625 0.625	0.625 0.25 0.5	210	0.375 0.597 0.625	55.5 -8.5 -6.4	10.7 216.9	0.449 0.571 0.595	55.4 -9.0 -6.4	11.1 215.6 0.4	215
294	G65B_075_037 _{de}	0.375 0.625 0.75	0.75 0.375 0.562	229	0.375 0.678 0.75	63.2 -9.4 -13.1	16.2 234.3	0.492			

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsi_Mde	rgb*Mde	LabCh*Mde
324	R00Y_050_050de	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.263
325	R26Y_050_050de	0.5	0.0	0.125	0.5	0.5	0.25	376	1.0	0.0	0.429
326	R00Y_050_050de	0.5	0.0	0.25	0.5	0.5	0.25	360	1.0	0.0	0.617
327	B61R_050_050de	0.5	0.0	0.375	0.5	0.5	0.25	344	1.0	0.0	0.747
328	B50R_050_050de	0.5	0.0	0.5	0.5	0.5	0.25	330	1.0	0.0	0.991
329	B40R_062_062de	0.5	0.0	0.625	0.625	0.625	0.312	319	0.444	0.0	1.0
330	B34R_075_075de	0.5	0.0	0.75	0.75	0.75	0.375	311	0.0	0.116	1.0
331	B29R_087_087de	0.5	0.0	0.875	0.875	0.875	0.437	305	0.0	0.27	1.0
332	B25R_100_100de	0.5	0.0	1.0	1.0	1.0	0.5	300	0.638	0.0	1.0
333	R23Y_050_050de	0.5	0.125	0.0	0.5	0.5	0.25	44	0.145	0.0	1.0
334	R00Y_050_037de	0.5	0.125	0.125	0.5	0.375	0.312	390	1.0	0.0	0.263
335	R18Y_050_037de	0.5	0.125	0.25	0.5	0.375	0.312	371	1.0	0.0	0.486
336	B65R_050_037de	0.5	0.125	0.375	0.5	0.375	0.312	349	1.0	0.0	0.686
337	B50R_050_037de	0.5	0.125	0.5	0.5	0.375	0.312	330	1.0	0.0	0.991
338	B38R_062_050de	0.5	0.125	0.625	0.625	0.5	0.375	316	0.638	0.0	1.0
339	B30R_075_062de	0.5	0.125	0.75	0.75	0.625	0.437	307	0.145	0.0	1.0
340	B25R_087_075de	0.5	0.125	0.875	0.875	0.75	0.5	300	0.0	0.27	1.0
341	B20R_100_087de	0.5	0.125	1.0	1.0	0.875	0.562	295	0.0	0.364	1.0
342	R50Y_050_050de	0.5	0.25	0.0	0.5	0.5	0.25	60	1.0	0.487	0.0
343	R31Y_050_037de	0.5	0.25	0.125	0.5	0.375	0.312	49	1.0	0.29	0.0
344	R00Y_050_025de	0.5	0.25	0.25	0.5	0.25	0.375	390	1.0	0.0	0.263
345	R00Y_050_025de	0.5	0.25	0.375	0.5	0.25	0.375	360	1.0	0.0	0.617
346	B50R_050_025de	0.5	0.25	0.5	0.5	0.25	0.375	330	1.0	0.0	0.991
347	B34R_062_037de	0.5	0.25	0.625	0.625	0.375	0.437	311	0.444	0.0	1.0
348	B25R_075_050de	0.5	0.25	0.75	0.75	0.5	0.5	300	0.0	0.27	1.0
349	B19R_087_062de	0.5	0.25	0.875	0.875	0.625	0.562	293	0.0	0.392	1.0
350	B15R_100_075de	0.5	0.25	1.0	1.0	0.75	0.625	289	0.0	0.44	1.0
351	R76Y_050_050de	0.5	0.375	0.0	0.5	0.5	0.25	76	1.0	0.684	0.0
352	R68Y_050_037de	0.5	0.375	0.125	0.5	0.375	0.312	71	0.0	0.626	0.0
353	R50Y_050_025de	0.5	0.375	0.25	0.5	0.25	0.375	60	1.0	0.487	0.0
354	R00Y_050_012de	0.5	0.375	0.375	0.5	0.125	0.437	390	1.0	0.0	0.263
355	B50R_050_012de	0.5	0.375	0.5	0.5	0.125	0.437	330	1.0	0.0	0.991
356	B25R_062_025de	0.5	0.375	0.625	0.625	0.25	0.5	300	0.0	0.27	1.0
357	B15R_075_037de	0.5	0.375	0.75	0.75	0.375	0.562	289	0.0	0.44	1.0
358	B11R_087_050de	0.5	0.375	0.875	0.875	0.5	0.625	284	0.0	0.5	1.0
359	B09R_100_062de	0.5	0.375	1.0	1.0	0.625	0.687	281	0.0	0.523	1.0
360	Y00G_050_050de	0.5	0.5	0.0	0.5	0.5	0.25	90	1.0	0.856	0.0
361	Y00G_050_037de	0.5	0.5	0.125	0.5	0.375	0.312	90	1.0	0.856	0.0
362	Y00G_050_025de	0.5	0.5	0.25	0.5	0.25	0.375	90	1.0	0.856	0.0
363	Y00G_050_012de	0.5	0.5	0.375	0.5	0.125	0.437	90	1.0	0.856	0.0
364	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	1.0	1.0	1.0
365	B00R_062_012de	0.5	0.5	0.625	0.625	0.125	0.562	270	0.0	0.609	1.0
366	B00R_075_025de	0.5	0.5	0.75	0.75	0.25	0.625	270	0.0	0.609	1.0
367	B00R_087_037de	0.5	0.5	0.875	0.875	0.375	0.687	270	0.0	0.609	1.0
368	B00R_100_050de	0.5	0.5	1.0	1.0	0.5	0.75	270	0.0	0.609	1.0
369	Y18G_062_062de	0.5	0.625	0.0	0.625	0.625	0.312	101	0.963	1.0	0.0
370	Y23G_062_050de	0.5	0.625	0.125	0.625	0.5	0.375	104	0.906	1.0	0.0
371	Y31G_062_037de	0.5	0.625	0.25	0.625	0.375	0.437	109	0.806	1.0	0.0
372	Y50G_062_025de	0.5	0.625	0.375	0.625	0.25	0.5	120	0.528	1.0	0.0
373	G00B_062_012de	0.5	0.625	0.5	0.625	0.125	0.562	150	0.0	1.0	0.706
374	G50B_062_012de	0.5	0.625	0.625	0.625	0.125	0.562	210	0.0	0.89	1.0
375	G75B_075_025de	0.5	0.625	0.75	0.75	0.25	0.625	240	0.0	0.763	1.0
376	G84B_087_037de	0.5	0.625	0.875	0.875	0.375	0.687	251	0.0	0.71	1.0
377	G88B_100_050de	0.5	0.625	1.0	1.0	0.5	0.75	256	0.0	0.685	1.0
378	Y31G_075_075de	0.5	0.75	0.0	0.75	0.75	0.375	109	0.806	1.0	0.0
379	Y38G_075_062de	0.5	0.75	0.125	0.75	0.625	0.437	113	0.719	1.0	0.0
380	Y50G_075_050de	0.5	0.75	0.25	0.75	0.5	0.5	120	0.528	1.0	0.0
381	Y68G_075_037de	0.5	0.75	0.375	0.75	0.375	0.562	131	0.0	1.0	0.273
382	G00B_075_025de	0.5	0.75	0.5	0.75	0.25	0.625	150	0.0	1.0	0.706
383	G25B_075_025de	0.5	0.75	0.625	0.75	0.25	0.625	180	0.0	1.0	0.951
384	G50B_075_025de	0.5	0.75	0.75	0.75	0.25	0.625	210	0.0	0.89	1.0
385	G65B_087_037de	0.5	0.75	0.875	0.875	0.375	0.687	229	0.0	0.808	1.0
386	G75B_100_050de	0.5	0.75	1.0	1.0	0.5	0.75	240	0.0	0.763	1.0
387	Y41G_087_087de	0.5	0.875	0.0	0.875	0.875	0.437	115	0.0	0.67	1.0
388	Y50G_087_075de	0.5	0.875	0.125	0.875	0.75	0.5	120	0.528	1.0	0.0
389	Y61G_087_062de	0.5	0.875	0.25	0.875	0.625	0.562	127	0.132	1.0	0.0
390	Y76G_087_050de	0.5	0.875	0.375	0.875	0.5	0.625	136	0.0	1.0	0.436
391	G00B_087_037de	0.5	0.875	0.5	0.875	0.375	0.687	150	0.0	1.0	0.706
392	G15B_087_037de	0.5	0.875	0.625	0.875	0.375	0.687	169	0.0	1.0	0.88
393	G34B_087_037de	0.5	0.875	0.75	0.875	0.375	0.687	191	0.0	0.982	1.0
394	G50B_087_037de	0.5	0.875	0.875	0.875	0.375	0.687	210	0.0	0.89	1.0
395	G61B_100_050de	0.5	0.875	1.0	1.0	0.5	0.75	224	0.19	0.829	1.0
396	Y50G_100_100de	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0
397	Y58G_100_087de	0.5	1.0	0.125	1.0	0.875	0.562	125	0.395	1.0	0.0
398	Y68G_100_075de	0.5	1.0	0.25	1.0	0.75	0.625	131	0.25	1.0	0.454
399	Y81G_100_062de	0.5	1.0	0.375	1.0	0.625	0.687	139	0.375	1.0	0.695
400	G00B_100_050de	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853
401	G11B_100_050de	0.5	1.0	0.625	1.0	0.5	0.75	164	0.677	1.0	0.919
402	G25B_100_050de	0.5	1.0	0.75	1.0	0.5	0.75	180	0.684	1.0	0.977
403	G38B_100_050de	0.5	1.0	0.875	1.0	0.5	0.75	196	0.682	0.983	1.0
404	G50B_100_050de	0.5	1.0	1.0	1.0	0.5	0.75	210	0.676	0.947	1.0

Mean color difference of this page: $\Delta E^* = 0.4$

delta E** = 0.4

TUB-test chart PE72; hue circle; 16 and 8 steps
colors and differences, ΔE^* , 3D=1, de=1*

input: $rgb \rightarrow cmyk$ -> rgb_{de}
output: 3D-linearization to rgb^*_{de}

TUB registration: 20150701-PE72/PE72L0FP.PDF / .PS
application for measurement of display output, no separation
TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> /.PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsi_Mde		
405	R00Y_062_062de	0.625 0.0 0.0	0.625 0.625 0.312	390	0.625 0.0 0.164	31.8 48.9 23.3	54.2 25.4	0.603 0.103 0.172	31.5 49.2 23.1	54.4 25.1 0.4	375
406	R30Y_062_062de	0.625 0.0 0.125	0.625 0.625 0.312	379	0.625 0.0 0.247	32.1 49.9 11.7	51.2 13.2	0.603 0.104 0.25	31.9 50.3 11.3	51.6 12.6 0.6	366
407	R11Y_062_062de	0.625 0.0 0.25	0.625 0.625 0.312	367	0.625 0.0 0.333	32.7 51.3 -0.1	51.3 359.8	0.6 0.107 0.329	32.4 51.6 -0.7	51.6 359.2 0.6	357
408	B69R_062_062de	0.625 0.0 0.375	0.625 0.625 0.312	353	0.625 0.0 0.398	33.2 52.5 -8.8	53.3 350.4	0.599 0.111 0.39	33.0 52.8 -9.4	53.6 349.9 0.6	350
409	B59R_062_062de	0.625 0.0 0.5	0.625 0.625 0.312	341	0.625 0.0 0.495	34.1 55.1 -21.1	59.0 339.0	0.599 0.114 0.479	34.0 55.3 -21.6	59.4 338.5 0.6	341
410	B50R_062_062de	0.625 0.0 0.625	0.625 0.625 0.312	330	0.625 0.0 0.619	35.7 58.8 -35.9	68.9 328.6	0.597 0.124 0.591	35.6 58.6 -36.0	68.8 328.4 0.2	330
411	B42R_075_075de	0.625 0.0 0.75	0.75 0.75 0.375	321	0.588 0.0 0.75	36.4 65.2 -54.6	85.1 320.0	0.575 0.084 0.725	36.1 65.7 -55.0	85.7 320.0 0.7	318
412	B36R_087_087de	0.625 0.0 0.875	0.875 0.875 0.437	314	0.497 0.0 0.875	35.7 71.1 -75.1	103.5 313.4	0.501 0.04 0.861	35.6 71.7 -75.3	104.0 313.5 0.5	304
413	B31R_100_100de	0.625 0.0 1.0	1.0 1.0 0.5	308	0.263 0.0 1.0	32.8 76.9 -99.3	125.7 307.7	0.264 0.0 0.999	32.8 76.9 -99.4	125.7 307.7 0.0	284
414	R18Y_062_062de	0.625 0.125 0.0	0.625 0.625 0.312	41	0.625 0.0 0.038	31.5 48.2 37.3	61.0 37.7	0.605 0.101 0.064	31.3 48.6 38.2	61.8 38.1 1.0	386
415	R00Y_062_050de	0.625 0.125 0.125	0.625 0.5 0.375	390	0.625 0.125 0.256	37.3 39.1 18.6	43.3 25.4	0.619 0.237 0.251	37.2 39.2 18.3	43.2 25.0 0.3	375
416	R26Y_062_050de	0.625 0.125 0.25	0.625 0.5 0.375	376	0.625 0.125 0.339	37.7 40.2 7.0	40.8 9.8	0.614 0.24 0.33	37.6 40.2 6.6	40.7 9.3 0.4	364
417	R00Y_062_050de	0.625 0.125 0.375	0.625 0.5 0.375	360	0.625 0.125 0.433	38.4 41.8 -5.8	42.2 352.0	0.608 0.245 0.421	38.3 41.6 -6.2	42.1 351.4 0.4	352
418	B61R_062_050de	0.625 0.125 0.5	0.625 0.5 0.375	344	0.625 0.125 0.498	39.0 43.3 -14.1	45.6 341.8	0.607 0.25 0.482	38.9 43.2 -14.5	45.5 341.3 0.4	344
419	B50R_062_050de	0.625 0.125 0.625	0.625 0.5 0.375	330	0.625 0.125 0.62	40.5 47.0 -28.7	55.1 328.6	0.605 0.256 0.593	40.4 46.8 -28.8	55.0 328.3 0.2	330
420	B40R_075_062de	0.625 0.125 0.75	0.75 0.625 0.437	319	0.58 0.125 0.75	41.0 53.3 -47.7	71.5 318.1	0.58 0.243 0.728	40.8 53.2 -47.8	71.5 318.0 0.1	314
421	B34R_087_075de	0.625 0.125 0.875	0.875 0.75 0.5	311	0.458 0.125 0.875	39.7 59.3 -69.1	91.1 310.5	0.495 0.216 0.865	39.5 59.8 -69.4	91.6 310.7 0.5	296
422	B29R_100_087de	0.625 0.125 1.0	1.0 0.875 0.562	305	0.125 0.227 1.0	40.2 61.2 -87.7	107.0 304.9	0.342 0.243 1.0	40.0 60.9 -87.4	106.5 304.8 0.5	263
423	R38Y_062_062de	0.625 0.25 0.0	0.625 0.625 0.312	53	0.625 0.237 0.0	36.4 34.3 42.5	54.7 51.0	0.602 0.246 0.051	36.4 34.2 43.3	55.2 51.6 0.7	52
424	R23Y_062_050de	0.625 0.25 0.125	0.625 0.5 0.375	44	0.625 0.176 0.125	37.6 37.2 32.4	49.3 41.0	0.623 0.247 0.156	37.5 36.9 32.5	49.2 41.3 0.3	35
425	R00Y_062_037de	0.625 0.25 0.25	0.625 0.375 0.437	390	0.625 0.25 0.348	42.9 29.3 13.9	32.5 25.4	0.626 0.335 0.332	42.7 29.2 13.6	32.2 25.0 0.4	375
426	R18Y_062_037de	0.625 0.25 0.375	0.625 0.375 0.437	371	0.625 0.25 0.432	43.3 30.4 2.2	30.5 4.3	0.617 0.339 0.415	43.1 30.3 1.8	30.3 3.4 0.5	360
427	B65R_062_037de	0.625 0.25 0.5	0.625 0.375 0.437	349	0.625 0.25 0.507	43.9 32.0 -7.6	32.9 346.6	0.613 0.343 0.488	43.8 32.0 -8.1	33.0 345.7 0.5	347
428	B50R_062_037de	0.625 0.25 0.625	0.625 0.375 0.437	330	0.625 0.25 0.621	45.2 35.3 -21.5	41.3 328.6	0.609 0.351 0.595	45.1 35.1 -21.7	41.2 328.2 0.2	330
429	B38R_075_050de	0.625 0.25 0.75	0.75 0.5 0.5	316	0.569 0.25 0.75	45.4 41.4 -40.9	58.2 315.3	0.578 0.339 0.73	45.2 41.4 -41.2	58.4 315.1 0.3	309
430	B30R_087_050de	0.625 0.25 0.875	0.875 0.625 0.562	307	0.341 0.25 0.875	43.4 47.7 -63.7	79.6 306.8	0.477 0.311 0.868	43.2 47.9 -63.9	79.9 306.8 0.3	277
431	B25R_100_075de	0.625 0.25 1.0	1.0 0.75 0.625	300	0.25 0.452 1.0	52.5 39.5 -68.0	78.7 300.1	0.474 0.443 1.0	52.3 38.8 -67.2	77.6 300.0 1.1	254
432	R61Y_062_062de	0.625 0.375 0.0	0.625 0.625 0.312	67	0.625 0.36 0.0	42.2 19.8 46.1	50.2 66.6	0.6 0.354 0.06	42.1 19.7 46.9	50.9 67.2 0.8	65
433	R50Y_062_050de	0.625 0.375 0.125	0.625 0.5 0.375	60	0.625 0.368 0.125	43.4 21.3 35.4	41.3 58.8	0.614 0.364 0.18	43.4 21.0 35.7	41.4 59.5 0.4	59
434	R31Y_062_037de	0.625 0.375 0.25	0.625 0.375 0.437	49	0.625 0.358 0.25	44.6 23.6 25.0	34.4 46.6	0.63 0.371 0.271	44.6 23.3 24.9	34.1 46.9 0.3	46
435	R00Y_062_025de	0.625 0.375 0.375	0.625 0.25 0.5	390	0.625 0.375 0.44	48.5 19.5 9.3	21.6 25.4	0.624 0.425 0.471	48.3 19.1 8.9	21.1 25.1 0.5	375
436	R00Y_062_025de	0.625 0.375 0.5	0.625 0.25 0.5	360	0.625 0.375 0.529	49.0 20.9 -2.9	21.1 352.0	0.612 0.43 0.507	48.9 20.6 -3.2	20.9 351.0 0.4	352
437	B50R_062_025de	0.625 0.375 0.625	0.625 0.25 0.5	330	0.625 0.375 0.622	50.0 23.5 -14.3	27.5 328.6	0.608 0.438 0.595	49.9 23.1 -14.4	27.2 328.0 0.4	330
438	B34R_075_037de	0.625 0.375 0.75	0.75 0.375 0.562	311	0.541 0.375 0.75	49.6 29.6 -34.5	45.5 310.5	0.569 0.424 0.732	49.5 29.2 -34.6	45.3 310.2 0.3	296
439	B25R_087_050de	0.625 0.375 0.875	0.875 0.5 0.625	300	0.375 0.51 0.875	54.8 26.3 -45.3	52.4 300.1	0.545 0.495 0.869	54.9 26.0 -45.2	52.2 299.9 0.3	254
440	B19R_100_062de	0.625 0.375 1.0	1.0 0.625 0.687	293	0.375 0.62 1.0	63.8 21.7 -49.8	54.3 293.5	0.573 0.604 1.0	63.6 21.1 -49.1	53.4 293.3 0.9	247
441	R81Y_062_062de	0.625 0.5 0.0	0.625 0.625 0.312	79	0.625 0.449 0.0	47.1 8.6 49.3	50.0 80.0	0.598 0.435 0.072	47.1 8.2 50.1	50.8 80.7 0.9	74
442	R76Y_062_050de	0.625 0.5 0.125	0.625 0.5 0.375	76	0.625 0.467 0.125	48.6 9.1 38.8	39.9 76.7	0.609 0.45 0.197	48.5 8.6 39.2	40.1 77.5 0.6	72
443	R68Y_062_037de	0.625 0.5 0.25	0.625 0.375 0.437	71	0.625 0.484 0.25	50.1 9.6 28.1	29.7 71.1	0.616 0.466 0.298	50.1 9.0 28.1	29.5 72.1 0.5	68
444	R50Y_062_025de	0.625 0.5 0.375	0.625 0.25 0.5	60	0.625 0.496 0.375	51.5 10.6 17.7	20.6 58.8	0.622 0.48 0.388	51.5 10.2 17.5	20.3 59.6 0.4	59
445	R00Y_062_012de	0.625 0.5 0.5	0.625 0.125 0.562	390	0.625 0.5 0.532	54.0 9.7 4.6	10.8 25.4	0.616 0.512 0.506	54.1 9.4 4.4	10.4 25.3 0.3	375
446	B50R_062_012de	0.625 0.5 0.625	0.625 0.125 0.562	330	0.625 0.5 0.623	54.8 11.7 -7.1	13.7 328.6	0.602 0.518 0.595	54.8 11.2 -7.1	13.3 327.7 0.5	330
447	B25R_075_025de	0.625 0.5 0.75	0.75 0.25 0.625	300	0.5 0.567 0.75	57.2 13.1 -22.6	26.2 300.1	0.578 0.545 0.731	57.1 12.7 -22.6	26.0 299.3 0.4	254
448	B15R_087_037de	0.625 0.5 0.875	0.875 0.375 0.687	289	0.5 0.665 0.875	65.7 10.1 -28.1	29.9 289.7	0.62 0.644 0.867	65.5 10.0 -28.3	30.0 289.6 0.2	243
449	B11R_100_050de	0.625 0.5 1.0	1.0 0.5 0.75	284	0.5 0.75 1.0	73.6 9.1 -34.1	35.3 285.0	0.665 0.737 1.0	73.4 8.7 -33.6	34.8 284.5 0.6	239
450	Y00G_062_062de	0.625 0.625 0.0	0.625 0.625 0.312	90	0.625 0.535 0.0	52.3 -2.1 52.8	52.8 92.3	0.598 0.514 0.085	52.3 -2.5 53.5	53.5 92.7 0.8	82
451	Y00G_062_050de	0.625 0.625 0.125	0.625 0.5 0.375	90	0.625 0.553 0.125	53.7 -1.7 42.2	42.2 92.3	0.607 0.53 0.218	53.8 -2.1 42.5	42.6 92.8 0.5	82
452	Y00G_062_037de	0.625 0.625 0.25	0.625 0.375 0.437	90	0.625 0.571 0.25	55.2 -1.2 31.6	31.7 92.3	0.61 0.545 0.318	55.2 -1.7 31.7	31.8 93.1 0.4	82
453	Y00G_062_025de	0.625 0.625 0.375	0.625 0.25 0.5	90	0.625 0.589 0.375	56.7 -0.8 21.1	21.1 92.3	0.61 0.56 0.413	56.6 -1.1 20.8	20.9 93.1 0.4	82
454	Y00G_062_012de	0.625 0.625 0.5	0.625 0.125 0.562	90	0.625 0.607 0.5	58.1 -0.4 10.5	10.5 92.3	0.604 0.577 0.505	58.0 -0.5 10.1	10.2 93.3 0.4	82
455	NW_062de	0.625 0.625 0.625	0.625 0.0 0.625	360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0	0.59 0.593 0.594	59.4 -0.2 -0.1	0.3 206.3 0.3	360
456	B00R_075_012de	0.625 0.625 0.75	0.75 0.125 0.687	270	0.625 0.701 0.75	67.0 0.2 -7.0	7.0 271.7	0.646 0.675 0.726	66.8 0.0 -7.2	7.2 270.5 0.2	232
457	B00R_087_025de	0.625 0.625 0.875	0.875 0.25 0.75	270	0.625 0.777 0.875	74.4 0.4 -14.1	14.1 271.7	0.701 0.76 0.864	74.3 0.3 -14.3	14.3 271.2 0.2	232
458											

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE*Fde hsi_Mde	rgb*Mde	LabCh*Mde
486	R00Y_075_075de	0.75 0.0 0.0	0.75 0.75 0.375	390	0.75 0.0 0.197	38.1 58.7 27.9	65.0 25.4	0.731 0.086 0.201	37.8 59.2 27.8	65.4 25.1 0.6	375
487	R35Y_075_075de	0.75 0.0 0.125	0.75 0.75 0.375	381	0.75 0.0 0.279	38.5 59.4 16.4	61.6 15.4	0.729 0.092 0.281	38.2 59.8 15.9	61.9 14.9 0.6	368
488	R18Y_075_075de	0.75 0.0 0.25	0.75 0.75 0.375	371	0.75 0.0 0.364	38.9 60.8 4.5	61.0 4.3	0.729 0.09 0.362	38.6 61.3 4.0	61.4 3.7 0.8	360
489	R00Y_075_075de	0.75 0.0 0.375	0.75 0.75 0.375	360	0.75 0.0 0.463	39.7 62.7 -8.7	63.3 352.0	0.728 0.097 0.457	39.4 63.0 -9.4	63.7 351.4 0.7	352
490	B65R_075_075de	0.75 0.0 0.5	0.75 0.75 0.375	349	0.75 0.0 0.514	40.2 64.1 -15.2	65.9 346.6	0.73 0.093 0.504	39.9 64.6 -15.8	66.5 346.1 0.7	347
491	B57R_075_075de	0.75 0.0 0.625	0.75 0.75 0.375	339	0.75 0.0 0.618	41.3 66.8 -28.1	72.5 337.1	0.729 0.098 0.6	41.0 67.1 -28.4	72.9 337.0 0.4	339
492	B50R_075_075de	0.75 0.0 0.75	0.75 0.75 0.375	330	0.75 0.0 0.743	42.8 70.6 -43.0	82.7 328.6	0.727 0.108 0.719	42.6 70.7 -43.3	82.9 328.5 0.3	330
493	B43R_087_087de	0.75 0.0 0.875	0.875 0.875 0.375	322	0.709 0.0 0.875	43.4 76.9 -62.2	98.9 321.0	0.7 0.055 0.86	43.1 77.2 -62.6	99.4 320.9 0.5	319
494	B38R_100_100de	0.75 0.0 1.0	1.0 1.0 0.5	316	0.638 0.0 1.0	43.2 82.9 -81.9	116.5 315.3	0.637 0.0 1.0	43.1 82.8 -82.0	116.5 315.2 0.1	309
495	R15Y_075_075de	0.75 0.125 0.0	0.75 0.75 0.375	39	0.75 0.0 0.092	37.9 57.9 41.3	71.1 35.5	0.731 0.088 0.101	37.6 58.3 41.6	71.7 35.5 0.6	383
496	R00Y_075_062de	0.75 0.125 0.125	0.75 0.625 0.437	390	0.75 0.125 0.289	43.7 48.9 23.3	54.2 25.4	0.749 0.256 0.282	43.6 48.7 23.1	53.9 25.3 0.2	375
497	R31Y_075_062de	0.75 0.125 0.25	0.75 0.625 0.437	379	0.75 0.125 0.372	44.0 49.9 11.7	51.2 13.2	0.746 0.257 0.363	44.0 49.8 11.4	51.1 12.9 0.2	366
498	R11Y_075_062de	0.75 0.125 0.375	0.75 0.625 0.437	367	0.75 0.125 0.458	44.6 51.3 -0.1	51.3 359.8	0.742 0.26 0.448	44.5 51.2 -0.5	51.2 359.3 0.4	357
499	B69R_075_062de	0.75 0.125 0.5	0.75 0.625 0.437	353	0.75 0.125 0.523	45.1 52.5 -8.8	53.3 350.4	0.74 0.263 0.512	45.0 52.5 -9.2	53.4 349.9 0.4	350
500	B59R_075_062de	0.75 0.125 0.625	0.75 0.625 0.437	341	0.75 0.125 0.62	46.1 55.1 -21.1	59.0 339.0	0.738 0.267 0.603	45.9 55.1 -21.2	59.0 338.9 0.1	341
501	B50R_075_062de	0.75 0.125 0.75	0.75 0.625 0.437	330	0.75 0.125 0.744	47.6 58.8 -35.9	68.9 328.6	0.736 0.274 0.722	47.4 58.8 -36.0	69.0 328.5 0.2	330
502	B42R_087_075de	0.75 0.125 0.875	0.875 0.75 0.5	321	0.713 0.125 0.875	48.4 65.2 -54.6	85.1 320.0	0.716 0.261 0.863	48.2 65.2 -54.7	85.1 319.9 0.2	318
503	B36R_100_087de	0.75 0.125 1.0	1.0 0.875 0.562	314	0.622 0.125 1.0	47.6 71.1 -75.1	103.5 313.4	0.645 0.238 1.0	47.4 71.0 -74.9	103.2 313.4 0.3	304
504	R31Y_075_075de	0.75 0.25 0.0	0.75 0.75 0.375	49	0.75 0.217 0.0	41.5 47.3 50.1	68.9 46.6	0.731 0.231 0.035	41.3 47.5 50.5	69.3 46.7 0.5	46
505	R18Y_075_062de	0.75 0.25 0.125	0.75 0.625 0.437	41	0.75 0.125 0.163	43.5 48.2 37.3	61.0 37.7	0.754 0.254 0.178	43.4 48.0 37.6	61.0 38.0 0.3	386
506	R00Y_075_050de	0.75 0.25 0.25	0.75 0.5 0.5	390	0.75 0.25 0.381	49.3 39.1 18.6	43.3 25.4	0.762 0.363 0.365	49.2 39.0 18.4	43.1 25.2 0.2	375
507	R26Y_075_050de	0.75 0.25 0.375	0.75 0.5 0.5	376	0.75 0.25 0.464	49.6 40.2 7.0	40.8 9.8	0.755 0.367 0.449	49.6 40.0 6.6	40.6 9.4 0.3	364
508	R00Y_075_050de	0.75 0.25 0.5	0.75 0.5 0.5	360	0.75 0.25 0.558	50.3 41.8 -5.8	42.2 352.0	0.747 0.373 0.543	50.3 41.5 -5.9	41.9 351.7 0.3	352
509	B61R_075_050de	0.75 0.25 0.625	0.75 0.5 0.5	344	0.75 0.25 0.623	50.9 43.3 -14.1	45.6 341.8	0.744 0.377 0.606	50.9 43.0 -14.0	45.2 341.8 0.3	344
510	B50R_075_050de	0.75 0.25 0.75	0.75 0.5 0.5	330	0.75 0.25 0.745	52.4 47.0 -28.7	55.1 328.6	0.743 0.385 0.724	52.4 46.7 -28.6	54.8 328.4 0.3	330
511	B40R_087_062de	0.75 0.25 0.875	0.875 0.625 0.562	319	0.705 0.25 0.875	52.9 53.3 -47.7	71.5 318.1	0.719 0.375 0.866	52.9 53.0 -47.7	71.3 318.0 0.2	314
512	B34R_100_075de	0.75 0.25 1.0	1.0 0.75 0.625	311	0.583 0.25 1.0	51.6 59.3 -69.1	91.1 310.5	0.636 0.35 1.0	51.4 58.9 -68.5	90.3 310.6 0.7	296
513	R50Y_075_075de	0.75 0.375 0.0	0.75 0.75 0.375	60	0.75 0.365 0.0	47.3 32.0 53.1	62.0 58.8	0.729 0.364 0.045	47.2 31.9 53.8	62.5 59.3 0.6	59
514	R38Y_075_062de	0.75 0.375 0.125	0.75 0.625 0.437	53	0.75 0.362 0.125	48.4 34.3 42.5	54.7 51.0	0.748 0.369 0.176	48.3 34.0 42.9	54.8 51.6 0.5	52
515	R23Y_075_050de	0.75 0.375 0.25	0.75 0.5 0.5	44	0.75 0.301 0.25	49.5 37.2 32.4	49.3 41.0	0.769 0.371 0.269	49.5 37.0 32.3	49.1 41.1 0.2	35
516	R00Y_075_037de	0.75 0.375 0.375	0.75 0.375 0.562	390	0.75 0.375 0.473	54.8 29.3 13.9	32.5 25.4	0.765 0.459 0.451	54.7 29.1 13.6	32.1 25.1 0.3	375
517	R18Y_075_037de	0.75 0.375 0.5	0.75 0.375 0.562	371	0.75 0.375 0.557	55.2 30.4 2.2	30.5 4.3	0.754 0.464 0.537	55.2 30.1 2.0	30.2 3.9 0.3	360
518	B65R_075_037de	0.75 0.375 0.625	0.75 0.375 0.562	349	0.75 0.375 0.632	55.8 32.0 -7.6	32.9 346.6	0.749 0.468 0.611	55.8 31.8 -7.5	32.6 346.6 0.2	347
519	B50R_075_037de	0.75 0.375 0.75	0.75 0.375 0.562	330	0.75 0.375 0.746	57.2 35.3 -21.5	41.3 328.6	0.744 0.478 0.725	57.1 34.9 -21.4	41.0 328.4 0.3	330
520	B38R_087_050de	0.75 0.375 0.875	0.875 0.5 0.625	316	0.694 0.375 0.875	57.3 41.4 -40.9	58.2 315.3	0.714 0.467 0.868	57.2 41.2 -41.0	58.1 315.1 0.2	309
521	B30R_100_062de	0.75 0.375 1.0	1.0 0.625 0.687	307	0.466 0.375 1.0	55.3 47.7 -63.7	79.6 306.8	0.618 0.437 1.0	55.0 46.9 -62.6	78.3 306.8 1.3	277
522	R68Y_075_075de	0.75 0.5 0.0	0.75 0.75 0.375	71	0.75 0.469 0.0	52.6 19.2 56.3	59.5 71.1	0.728 0.461 0.056	52.5 18.9 57.0	60.0 71.6 0.7	68
523	R61Y_075_062de	0.75 0.5 0.125	0.75 0.625 0.437	67	0.75 0.485 0.125	54.1 19.8 46.1	50.2 66.6	0.743 0.477 0.195	54.1 19.5 46.6	50.5 67.3 0.6	65
524	R50Y_075_050de	0.75 0.5 0.25	0.75 0.5 0.5	60	0.75 0.493 0.25	55.4 21.3 35.4	41.3 58.8	0.756 0.487 0.298	55.4 20.9 35.4	41.2 59.3 0.3	59
525	R31Y_075_037de	0.75 0.5 0.375	0.75 0.375 0.562	49	0.75 0.483 0.375	56.5 23.6 25.0	34.4 46.6	0.77 0.494 0.389	56.5 23.3 24.8	34.1 46.8 0.3	46
526	R00Y_075_025de	0.75 0.5 0.5	0.75 0.25 0.625	390	0.75 0.5 0.565	60.4 19.5 9.3	21.6 25.4	0.76 0.549 0.54	60.2 19.3 9.0	21.3 25.1 0.4	375
527	R00Y_075_025de	0.75 0.5 0.625	0.75 0.25 0.625	360	0.75 0.5 0.654	60.9 20.9 -2.9	21.1 352.0	0.746 0.555 0.631	60.8 20.6 -2.8	20.8 352.1 0.2	352
528	B50R_075_025de	0.75 0.5 0.75	0.75 0.25 0.625	330	0.75 0.5 0.747	62.0 23.5 -14.3	27.5 328.6	0.741 0.562 0.726	61.8 23.3 -14.4	27.4 328.2 0.2	330
529	B34R_087_037de	0.75 0.5 0.875	0.875 0.375 0.687	311	0.666 0.5 0.875	61.6 29.6 -34.5	45.5 310.5	0.702 0.549 0.869	61.4 29.3 -34.7	45.4 310.2 0.3	296
530	B25R_100_050de	0.75 0.5 1.0	1.0 0.5 0.75	300	0.5 0.635 1.0	66.8 26.3 -45.3	52.4 300.1	0.68 0.62 1.0	66.5 25.7 -44.3	51.3 300.1 1.2	254
531	R85Y_075_075de	0.75 0.625 0.0	0.75 0.75 0.375	81	0.75 0.557 0.0	57.6 8.0 59.7	60.2 82.2	0.727 0.543 0.063	57.5 7.7 60.3	60.8 82.6 0.4	75
532	R81Y_075_062de	0.75 0.625 0.125	0.75 0.625 0.437	79	0.75 0.574 0.125	59.1 8.6 49.3	50.0 80.0	0.739 0.558 0.212	59.0 8.3 49.6	50.3 80.4 0.4	74
533	R76Y_075_050de	0.75 0.625 0.25	0.75 0.5 0.5	76	0.75 0.592 0.25	60.6 9.1 38.8	39.9 76.7	0.748 0.573 0.319	60.4 8.9 38.8	39.8 77.0 0.2	72
534	R68Y_075_037de	0.75 0.625 0.375	0.75 0.375 0.562	71	0.75 0.609 0.375	62.0 9.6 28.1	29.7 71.1	0.753 0.59 0.418	61.9 9.4 28.8	29.4 71.1 0.3	68
535	R50Y_075_025de	0.75 0.625 0.5	0.75 0.25 0.625	60	0.75 0.621 0.5	63.4 10.6 17.7	20.6 58.8	0.757 0.604 0.51	63.3 10.7 17.3	20.3 58.1 0.4	59
536	R00Y_075_012de	0.75 0.625 0.625	0.75 0.125 0.687	390	0.75 0.625 0.657	65.9 9.7 4.6	10.8 25.4	0.749 0.637 0.629	65.8 9.7 4.6	10.8 25.4 0.1	375
537	B50R_075_012de	0.75 0.625 0.75	0.75 0.125 0.687	330	0.75 0.625 0.748	66.7 11.7 -7.1	13.7 328.6	0.734 0.644 0.725	66.5 11.6 -7.3	13.7 328.0 0.2	330
538	B25R_087_025de	0.75 0.625 0.875	0.875 0.25 0.75	300	0.625 0.692 0.875	69.1 13.1 -22.6	26.2 300.1	0.71 0.672 0.868	68.9 13.0 -22.9	26.3 299.6 0.3	254
539	B15R_100_037de	0.75 0.625 1.0	1.0 0.375 0.812	289	0.625 0.79 1.0	77.6 10.1 -28.1	29.9 289.7	0.755 0.777 1.0	77.4 9.6 -27.3	28.9 289.4 0.9	243
540	Y00G_075_075de	0.75 0.75 0.0	0.75 0.75 0.375	90	0.75 0.642 0.0	62.7 -2.5 63.3	63.4 92.3	0.728 0.622 0.072	62.6 -2.5 63.9	63.9 92.2 0.5	82
541	Y00G_075_062de	0.75 0.75 0.125	0.75 0.625 0.437	90	0.75 0.66 0.125	64.2 -2.1 52.8	52.8 92.3	0.738 0.638 0.232	64.0 -2.1 52.8	52.8 92.3 0.1	82
542	Y00G_075_050de	0.75 0.75 0.25	0.75 0.5 0.5	90	0.75 0.675 0.25	65.7 -1.7 42.2	42.2 92.3	0.745 0.655 0.341	65.6 -1.7 42.1	42.2 92.3 0.1	82
543	Y00G_075_037de	0.75 0.75 0.375	0.75 0.375 0.562	90	0.75 0.696 0.375	67.1 -1.2 31.6	31.7 92.3	0.746 0.671 0.441	67.0 -1.3 31.4	31.4 92.5 0.2	82
544	Y00G_075_025de	0.75 0.75 0.5	0.75 0.25 0.625	90	0.75 0.714 0.5	68.6 -0.8 21.1	21.1 92.3	0.744 0.688 0.536	68.4 -0.8 20.8	20.8 92.4 0.3	82
545	Y00G_075_012de	0.75 0.75 0.625	0.75 0.125 0.687	90	0.75 0.732 0.625	70.0 -0.4 10.5	10.5 92.3	0.736 0.706 0.629	69.9 -0.5 10.5	10.5 93.0 0.2	82
546	NW_075de	0.75 0.75 0.75	0.75 0.0 0.75	360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0	0.721 0.724 0.724	71.3 -0.1 0.0	0.2 207.8 0.2	360
547	B00R_087_012de	0.75 0.75 0.875	0.875 0.125 0.812	270	0.75 0.826 0.875	78.9 0.2 -7.0	7.0 271.7	0.78 0.809 0.862	78.8 0.1 -7.2	7.2 270.8 0.2	232
548	B00R_100_025de	0.75 0.75 1.0	1.0 0.2								

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsiMde	rgb*Mde	LabCh*Mde
567	R00Y_087_087de	0.875 0.0 0.0	0.875 0.875 0.437	390	0.875 0.0 0.23	44.5 68.5 32.6	0.864 0.053 0.232	44.3 68.9 32.4	25.2 0.4 375	1.0 0.0 0.263	50.9 78.3 37.3
568	R36Y_087_087de	0.875 0.0 0.125	0.875 0.875 0.437	382	0.875 0.0 0.315	44.8 69.4 20.6	0.863 0.055 0.317	44.6 69.7 20.2	72.6 16.1 0.5 369	1.0 0.0 0.36	51.3 79.3 23.5
569	R23Y_087_087de	0.875 0.0 0.25	0.875 0.875 0.437	374	0.875 0.0 0.395	45.3 70.7 9.5	0.865 0.049 0.395	45.1 71.2 9.0	71.7 7.2 0.6 363	1.0 0.0 0.452	51.7 80.8 10.8
570	R08Y_087_087de	0.875 0.0 0.375	0.875 0.875 0.437	365	0.875 0.0 0.487	45.9 72.4 -2.9	0.864 0.051 0.484	45.7 72.8 -3.5	72.8 35.7 1.7 356	1.0 0.0 0.557	52.5 82.7 -3.4
571	B70R_087_087de	0.875 0.0 0.5	0.875 0.875 0.437	355	0.875 0.0 0.538	46.3 73.1 -9.8	0.863 0.059 0.534	46.1 73.5 -10.3	74.3 35.9 0.6 352	1.0 0.0 0.615	52.9 83.5 -11.2
572	B63R_087_087de	0.875 0.0 0.625	0.875 0.875 0.437	346	0.875 0.0 0.632	47.2 75.1 -21.9	0.864 0.057 0.622	47.0 75.9 -22.0	79.0 34.7 0.4 345	1.0 0.0 0.723	53.9 86.3 -25.1
573	B56R_087_087de	0.875 0.0 0.75	0.875 0.875 0.437	338	0.875 0.0 0.735	48.3 78.3 -34.5	0.862 0.061 0.722	48.0 78.6 -34.8	86.0 33.6 0.4 338	1.0 0.0 0.84	55.2 89.5 -39.5
574	B50R_087_087de	0.875 0.0 0.875	0.875 0.875 0.437	330	0.875 0.0 0.867	50.0 82.3 -50.2	0.861 0.068 0.853	49.8 82.7 -50.5	96.9 32.0 0.4 330	1.0 0.0 0.991	57.1 94.1 -57.4
575	B44R_100_100de	0.875 0.0 1.0	1.0 1.0 0.5	323	0.837 0.0 1.0	50.7 88.7 -69.4	0.837 0.0 1.0	50.6 88.6 -69.4	112.5 32.9 0.1 321	0.837 0.0 1.0	50.7 88.7 -69.4
576	R13Y_087_087de	0.875 0.125 0.0	0.875 0.875 0.437	38	0.875 0.0 0.122	44.3 67.7 46.4	0.864 0.052 0.13	44.1 68.2 46.2	82.4 34.1 0.4 382	1.0 0.0 0.14	50.6 77.4 53.0
577	R00Y_087_075de	0.875 0.125 0.125	0.875 0.75 0.5	390	0.875 0.125 0.322	50.1 58.7 27.9	0.884 0.266 0.313	50.0 58.7 27.7	65.0 25.3 0.2 375	1.0 0.0 0.263	50.9 78.3 37.3
578	R35Y_087_075de	0.875 0.125 0.25	0.875 0.75 0.5	381	0.875 0.125 0.404	50.4 59.4 16.4	0.88 0.269 0.397	50.3 59.5 16.0	61.6 15.1 0.3 368	1.0 0.0 0.373	51.3 79.2 21.9
579	R18Y_087_075de	0.875 0.125 0.375	0.875 0.75 0.5	371	0.875 0.125 0.489	50.9 60.8 4.5	0.878 0.271 0.482	50.8 60.9 4.1	61.1 3.9 0.4 360	1.0 0.0 0.486	51.9 81.1 6.1
580	R00Y_087_075de	0.875 0.125 0.5	0.875 0.75 0.5	360	0.875 0.125 0.588	51.6 62.7 -8.7	0.874 0.275 0.579	51.5 62.7 -8.9	63.4 35.1 0.2 352	1.0 0.0 0.617	52.9 83.6 -11.6
581	B65R_087_075de	0.875 0.125 0.625	0.875 0.75 0.5	349	0.875 0.125 0.639	52.1 64.1 -15.2	0.876 0.275 0.628	52.0 64.2 -15.2	66.0 34.6 0.1 347	1.0 0.0 0.686	53.6 85.5 -20.3
582	B57R_087_075de	0.875 0.125 0.75	0.875 0.75 0.5	339	0.875 0.125 0.743	53.2 66.8 -28.1	0.874 0.28 0.731	53.0 67.0 -28.3	72.7 33.1 0.2 339	1.0 0.0 0.824	55.0 89.1 -37.5
583	B50R_087_075de	0.875 0.125 0.875	0.875 0.75 0.5	330	0.875 0.125 0.868	54.8 70.6 -43.0	0.872 0.287 0.856	54.6 70.8 -43.3	83.0 32.5 0.3 330	1.0 0.0 0.991	57.1 94.1 -57.4
584	B43R_100_087de	0.875 0.125 1.0	1.0 0.875 0.562	322	0.834 0.125 1.0	55.3 76.9 -62.2	0.847 0.271 1.0	55.2 76.9 -62.0	98.8 31.0 0.2 319	0.811 0.0 1.0	49.6 87.9 -71.1
585	R26Y_087_087de	0.875 0.25 0.0	0.875 0.875 0.437	46	0.875 0.173 0.0	46.4 60.9 57.4	0.863 0.187 0.019	46.1 61.5 57.3	84.1 43.0 0.6 40	1.0 0.198 0.0	53.0 69.6 65.6
586	R15Y_087_087de	0.875 0.25 0.125	0.875 0.75 0.5	39	0.875 0.125 0.217	49.8 57.9 41.3	0.887 0.265 0.213	49.7 57.9 41.5	71.2 35.6 0.2 383	1.0 0.0 0.123	50.5 77.2 55.0
587	R00Y_087_062de	0.875 0.25 0.25	0.875 0.625 0.562	390	0.875 0.25 0.414	55.6 48.9 23.3	0.899 0.388 0.399	55.6 48.8 23.0	54.0 25.2 0.2 375	1.0 0.0 0.263	50.9 78.3 37.3
588	R31Y_087_062de	0.875 0.25 0.375	0.875 0.625 0.562	379	0.875 0.25 0.497	56.0 49.9 11.7	0.893 0.391 0.484	55.9 49.8 11.4	51.1 12.9 0.3 366	1.0 0.0 0.395	51.4 79.8 18.7
589	R11Y_087_062de	0.875 0.25 0.5	0.875 0.625 0.562	367	0.875 0.25 0.583	56.5 51.3 -0.1	0.888 0.394 0.57	56.4 51.2 -0.2	51.2 35.9 0.1 357	1.0 0.0 0.533	52.3 82.1 -0.2
590	B69R_087_062de	0.875 0.25 0.625	0.875 0.625 0.562	353	0.875 0.25 0.648	57.0 52.5 -8.8	0.884 0.398 0.636	56.9 52.4 -8.7	53.1 35.0 0.1 350	1.0 0.0 0.637	53.1 84.1 -14.2
591	B59R_087_062de	0.875 0.25 0.75	0.875 0.625 0.562	341	0.875 0.25 0.745	58.0 55.1 -21.1	0.882 0.403 0.734	57.9 55.0 -21.1	58.9 33.0 0.1 341	1.0 0.0 0.793	54.7 88.2 -33.8
592	B50R_087_062de	0.875 0.25 0.875	0.875 0.625 0.562	330	0.875 0.25 0.869	59.5 58.8 -35.9	0.88 0.407 0.859	58.8 -35.9 68.9 32.8	0.1 330	1.0 0.0 0.991	57.1 94.1 -57.4
593	B42R_100_075de	0.875 0.25 1.0	1.0 0.75 0.625	321	0.838 0.25 1.0	60.3 65.2 -54.5	0.861 0.401 1.0	60.2 65.0 -54.0	84.6 32.0 0.6 318	0.784 0.0 1.0	48.6 87.0 -71.8
594	R41Y_087_087de	0.875 0.375 0.0	0.875 0.875 0.437	55	0.875 0.358 0.0	52.2 45.0 60.4	0.863 0.361 0.021	52.2 45.0 60.6	75.5 53.4 0.1 54	1.0 0.41 0.0	59.7 51.4 69.1
595	R31Y_087_075de	0.875 0.375 0.125	0.875 0.75 0.5	49	0.875 0.342 0.125	53.4 47.3 50.1	0.865 0.366 0.169	53.4 47.2 50.5	69.1 46.9 0.4 46	1.0 0.29 0.0	55.4 63.0 66.8
596	R18Y_087_062de	0.875 0.375 0.25	0.875 0.625 0.562	41	0.875 0.25 0.288	55.4 48.2 37.3	0.906 0.385 0.294	55.4 48.1 37.3	60.9 35.7 0.1 386	1.0 0.0 0.062	50.5 77.2 59.7
597	R00Y_087_050de	0.875 0.375 0.375	0.875 0.5 0.625	390	0.875 0.375 0.506	61.2 39.1 18.6	0.908 0.492 0.486	61.2 39.0 18.4	43.1 27.2 0.2 375	1.0 0.0 0.263	50.9 78.3 37.3
598	R26Y_087_050de	0.875 0.375 0.5	0.875 0.5 0.625	376	0.875 0.375 0.589	61.6 40.2 7.0	0.899 0.496 0.572	61.6 39.9 7.0	40.6 9.9 0.2 364	1.0 0.0 0.429	51.6 80.5 14.0
599	R00Y_087_050de	0.875 0.375 0.625	0.875 0.5 0.625	360	0.875 0.375 0.683	62.2 41.8 -5.8	0.889 0.502 0.67	62.2 41.4 -5.6	41.8 35.2 0.4 352	1.0 0.0 0.617	52.9 83.6 -11.6
600	B61R_087_050de	0.875 0.375 0.75	0.875 0.5 0.625	344	0.875 0.375 0.748	62.8 43.3 -14.1	0.885 0.506 0.737	62.9 43.0 -14.0	45.2 34.9 0.3 344	1.0 0.0 0.747	54.1 86.7 -28.3
601	B50R_087_050de	0.875 0.375 0.875	0.875 0.5 0.625	330	0.875 0.375 0.87	64.3 47.0 -28.7	0.884 0.515 0.86	64.3 46.8 -28.6	49.4 32.8 0.2 330	1.0 0.0 0.991	57.1 94.1 -57.4
602	B40R_100_062de	0.875 0.375 1.0	1.0 0.625 0.687	319	0.83 0.375 1.0	64.8 53.3 -47.7	0.862 0.501 1.0	64.5 53.3 -47.1	71.2 31.8 0.6 314	0.729 0.0 1.0	46.5 85.3 -76.3
603	R58Y_087_087de	0.875 0.5 0.0	0.875 0.875 0.437	65	0.875 0.483 0.0	58.0 30.5 63.9	0.863 0.481 0.024	58.0 30.3 64.2	71.0 64.6 0.2 63	1.0 0.552 0.0	66.3 34.9 73.1
604	R50Y_087_075de	0.875 0.5 0.125	0.875 0.75 0.5	60	0.875 0.49 0.125	59.2 32.0 53.1	0.88 0.49 0.11	59.2 31.7 53.6	62.3 59.3 0.6 59	1.0 0.487 0.0	63.1 42.7 70.8
605	R38Y_087_062de	0.875 0.5 0.25	0.875 0.625 0.562	53	0.875 0.487 0.25	60.3 34.2 42.5	0.898 0.495 0.296	60.3 34.1 42.6	54.6 51.3 0.2 52	1.0 0.379 0.0	58.3 54.9 68.1
606	R23Y_087_050de	0.875 0.5 0.375	0.875 0.5 0.625	44	0.875 0.426 0.375	61.4 37.2 32.4	0.918 0.498 0.387	61.4 37.0 32.3	49.1 41.0 0.2 35	1.0 0.102 0.0	51.3 74.4 64.8
607	R00Y_087_037de	0.875 0.5 0.5	0.875 0.375 0.687	390	0.875 0.5 0.598	66.8 29.3 13.9	0.908 0.586 0.574	66.6 29.3 13.8	32.4 25.2 0.1 375	1.0 0.0 0.263	50.9 78.3 37.3
608	R18Y_087_037de	0.875 0.5 0.625	0.875 0.375 0.687	371	0.875 0.5 0.682	67.1 30.4 2.2	0.895 0.59 0.663	67.0 30.4 2.2	30.5 4.2 0.1 360	1.0 0.0 0.486	51.9 81.1 6.1
609	B65R_087_037de	0.875 0.5 0.75	0.875 0.375 0.687	349	0.875 0.5 0.757	67.8 32.0 -7.6	0.888 0.595 0.743	67.6 32.1 -7.7	33.0 34.6 0.1 347	1.0 0.0 0.686	53.6 85.5 -20.3
610	B50R_087_037de	0.875 0.5 0.875	0.875 0.375 0.687	330	0.875 0.5 0.871	69.1 35.3 -21.5	0.884 0.604 0.861	69.0 35.4 -21.6	41.5 32.8 0.2 330	1.0 0.0 0.991	57.1 94.1 -57.4
611	B38R_100_050de	0.875 0.5 1.0	1.0 0.5 0.75	316	0.819 0.5 1.0	69.3 41.4 -40.9	0.855 0.595 1.0	69.0 41.1 -40.1	57.4 31.5 0.9 309	0.638 0.0 1.0	43.2 82.9 -81.9
612	R73Y_087_087de	0.875 0.625 0.0	0.875 0.875 0.437	74	0.875 0.578 0.0	63.1 18.6 67.1	0.862 0.571 0.031	63.0 18.6 67.3	69.8 74.5 0.2 70	1.0 0.661 0.0	72.1 21.3 76.7
613	R68Y_087_075de	0.875 0.625 0.125	0.875 0.75 0.5	71	0.875 0.594 0.125	64.5 19.2 56.3	0.876 0.585 0.209	64.4 19.2 56.6	59.8 71.2 0.3 68	1.0 0.626 0.0	70.1 25.6 75.1
614	R61Y_087_062de	0.875 0.625 0.25	0.875 0.625 0.562	67	0.875 0.61 0.25	66.1 19.8 46.1	0.89 0.601 0.32	65.9 19.9 46.1	50.2 66.6 0.1 65	1.0 0.576 0.0	67.6 31.8 73.8
615	R50Y_087_050de	0.875 0.625 0.375	0.875 0.5 0.625	60	0.875 0.618 0.375	67.3 21.3 35.4	0.901 0.611 0.42	67.1 21.4 35.1	41.1 58.5 0.3 59	1.0 0.487 0.0	63.1 42.7 70.8
616	R31Y_087_037de	0.875 0.625 0.5	0.875 0.375 0.687	49	0.875 0.608 0.5	68.4 23.6 25.0	0.914 0.619 0.512	68.3 23.8 24.6	34.3 45.9 0.4 46	1.0 0.29 0.0	55.4 63.0 66.8
617	R00Y_087_025de	0.875 0.625 0.625	0.875 0.25 0.75	390	0.875 0.625 0.69	72.3 19.5 9.3	0.876 0.678 0.666	72.1 19.5 9.2	21.6 25.2 0.2 375	1.0 0.0 0.263	50.9 78.3 37.3
618	R00Y_087_025de	0.875 0.625 0.75	0.875 0.25 0.75	360	0.875 0.625 0.779	72.8 20.9 -2.9	0.884 0.683 0.763	72.6 20.9 -3.0	21.1 35.1 0.2 352	1.0 0.0 0.617	52.9 83.6 -11.6
619	B50R_087_025de	0.875 0.625 0.875	0.875 0.25 0.75	330	0.875 0.625 0.872	73.9 23.5 -14.3	0.88 0.692 0.861	73.7 23.6 -14.5	27.7 32.8 0.2 330	1.0 0.0 0.991	57.1 94.1 -57.4
620	B34R_100_037de	0.875 0.625 1.0	1.0 0.375 0.812	311	0.791 0.625 1.0	73.5 29.6 -34.5	0.841 0.677 1.0	73.2 29.2 -33.6	44.5 31.0 0.1 296	0.444 0.0 1.0	37.0 79.0 -92.2
621	R86Y_087_087de	0.875 0.75 0.0	0.875 0.875 0.437	82	0.875 0.66 0.0	67.8 8.1 70.0	0.861 0.65 0.04	67.6 8.1 70.3	70.8 83.3 0.3 76	1.0 0.754 0.0	77.5 9.2 80.0
622	R85Y_087_075de	0.875 0.75 0.125	0.875 0.75 0.5	81	0.875 0.682 0.125	69.5 8.0 59.7	0.862 0.669 0.226	69.4 8.1 59.8	60.4 82.2 0.2 75	1.0 0.742 0.0	76.8 10.7 79.6
623	R81Y_087_062de	0.875 0.75 0.25	0.875 0.625 0.562</								

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HIC*F _{de}	rgb_F _{de}	ict_F _{de}	hsi_F _{de}	rgb*F _{de}	LabCh*F _{de}	rgb**F _{de}	LabCh**F _{de}	DE**F _{de} hsiM _{de}	rgb**M _{de}	LabCh**M _{de}
648	R00Y_100_100de	1.0 0.0 0.0	1.0 1.0 0.5	390	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4	1.0 0.0 0.264	50.9 78.1 37.1	86.5 25.4 0.2	375
649	R38Y_100_100de	1.0 0.0 0.125	1.0 1.0 0.5	383	1.0 0.0 0.348	51.2 79.3 25.2	83.2 17.6	1.0 0.0 0.35	51.2 78.9 25.0	82.8 17.6 0.3	369
650	R26Y_100_100de	1.0 0.0 0.25	1.0 1.0 0.5	376	1.0 0.0 0.429	51.6 80.5 14.0	81.7 9.8	1.0 0.0 0.431	51.6 80.0 13.7	81.2 9.7 0.6	364
651	R13Y_100_100de	1.0 0.0 0.375	1.0 1.0 0.5	368	1.0 0.0 0.521	52.2 81.8 1.3	81.8 0.9	1.0 0.0 0.522	52.2 81.5 1.1	81.5 0.7 0.3	358
652	R00Y_100_100de	1.0 0.0 0.5	1.0 1.0 0.5	360	1.0 0.0 0.617	52.9 83.6 -11.6	84.4 352.0	1.0 0.0 0.616	52.9 83.4 -11.5	84.2 352.1 0.1	352
653	B68R_100_100de	1.0 0.0 0.625	1.0 1.0 0.5	352	1.0 0.0 0.65	53.2 84.5 -15.7	85.9 349.4	1.0 0.0 0.647	53.2 84.1 -15.6	85.6 349.4 0.3	350
654	B61R_100_100de	1.0 0.0 0.75	1.0 1.0 0.5	344	1.0 0.0 0.747	54.1 86.7 -28.3	91.2 341.8	1.0 0.0 0.746	54.1 86.6 -28.2	91.1 341.9 0.1	344
655	B55R_100_100de	1.0 0.0 0.875	1.0 1.0 0.5	337	1.0 0.0 0.855	55.4 89.9 -41.4	99.0 335.2	1.0 0.0 0.854	55.3 89.7 -41.4	98.8 335.1 0.2	337
656	B50R_100_100de	1.0 0.0 1.0	1.0 1.0 0.5	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6	1.0 0.0 0.991	57.1 94.0 -57.4	110.2 328.5 0.0	330
657	R11Y_100_100de	1.0 0.125 0.0	1.0 1.0 0.5	37	1.0 0.0 0.156	50.6 77.6 50.9	92.9 33.2	1.0 0.0 0.157	50.6 77.3 51.2	92.8 33.5 0.4	381
658	R00Y_100_087de	1.0 0.125 0.125	1.0 0.875 0.562	390	1.0 0.125 0.355	56.4 68.5 32.6	75.8 25.4	1.0 0.274 0.346	55.4 67.0 30.9	73.8 24.8 2.4	375
659	R36Y_100_087de	1.0 0.125 0.25	1.0 0.875 0.562	382	1.0 0.125 0.44	56.8 69.4 20.6	72.4 16.5	1.0 0.276 0.434	55.8 68.1 18.9	70.7 15.5 2.2	369
660	R23Y_100_087de	1.0 0.125 0.375	1.0 0.875 0.562	374	1.0 0.125 0.52	57.2 70.7 9.5	71.4 7.6	1.0 0.25 0.5	55.5 71.3 9.0	71.8 7.2 1.8	363
661	R08Y_100_087de	1.0 0.125 0.5	1.0 0.875 0.562	365	1.0 0.125 0.612	57.8 72.4 -2.9	72.4 357.6	1.0 0.279 0.607	57.0 71.4 -4.2	71.5 356.6 1.7	356
662	B70R_100_087de	1.0 0.125 0.625	1.0 0.875 0.562	355	1.0 0.125 0.663	58.2 73.1 -9.8	73.8 352.3	1.0 0.282 0.66	57.5 72.4 -10.8	73.2 351.4 1.4	352
663	B63R_100_087de	1.0 0.125 0.75	1.0 0.875 0.562	346	1.0 0.125 0.757	59.1 75.5 -21.9	78.6 343.7	1.0 0.285 0.749	58.3 74.7 -22.1	77.9 343.4 1.1	345
664	B56R_100_087de	1.0 0.125 0.875	1.0 0.875 0.562	338	1.0 0.125 0.86	60.2 78.3 -34.5	85.6 336.1	1.0 0.289 0.859	59.6 77.8 -35.6	85.6 335.4 1.3	338
665	B50R_100_087de	1.0 0.125 1.0	1.0 0.875 0.562	330	1.0 0.125 0.992	61.9 82.3 -50.2	96.5 328.6	1.0 0.296 0.994	61.3 82.1 -51.2	96.7 328.0 1.1	330
666	R23Y_100_100de	1.0 0.25 0.0	1.0 1.0 0.5	44	1.0 0.102 0.0	51.3 74.4 64.8	98.7 41.0	0.999 0.102 0.0	51.2 74.7 64.8	98.9 40.9 0.2	35
667	R13Y_100_087de	1.0 0.25 0.125	1.0 0.875 0.562	38	1.0 0.125 0.247	56.2 67.7 46.4	82.1 34.3	1.0 0.272 0.242	55.0 66.0 44.7	79.7 34.1 2.6	382
668	R00Y_100_075de	1.0 0.25 0.25	1.0 0.75 0.625	390	1.0 0.25 0.447	62.0 58.7 27.9	65.0 25.4	1.0 0.409 0.432	60.5 55.4 25.5	61.0 24.7 4.3	375
669	R35Y_100_075de	1.0 0.25 0.375	1.0 0.75 0.625	381	1.0 0.25 0.529	62.3 59.4 16.4	61.6 15.4	1.0 0.412 0.501	60.9 56.4 16.4	58.8 16.2 3.3	368
670	R18Y_100_075de	1.0 0.25 0.5	1.0 0.75 0.625	371	1.0 0.25 0.614	62.8 60.8 4.5	61.0 4.3	1.0 0.415 0.605	61.6 58.5 2.9	58.6 2.8 3.0	360
671	R00Y_100_075de	1.0 0.25 0.625	1.0 0.75 0.625	360	1.0 0.25 0.713	63.5 62.7 -8.7	63.3 352.0	1.0 0.42 0.709	62.6 60.9 -10.1	61.7 350.5 2.4	352
672	B65R_100_075de	1.0 0.25 0.75	1.0 0.75 0.625	349	1.0 0.25 0.764	64.0 64.1 -15.2	65.9 346.6	1.0 0.421 0.749	62.9 62.0 -15.1	63.8 346.2 2.3	347
673	B57R_100_075de	1.0 0.25 0.875	1.0 0.75 0.625	339	1.0 0.25 0.868	65.1 66.8 -28.1	72.5 337.1	1.0 0.427 0.868	64.2 65.4 -29.5	71.8 335.7 2.1	339
674	B50R_100_075de	1.0 0.25 1.0	1.0 0.75 0.625	330	1.0 0.25 0.993	66.7 70.6 -43.0	82.7 328.6	1.0 0.436 0.997	65.9 69.4 -44.3	82.4 327.4 1.8	330
675	R36Y_100_100de	1.0 0.375 0.0	1.0 1.0 0.5	52	1.0 0.358 0.0	57.6 56.9 67.8	88.5 49.9	0.999 0.359 0.0	57.6 57.0 67.6	88.4 49.8 0.1	50
676	R26Y_100_087de	1.0 0.375 0.125	1.0 0.875 0.562	46	1.0 0.298 0.125	58.3 60.9 57.4	83.7 43.3	1.0 0.344 0.161	57.2 59.0 56.4	81.7 43.7 2.4	40
677	R15Y_100_075de	1.0 0.375 0.25	1.0 0.75 0.625	39	1.0 0.25 0.342	61.8 57.9 41.3	71.1 35.5	1.0 0.408 0.33	60.0 54.0 38.8	66.5 35.6 4.8	383
678	R00Y_100_062de	1.0 0.375 0.375	1.0 0.625 0.687	390	1.0 0.375 0.539	67.6 48.9 23.3	54.2 25.4	1.0 0.5 0.5	64.7 46.4 21.9	51.3 25.2 3.9	375
679	R31Y_100_062de	1.0 0.375 0.5	1.0 0.625 0.687	379	1.0 0.375 0.622	67.9 49.9 11.7	51.2 13.2	1.0 0.525 0.607	66.5 46.0 9.6	47.0 11.8 4.6	366
680	R11Y_100_062de	1.0 0.375 0.625	1.0 0.625 0.687	367	1.0 0.375 0.708	68.4 51.3 -0.1	51.3 359.8	1.0 0.529 0.699	67.2 48.2 -1.8	48.2 357.7 3.7	357
681	B69R_100_062de	1.0 0.375 0.75	1.0 0.625 0.687	353	1.0 0.375 0.773	68.9 52.5 -8.8	53.3 350.4	1.0 0.5 0.75	66.3 53.2 -10.2	54.2 349.1 3.0	350
682	B59R_100_062de	1.0 0.375 0.875	1.0 0.625 0.687	341	1.0 0.375 0.87	69.9 55.1 -21.1	59.0 339.0	1.0 0.538 0.87	69.0 53.0 -22.5	57.6 336.9 2.7	341
683	B50R_100_062de	1.0 0.375 1.0	1.0 0.625 0.687	330	1.0 0.375 0.994	71.5 58.8 -35.9	68.9 328.6	1.0 0.547 0.999	70.6 57.1 -37.2	68.2 326.8 2.3	330
684	R50Y_100_100de	1.0 0.5 0.0	1.0 1.0 0.5	60	1.0 0.487 0.0	63.1 42.7 70.8	82.7 58.8	0.999 0.489 0.0	63.1 42.6 70.7	82.5 58.9 0.1	59
685	R41Y_100_087de	1.0 0.5 0.125	1.0 0.875 0.562	55	1.0 0.483 0.125	64.2 45.0 60.4	75.4 53.3	1.0 0.493 0.18	63.5 42.7 60.1	73.7 54.5 2.3	54
686	R31Y_100_075de	1.0 0.5 0.25	1.0 0.75 0.625	49	1.0 0.467 0.25	65.4 47.3 50.1	68.9 46.6	1.0 0.5 0.292	64.0 43.0 48.2	64.6 48.2 4.8	46
687	R18Y_100_062de	1.0 0.5 0.375	1.0 0.625 0.687	41	1.0 0.375 0.413	67.3 48.2 37.3	61.0 37.7	1.0 0.5 0.375	64.2 44.1 38.0	58.3 40.7 5.1	386
688	R00Y_100_050de	1.0 0.5 0.5	1.0 0.5 0.75	390	1.0 0.5 0.631	73.1 39.1 18.6	43.3 25.4	1.0 0.622 0.61	71.4 33.9 16.1	37.6 25.4 5.9	375
689	R26Y_100_050de	1.0 0.5 0.625	1.0 0.5 0.75	376	1.0 0.5 0.714	73.5 40.2 7.0	40.8 9.8	1.0 0.623 0.7	72.0 36.5 4.7	36.8 7.4 4.6	364
690	R00Y_100_050de	1.0 0.5 0.75	1.0 0.5 0.75	360	1.0 0.5 0.808	74.1 41.8 -5.8	42.2 352.0	1.0 0.623 0.804	72.6 40.0 -8.0	40.8 348.5 3.2	352
691	B61R_100_050de	1.0 0.5 0.875	1.0 0.5 0.75	344	1.0 0.5 0.873	74.8 43.3 -14.1	45.6 341.8	1.0 0.623 0.873	73.2 42.6 -16.5	45.7 338.7 2.9	344
692	B50R_100_050de	1.0 0.5 1.0	1.0 0.5 0.75	330	1.0 0.5 0.995	76.3 47.0 -28.7	55.1 328.6	1.0 0.645 1.0	75.4 45.0 -29.9	54.1 326.3 2.5	330
693	R63Y_100_100de	1.0 0.625 0.0	1.0 1.0 0.5	68	1.0 0.589 0.0	68.2 30.2 74.2	80.1 67.8	1.0 0.588 0.0	68.1 30.4 73.7	79.8 67.5 0.4	65
694	R58Y_100_087de	1.0 0.625 0.125	1.0 0.875 0.562	65	1.0 0.608 0.125	69.9 30.5 63.9	70.8 64.4	1.0 0.607 0.197	69.3 28.8 63.6	69.9 65.6 1.8	63
695	R50Y_100_075de	1.0 0.625 0.25	1.0 0.75 0.625	60	1.0 0.615 0.25	71.1 32.0 53.1	62.0 58.8	1.0 0.618 0.318	70.1 28.7 51.8	59.2 60.9 3.7	59
696	R38Y_100_062de	1.0 0.625 0.375	1.0 0.625 0.687	53	1.0 0.612 0.375	72.2 34.3 42.5	54.7 51.0	1.0 0.623 0.419	70.6 29.6 40.2	49.9 53.6 5.5	52
697	R23Y_100_050de	1.0 0.625 0.5	1.0 0.5 0.75	44	1.0 0.551 0.5	73.3 37.2 32.4	49.3 41.0	1.0 0.625 0.5	71.0 31.0 30.2	43.3 44.3 6.9	35
698	R00Y_100_037de	1.0 0.625 0.625	1.0 0.375 0.812	390	1.0 0.625 0.723	78.7 29.3 13.9	32.5 25.4	1.0 0.719 0.703	77.2 24.3 11.8	27.1 25.9 5.6	375
699	R18Y_100_037de	1.0 0.625 0.75	1.0 0.375 0.812	371	1.0 0.625 0.807	79.1 30.4 2.2	30.5 4.3	1.0 0.723 0.797	78.0 26.9 0.6	26.9 1.4 3.9	360
700	B65R_100_037de	1.0 0.625 0.875	1.0 0.375 0.812								

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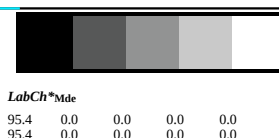
n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsi_Mde	rgb**Mde	LabCh**Mde			
729	NW_100de	1.0 1.0 1.0	1.0 0.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	
730	G50B_100_012de	0.875 1.0 1.0	1.0 0.125 0.937	210	0.875 0.986 1.0	93.3 -4.2 -3.2	5.3 216.9	0.924 0.987 1.0	93.3 -4.3 -3.2	5.4 216.5 0.1	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
731	G50B_100_025de	0.75 1.0 1.0	1.0 0.25 0.875	210	0.75 0.972 1.0	91.3 -8.5 -6.4	10.7 216.9	0.847 0.974 1.0	91.2 -8.7 -6.4	10.8 216.1 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
732	G50B_100_037de	0.625 1.0 1.0	1.0 0.375 0.812	210	0.625 0.958 1.0	89.2 -12.8 -9.6	16.0 216.9	0.765 0.961 1.0	89.2 -13.1 -9.5	16.2 216.1 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
733	G50B_100_050de	0.5 1.0 1.0	1.0 0.5 0.75	210	0.5 0.945 1.0	87.2 -17.1 -12.8	21.4 216.9	0.676 0.947 1.0	87.1 -17.5 -12.7	21.7 216.0 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
734	G50B_100_062de	0.375 1.0 1.0	1.0 0.625 0.687	210	0.375 0.931 1.0	85.2 -21.4 -16.1	26.8 216.9	0.581 0.933 1.0	85.1 -21.8 -15.9	27.0 216.1 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
735	G50B_100_075de	0.25 1.0 1.0	1.0 0.75 0.625	210	0.25 0.917 1.0	83.1 -25.6 -19.3	32.1 216.9	0.471 0.919 1.0	83.1 -26.0 -19.0	32.2 216.2 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
736	G50B_100_087de	0.125 1.0 1.0	1.0 0.875 0.562	210	0.125 0.903 1.0	81.1 -29.9 -22.5	37.5 216.9	0.322 0.905 1.0	81.0 -30.4 -22.2	37.7 216.2 0.5	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
737	G50B_100_100de	0.0 1.0 1.0	1.0 1.0 0.5	210	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9	0.0 0.89 1.0	79.0 -34.1 -25.3	42.5 216.6 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
738	RO0Y_100_012de	1.0 0.875 0.875	1.0 0.125 0.937	390	1.0 0.875 0.907	89.8 9.7 4.6	10.8 25.4	1.0 0.907 0.899	89.2 7.3 3.7	8.3 27.1 2.6	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
739	NW_087de	0.875 0.875 0.875	0.875 0.0 0.875	360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0	0.858 0.86 0.86	83.3 0.0 0.0	0.1 212.6 0.1	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
740	G50B_087_012de	0.75 0.875 0.875	0.875 0.125 0.812	210	0.75 0.861 0.875	81.4 -4.2 -3.2	5.3 216.9	0.786 0.847 0.86	81.3 -4.4 -3.2	5.5 216.4 0.1	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
741	G50B_087_025de	0.625 0.875 0.875	0.875 0.25 0.75	210	0.625 0.847 0.875	79.4 -8.5 -6.4	10.7 216.9	0.707 0.835 0.86	79.2 -8.9 -6.5	11.0 216.3 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
742	G50B_087_037de	0.5 0.875 0.875	0.875 0.375 0.687	210	0.5 0.833 0.875	77.3 -12.8 -9.6	16.0 216.9	0.629 0.822 0.861	77.2 -13.0 -9.7	16.3 216.6 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
743	G50B_087_050de	0.375 0.875 0.875	0.875 0.5 0.625	210	0.375 0.82 0.875	75.3 -17.1 -12.8	21.4 216.9	0.542 0.809 0.862	75.2 -17.3 -12.9	21.6 216.8 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
744	G50B_087_062de	0.25 0.875 0.875	0.875 0.625 0.562	210	0.25 0.806 0.875	73.2 -21.4 -16.1	26.8 216.9	0.44 0.795 0.862	73.1 -21.6 -16.2	27.0 216.8 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
745	G50B_087_075de	0.125 0.875 0.875	0.875 0.75 0.5	210	0.125 0.792 0.875	71.2 -25.6 -19.3	32.1 216.9	0.312 0.781 0.863	71.1 -25.9 -19.4	32.3 216.8 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
746	G50B_087_087de	0.0 0.875 0.875	0.875 0.875 0.437	210	0.0 0.778 0.875	69.1 -29.9 -22.5	37.5 216.9	0.047 0.767 0.863	69.0 -30.1 -22.6	37.7 216.8 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
747	RO0Y_100_025de	1.0 0.75 0.75	1.0 0.25 0.875	390	1.0 0.75 0.815	84.2 19.5 9.3	21.6 25.4	1.0 0.814 0.8	83.1 15.5 7.7	17.3 26.4 4.5	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
748	RO0Y_087_012de	0.875 0.75 0.75	0.875 0.125 0.812	390	0.875 0.75 0.782	77.9 9.7 4.6	10.8 25.4	0.886 0.769 0.762	77.8 9.7 4.6	10.8 25.3 0.1	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
749	NW_075de	0.75 0.75 0.75	0.75 0.0 0.75	360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0	0.721 0.724 0.724	71.3 -0.1 0.0	0.2 207.8 0.2	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
750	G50B_075_012de	0.625 0.75 0.75	0.75 0.125 0.687	210	0.625 0.736 0.75	69.5 -4.2 -3.2	5.3 216.9	0.652 0.712 0.724	69.3 -4.4 -3.2	5.5 216.2 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
751	G50B_075_025de	0.5 0.75 0.75	0.75 0.25 0.625	210	0.5 0.722 0.75	67.4 -8.5 -6.4	10.7 216.9	0.576 0.7 0.725	67.2 -8.8 -6.5	11.0 216.3 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
752	G50B_075_037de	0.375 0.75 0.75	0.75 0.375 0.562	210	0.375 0.708 0.75	65.4 -12.8 -9.6	16.0 216.9	0.501 0.687 0.725	65.3 -12.8 -9.6	16.0 216.8 0.1	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
753	G50B_075_050de	0.25 0.75 0.75	0.75 0.5 0.5	210	0.25 0.695 0.75	63.3 -17.1 -12.8	21.4 216.9	0.408 0.674 0.726	63.2 -17.3 -12.9	21.6 216.8 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
754	G50B_075_062de	0.125 0.75 0.75	0.75 0.625 0.437	210	0.125 0.681 0.75	61.3 -21.4 -16.1	26.8 216.9	0.294 0.661 0.726	61.1 -21.7 -16.2	27.1 216.8 0.3	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
755	G50B_075_075de	0.0 0.75 0.75	0.75 0.75 0.375	210	0.0 0.667 0.75	59.3 -25.6 -19.3	32.1 216.9	0.104 0.647 0.726	59.1 -25.9 -19.4	32.4 216.8 0.3	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
756	RO0Y_100_037de	1.0 0.625 0.625	1.0 0.375 0.812	390	1.0 0.625 0.723	78.7 29.3 13.9	32.5 25.4	1.0 0.719 0.703	77.2 24.3 11.8	27.1 25.9 5.6	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
757	RO0Y_087_025de	0.875 0.625 0.625	0.875 0.25 0.75	390	0.875 0.625 0.69	72.3 19.5 9.3	21.6 25.4	0.9 0.678 0.666	72.1 19.5 9.2	21.6 25.2 0.2	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
758	RO0Y_075_012de	0.75 0.625 0.625	0.75 0.125 0.687	390	0.75 0.625 0.657	65.9 9.7 4.6	10.8 25.4	0.749 0.637 0.629	65.8 9.7 4.6	10.8 25.4 0.1	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
759	NW_062de	0.625 0.625 0.625	0.625 0.0 0.625	360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0	0.59 0.593 0.594	59.4 -0.2 -0.1	0.3 206.3 0.3	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
760	G50B_062_012de	0.5 0.625 0.625	0.625 0.125 0.562	210	0.5 0.611 0.625	57.5 -4.2 -3.2	5.3 216.9	0.524 0.583 0.594	57.4 -4.4 -3.2	5.5 215.9 0.2	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
761	G50B_062_025de	0.375 0.625 0.625	0.625 0.25 0.5	210	0.375 0.597 0.625	55.5 -8.5 -6.4	10.7 216.9	0.449 0.571 0.595	55.4 -9.0 -6.4	11.1 215.6 0.4	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
762	G50B_062_037de	0.25 0.625 0.625	0.625 0.375 0.437	210	0.25 0.583 0.625	53.5 -12.8 -9.6	16.0 216.9	0.371 0.559 0.595	53.4 -13.2 -9.5	16.3 215.8 0.3	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
763	G50B_062_050de	0.125 0.625 0.625	0.625 0.5 0.375	210	0.125 0.57 0.625	51.4 -17.1 -12.8	21.4 216.9	0.271 0.547 0.595	51.4 -17.7 -12.7	21.8 215.7 0.6	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
764	G50B_062_062de	0.0 0.625 0.625	0.625 0.625 0.312	210	0.0 0.556 0.625	49.4 -21.4 -16.1	26.8 216.9	0.126 0.534 0.596	49.4 -21.9 -15.9	27.1 215.9 0.5	215	0.0 0.89 1.0	79.0 -34.2 -25.7	42.8 216.9
765	RO0Y_100_050de	1.0 0.5 0.5	1.0 0.5 0.75	390	1.0 0.5 0.631	73.1 39.1 18.6	43.3 25.4	1.0 0.622 0.61	71.4 33.9 16.1	37.6 25.4 5.9	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
766	RO0Y_087_037de	0.875 0.5 0.5	0.875 0.375 0.687	390	0.875 0.5 0.598	66.8 29.3 13.9	32.5 25.4	0.908 0.586 0.574	66.6 29.3 13.8	32.4 25.2 0.1	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
767	RO0Y_075_025de	0.75 0.5 0.5	0.75 0.25 0.625	390	0.75 0.5 0.565	60.4 19.5 9.3	21.6 25.4	0.76 0.549 0.54	60.2 19.3 9.0	21.3 25.1 0.4	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
768	RO0Y_062_012de	0.625 0.5 0.5	0.625 0.125 0.562	390	0.625 0.5 0.532	54.0 9.7 4.6	10.8 25.4	0.616 0.512 0.506	54.1 9.4 4.4	10.4 25.3 0.3	375	1.0 0.0 0.263	50.9 78.3 37.3	86.7 25.4
769	NW_050de	0.5 0.5 0.5	0.5 0.0 0.5	360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0	0.466 0.47 0.471	47.7 -0.3 -0.1	0.4 205.6 0.4	360	1.0 1.0 1.0	95.4 0.0 0.0	

n	HIC*F _{de}	rgb_F _{de}	ict_F _{de}	hsi_F _{de}	rgb*F _{de}	LabCh*F _{de}	rgb ^b *F _{de}	LabCh* ^b F _{de}	DE*F _{de} hsi _{de}	rgb* ^b M _{de}	LabCh* ^b M _{de}
810	NW_100 _{de}	1.0 1.0 1.0	1.0 0.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0	1.0 1.0 1.0	95.4 0.0 0.0
811	B00R_100_012 _{de}	0.875 0.875 1.0	1.0 0.125 0.937	270	0.875 0.951 1.0	90.8 0.2 -7.0	7.0 271.7	0.918 0.947 1.0	90.7 0.0 -6.9	6.9 270.0	0.2 232
812	B00R_100_025 _{de}	0.75 0.75 1.0	1.0 0.25 0.875	270	0.75 0.902 1.0	86.3 0.4 -14.1	14.1 271.7	0.837 0.897 1.0	86.2 0.1 -13.8	13.8 270.5	0.4 232
813	B00R_100_037 _{de}	0.625 0.625 1.0	1.0 0.375 0.812	270	0.625 0.853 1.0	81.8 0.6 -21.2	21.2 271.7	0.752 0.846 1.0	81.7 0.3 -20.8	20.8 270.9	0.5 232
814	B00R_100_050 _{de}	0.5 0.5 1.0	1.0 0.5 0.75	270	0.5 0.804 1.0	77.3 0.8 -28.3	28.3 271.7	0.66 0.797 1.0	77.1 0.3 -27.9	27.9 270.8	0.6 232
815	B00R_100_062 _{de}	0.375 0.375 1.0	1.0 0.625 0.687	270	0.375 0.755 1.0	72.8 1.0 -35.3	35.3 271.7	0.564 0.748 1.0	72.6 0.7 -34.9	34.9 271.2	0.5 232
816	B00R_100_075 _{de}	0.25 0.25 1.0	1.0 0.75 0.625	270	0.25 0.707 1.0	68.2 1.2 -42.4	42.4 271.7	0.45 0.701 1.0	68.1 0.9 -42.1	42.1 271.2	0.5 232
817	B00R_100_087 _{de}	0.125 0.125 1.0	1.0 0.875 0.562	270	0.125 0.658 1.0	63.7 1.5 -49.5	49.5 271.7	0.304 0.654 1.0	63.5 1.1 -49.3	49.4 271.3	0.4 232
818	B00R_100_100 _{de}	0.0 0.0 1.0	1.0 1.0 0.5	270	0.0 0.609 1.0	59.2 1.7 -56.6	56.6 271.7	0.0 0.609 1.0	59.2 2.0 -56.3	56.3 272.1	0.4 232
819	Y00G_100_012 _{de}	1.0 1.0 0.875	1.0 0.125 0.937	90	1.0 0.982 0.875	93.9 -0.4 10.5	10.5 92.3	1.0 0.98 0.898	93.6 -1.7 10.1	10.3 99.7	1.4 82
820	NW_087 _{de}	0.875 0.875 0.875	0.875 0.0 0.875	360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0	0.858 0.86 0.86	83.3 0.0 0.0	0.1 212.6	0.1 360
821	B00R_087_012 _{de}	0.75 0.75 0.875	0.875 0.125 0.812	270	0.75 0.826 0.875	78.9 0.2 -7.0	7.0 271.7	0.78 0.809 0.862	78.8 0.1 -7.2	7.2 270.8	0.2 232
822	B00R_087_025 _{de}	0.625 0.625 0.875	0.875 0.25 0.75	270	0.625 0.777 0.875	74.4 0.4 -14.1	14.1 271.7	0.701 0.76 0.864	74.3 0.3 -14.3	14.3 271.2	0.2 232
823	B00R_087_037 _{de}	0.5 0.5 0.875	0.875 0.375 0.687	270	0.5 0.728 0.875	69.9 0.6 -21.2	21.2 271.7	0.616 0.711 0.864	69.7 0.5 -21.3	21.3 271.3	0.2 232
824	B00R_087_050 _{de}	0.375 0.375 0.875	0.875 0.5 0.625	270	0.375 0.679 0.875	65.4 0.8 -28.3	28.3 271.7	0.527 0.664 0.864	65.2 0.8 -28.4	28.4 271.6	0.2 232
825	B00R_087_062 _{de}	0.25 0.25 0.875	0.875 0.625 0.562	270	0.25 0.63 0.875	60.8 1.0 -35.3	35.3 271.7	0.424 0.617 0.864	60.7 1.0 -35.5	35.5 271.6	0.2 232
826	B00R_087_075 _{de}	0.125 0.125 0.875	0.875 0.75 0.5	270	0.125 0.582 0.875	56.3 1.2 -42.4	42.4 271.7	0.294 0.573 0.863	56.2 0.9 -42.5	42.5 271.2	0.4 232
827	B00R_087_087 _{de}	0.0 0.0 0.875	0.875 0.875 0.437	270	0.0 0.533 0.875	51.8 1.5 -49.5	49.5 271.7	0.033 0.53 0.862	51.8 0.9 -49.4	49.4 271.1	0.5 232
828	Y00G_100_025 _{de}	1.0 1.0 0.75	1.0 0.25 0.875	90	1.0 0.964 0.75	92.4 -0.8 21.1	21.1 92.3	1.0 0.961 0.797	91.9 -3.1 20.4	20.7 98.7	2.4 82
829	Y00G_087_012 _{de}	0.875 0.875 0.75	0.875 0.125 0.812	90	0.875 0.857 0.75	82.0 -0.4 10.5	10.5 92.3	0.873 0.841 0.761	81.9 -0.5 10.5	10.5 92.8	0.1 82
830	NW_075 _{de}	0.75 0.75 0.75	0.75 0.0 0.75	360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0	0.721 0.724 0.724	71.3 -0.1 0.0	0.2 207.8	0.2 360
831	B00R_075_012 _{de}	0.625 0.625 0.75	0.75 0.125 0.687	270	0.625 0.701 0.75	67.0 0.2 -7.0	7.0 271.7	0.646 0.675 0.726	66.8 0.0 -7.2	7.2 270.5	0.2 232
832	B00R_075_025 _{de}	0.5 0.5 0.75	0.75 0.25 0.625	270	0.5 0.652 0.75	62.5 0.4 -14.1	14.1 271.7	0.57 0.628 0.728	62.3 0.4 -14.3	14.3 271.6	0.2 232
833	B00R_075_037 _{de}	0.375 0.375 0.75	0.75 0.375 0.562	270	0.375 0.603 0.75	57.9 0.6 -21.2	21.2 271.7	0.487 0.582 0.728	57.9 0.4 -21.2	21.2 271.3	0.1 232
834	B00R_075_050 _{de}	0.25 0.25 0.75	0.75 0.5 0.5	270	0.25 0.554 0.75	53.4 0.8 -28.3	28.3 271.7	0.394 0.538 0.728	53.4 0.4 -28.1	28.1 270.8	0.4 232
835	B00R_075_062 _{de}	0.125 0.125 0.75	0.75 0.625 0.437	270	0.125 0.505 0.75	48.9 1.0 -35.3	35.3 271.7	0.282 0.494 0.727	48.9 0.4 -35.1	35.1 270.7	0.6 232
836	B00R_075_075 _{de}	0.0 0.0 0.75	0.75 0.75 0.375	270	0.0 0.457 0.75	44.4 1.2 -42.4	42.4 271.7	0.08 0.451 0.726	44.4 0.3 -42.3	42.3 270.5	0.9 232
837	Y00G_100_037 _{de}	1.0 1.0 0.625	1.0 0.375 0.812	90	1.0 0.946 0.625	91.0 -1.2 31.6	31.7 92.3	1.0 0.943 0.696	90.4 -4.1 30.9	31.2 97.6	3.0 82
838	Y00G_087_025 _{de}	0.875 0.875 0.625	0.875 0.25 0.75	90	0.875 0.839 0.625	80.5 -0.8 21.1	21.1 92.3	0.881 0.823 0.663	80.4 -1.0 21.2	21.2 92.8	0.2 82
839	Y00G_075_012 _{de}	0.75 0.75 0.625	0.75 0.125 0.687	90	0.75 0.732 0.625	70.0 -0.4 10.5	10.5 92.3	0.736 0.706 0.629	69.9 -0.5 10.5	10.5 93.0	0.2 82
840	NW_062 _{de}	0.625 0.625 0.625	0.625 0.0 0.625	360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0	0.59 0.593 0.594	59.4 -0.2 -0.1	0.3 206.3	0.3 360
841	B00R_062_012 _{de}	0.5 0.5 0.625	0.625 0.125 0.562	270	0.5 0.576 0.625	55.1 0.2 -7.0	7.0 271.7	0.52 0.548 0.595	55.0 0.0 -7.0	7.0 269.2	0.3 232
842	B00R_062_025 _{de}	0.375 0.375 0.625	0.625 0.25 0.5	270	0.375 0.527 0.625	50.5 0.4 -14.1	14.1 271.7	0.445 0.504 0.597	50.6 0.0 -14.0	14.0 270.1	0.4 232
843	B00R_062_037 _{de}	0.25 0.25 0.625	0.625 0.375 0.437	270	0.25 0.478 0.625	46.0 0.6 -21.2	21.2 271.7	0.359 0.459 0.597	46.0 0.0 -21.0	21.0 270.0	0.6 232
844	B00R_062_050 _{de}	0.125 0.125 0.625	0.625 0.5 0.375	270	0.125 0.429 0.625	41.5 0.8 -28.3	28.3 271.7	0.261 0.416 0.597	41.5 0.2 -28.1	28.1 270.4	0.6 232
845	B00R_062_062 _{de}	0.0 0.0 0.625	0.625 0.625 0.312	270	0.0 0.38 0.625	37.0 1.0 -35.3	35.3 271.7	0.123 0.374 0.596	37.0 0.7 -35.2	35.2 271.1	0.4 232
846	Y00G_100_050 _{de}	1.0 1.0 0.5	1.0 0.5 0.75	90	1.0 0.928 0.5	89.5 -1.7 42.2	42.2 92.3	1.0 0.925 0.594	88.9 -4.7 41.4	41.7 96.5	3.2 82
847	Y00G_087_037 _{de}	0.875 0.875 0.5	0.875 0.375 0.687	90	0.875 0.821 0.5	79.1 -1.2 31.6	31.7 92.3	0.885 0.804 0.566	78.9 -1.4 31.5	31.6 92.5	0.2 82
848	Y00G_075_025 _{de}	0.75 0.75 0.5	0.75 0.25 0.625	90	0.75 0.714 0.5	68.6 -0.8 21.1	21.1 92.3	0.744 0.688 0.536	68.4 -0.8 20.8	20.8 92.4	0.3 82
849	Y00G_062_012 _{de}	0.625 0.625 0.5	0.625 0.125 0.562	90	0.625 0.607 0.5	58.1 -0.4 10.5	10.5 92.3	0.604 0.577 0.505	58.0 -0.5 10.1	10.2 93.3	0.4 82
850	NW_050 _{de}	0.5 0.5 0.5	0.5 0.0 0.5	360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0	0.466 0.47 0.471	47.7 -0.3 -0.1	0.4 205.6	0.4 360
851	B00R_050_012 _{de}	0.375 0.375 0.5	0.5 0.125 0.437	270	0.375 0.451 0.5	43.1 0.2 -7.0	7.0 271.7	0.396 0.426 0.472	43.2 -0.2 -7.2	7.2 268.4	0.4 232
852	B00R_050_025 _{de}	0.25 0.25 0.5	0.5 0.25 0.375	270	0.249 0.402 0.5	38.6 0.4 -14.1	14.1 271.7	0.32 0.382 0.473	38.6 0.0 -14.4	14.4 269.8	0.5 232
853	B00R_050_037 _{de}	0.125 0.125 0.5	0.5 0.375 0.312	270	0.124 0.353 0.5	34.1 0.6 -21.2	21.2 271.7	0.232 0.34 0.473	34.1 0.0 -21.5	21.5 270.2	0.6 232
854	B00R_050_050 _{de}	0.0 0.0 0.5	0.5 0.5 0.25	270	0.0 0.304 0.5	29.6 0.8 -28.3	28.3 271.7	0.112 0.3 0.473	29.6 0.1 -28.5	28.5 270.3	0.7 232
855	Y00G_100_062 _{de}	1.0 1.0 0.375	1.0 0.625 0.687	90	1.0 0.91 0.375	88.1 -2.1 52.8	52.8 92.3	1.0 0.907 0.492	87.4 -4.9 51.7	52.0 95.4	3.0 82
856	Y00G_087_050 _{de}	0.875 0.875 0.375	0.875 0.5 0.625	90	0.875 0.803 0.375	77.6 -1.7 42.2	42.2 92.3	0.885 0.787 0.467	77.5 -1.7 42.0	42.0 92.3	0.2 82
857	Y00G_075_037 _{de}	0.75 0.75 0.375	0.75 0.375 0.562	90	0.75 0.696 0.375	67.1 -1.2 31.6	31.7 92.3	0.746 0.671 0.441	67.0 -1.3 31.4	31.4 92.5	0.2 82
858	Y00G_062_025 _{de}	0.625 0.625 0.375	0.625 0.25 0.5	90	0.625 0.589 0.375	56.7 -0.8 21.1	21.1 92.3	0.61 0.56 0.413	56.6 -1.1 20.8	20.9 93.1	0.4 82
859	Y00G_050_012 _{de}	0.5 0.5 0.375	0.5 0.125 0.437	90	0.5 0.482 0.375	46.2 -0.4 10.5	10.5 92.3	0.479 0.454 0.383	46.2 -0.6 10.4	10.5 93.7	0.2 82
860	NW_037 _{de}	0.375 0.375 0.375	0.375 0.0 0.375	360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0	0.345 0.35 0.35	35.7 -0.4 -0.2	0.5 205.6	0.5 360
861	B00R_037_012 _{de}	0.25 0.25 0.375	0.375 0.125 0.312	270	0.249 0.326 0.375	31.2 0.2 -7.0	7.0 271.7	0.276 0.308 0.352	31.1 -0.4 -7.3	7.3 266.8	0.6 232
862	B00R_037_025 _{de}	0.125 0.125 0.375	0.375 0.25 0.25	270	0.124 0.277 0.375	26.7 0.4 -14.1	14.1 271.7	0.199 0.267 0.353	26.6 -0.3 -14.5	14.5 268.5	0.9 232
863	B00R_037_037 _{de}	0.0 0.0 0.375	0.375 0.375 0.187	270	0.0 0.228 0.375	22.2 0.6 -21.2	21.2 271.7	0.102 0.227 0.352	22.0 0.0 -21.6	21.6 269.8	0.8 232
864	Y00G_100_075 _{de}	1.0 1.0 0.25	1.0 0.75 0.625	90	1.0 0.892 0.25	86.6 -2.5 63.3	63.4 92.3	1.0 0.875 0.375	85.1 -3.0 62.1	62.2 92.7	1.9 82
865	Y00G_087_062 _{de}	0.875 0.875 0.25	0.875 0.625 0.562	90	0.875 0.785 0.25	76.1 -2.1 52.8	52.8 92.3	0.881 0.77 0.362	76.0 -2.1 52.6	52.7 92.3	0.1 82
866	Y00G_075_050 _{de}	0.75 0.75 0.25	0.75 0.5 0.5	90	0.75 0.678 0.25	65.7 -1.7 42.2	42.2 92.3	0.745 0.655 0.341	65.6 -1.7 42.1	42.2 92.3	0.1 82
867	Y00G_062_037 _{de}	0.625 0.625 0.25	0.625 0.375 0.437	90	0.625 0.571 0.25	55.2 -1.2 31.6	31.7 92.3	0.61 0.545 0.318	55.2 -1.7 31.7	31.8 93.1	0.4 82
868	Y00G_050_025 _{de}	0.5 0.5 0.25	0.5 0.25 0.375	90	0.5 0.464 0.249	44.7 -0.8 21.1	21.1 92.3	0.483 0.437 0.294	44.8 -1.1 21.2	21.2 93.2	0.3 82
869	Y00G_037_012 _{de}	0.375 0.375 0.25	0.375 0.125 0.312	90	0.375 0.357 0.249	34.3 -0.4 10.5	10.5 92.3	0.356 0.334 0.267	34.2 -0.8 10.4	10.4 94.5	0.4 82
870	NW_025 _{de}	0.25 0.25 0.25	0.25 0.0 0.25	360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0	0.232 0.236 0.237	23.7 -0.4 -0.2	0.4 207.2	

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsi_Mde	rgb*Mde	LabCh*Mde			
891	NW_100de	1.0 1.0 1.0	1.0 0.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0			
892	B50R_100_012de	1.0 0.875 1.0	1.0 0.125 0.937	330	1.0 0.875 0.998	90.6 11.7 -7.1	13.7 328.6	1.0 0.914 1.0	90.3 10.6 -7.4	13.0 324.9 1.1	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
893	B50R_100_025de	1.0 0.75 1.0	1.0 0.25 0.875	330	1.0 0.75 0.997	85.8 23.5 -14.3	27.5 328.6	1.0 0.827 1.0	85.2 21.7 -15.0	26.4 325.3 1.9	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
894	B50R_100_037de	1.0 0.625 1.0	1.0 0.375 0.625	330	1.0 0.625 0.996	81.0 35.3 -21.5	41.3 328.6	1.0 0.739 1.0	80.3 33.1 -22.4	40.0 325.8 2.4	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
895	B50R_100_050de	1.0 0.5 1.0	1.0 0.5 0.5	330	1.0 0.5 0.995	76.3 47.0 -28.7	55.1 328.6	1.0 0.645 1.0	75.4 45.0 -29.9	54.1 326.3 2.5	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
896	B50R_100_062de	1.0 0.375 1.0	1.0 0.625 0.687	330	1.0 0.375 0.994	71.5 58.8 -35.9	68.9 328.6	1.0 0.547 0.999	70.6 57.1 -37.2	68.2 326.8 2.3	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
897	B50R_100_075de	1.0 0.25 1.0	1.0 0.75 0.625	330	1.0 0.25 0.993	66.7 70.6 -43.0	82.7 328.6	1.0 0.436 0.997	65.9 69.4 -44.3	82.4 327.4 1.8	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
898	B50R_100_087de	1.0 0.125 1.0	1.0 0.875 0.562	330	1.0 0.125 0.992	61.9 82.3 -50.2	96.5 328.6	1.0 0.296 0.994	61.3 82.1 -51.2	96.7 328.0 1.1	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
899	B50R_100_100de	1.0 0.0 1.0	1.0 1.0 0.5	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6	1.0 0.0 0.991	57.1 94.0 -57.4	110.2 328.5 0.0	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
900	G00B_100_012de	0.875 1.0 0.875	1.0 0.125 0.937	150	0.875 1.0 0.963	94.1 -8.0 2.5	8.4 162.2	0.922 1.0 0.963	93.8 -7.7 2.1	8.0 164.2 0.5	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
901	NW_087de	0.875 0.875 0.875	0.875 0.0 0.875	360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0 0.0	0.858 0.86 8.6	83.3 0.0 0.0	0.1 212.6 0.1	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
902	B50R_087_012de	0.875 0.75 0.875	0.875 0.125 0.812	330	0.875 0.75 0.873	78.7 11.7 -7.1	13.7 328.6	0.872 0.777 0.861	78.5 11.7 -7.2	13.8 328.2 0.1	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
903	B50R_087_025de	0.875 0.625 0.875	0.875 0.25 0.75	330	0.875 0.625 0.872	73.9 23.5 -14.3	27.5 328.6	0.88 0.692 0.861	73.7 23.6 -14.5	27.7 328.3 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
904	B50R_087_037de	0.875 0.5 0.875	0.875 0.375 0.687	330	0.875 0.5 0.871	69.1 35.3 -21.5	41.3 328.6	0.884 0.604 0.861	69.0 35.4 -21.6	41.5 328.5 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
905	B50R_087_050de	0.875 0.375 0.875	0.875 0.5 0.625	330	0.875 0.375 0.87	64.3 47.0 -28.7	55.1 328.6	0.884 0.515 0.86	64.3 46.8 -28.6	54.9 328.5 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
906	B50R_087_062de	0.875 0.25 0.875	0.875 0.625 0.562	330	0.875 0.25 0.869	59.5 58.8 -35.9	68.9 328.6	0.879 0.411 0.859	59.5 58.8 -35.9	68.9 328.5 0.1	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
907	B50R_087_075de	0.875 0.125 0.875	0.875 0.75 0.5	330	0.875 0.125 0.868	54.8 70.6 -43.0	82.7 328.6	0.872 0.287 0.856	54.6 70.8 -43.3	83.0 328.5 0.3	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
908	B50R_087_087de	0.875 0.0 0.875	0.875 0.875 0.437	330	0.875 0.0 0.867	50.0 82.3 -50.2	96.5 328.6	0.861 0.068 0.853	49.8 82.7 -50.5	96.9 328.5 0.4	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
909	G00B_100_025de	0.75 1.0 0.75	1.0 0.25 0.875	150	0.75 1.0 0.926	92.8 -16.1 5.1	16.9 162.2	0.844 1.0 0.926	92.2 -15.5 4.5	16.2 163.7 0.9	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
910	G00B_087_012de	0.75 0.875 0.75	0.875 0.125 0.812	150	0.75 0.875 0.838	82.2 -8.0 2.5	8.4 162.2	0.784 0.863 0.824	82.1 -8.2 2.5	8.6 162.7 0.2	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
911	NW_075de	0.75 0.75 0.75	0.75 0.0 0.75	360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0 0.0	0.721 0.724 0.724	71.3 -0.1 0.0	0.2 207.8 0.2	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
912	B50R_075_012de	0.75 0.625 0.75	0.75 0.125 0.687	330	0.75 0.625 0.748	66.7 11.7 -7.1	13.7 328.6	0.734 0.644 0.725	66.5 11.6 -7.3	13.7 328.0 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
913	B50R_075_025de	0.75 0.5 0.75	0.75 0.25 0.625	330	0.75 0.5 0.747	62.0 23.5 -14.3	27.5 328.6	0.741 0.562 0.728	61.8 23.3 -14.4	27.4 328.2 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
914	B50R_075_037de	0.75 0.375 0.75	0.75 0.375 0.562	330	0.75 0.375 0.746	57.2 35.3 -21.5	41.3 328.6	0.744 0.478 0.725	57.1 34.9 -21.4	41.0 328.4 0.3	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
915	B50R_075_050de	0.75 0.25 0.75	0.75 0.5 0.5	330	0.75 0.25 0.745	52.4 47.0 -28.7	55.1 328.6	0.743 0.385 0.724	52.4 46.7 -28.6	54.8 328.4 0.3	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
916	B50R_075_062de	0.75 0.125 0.75	0.75 0.625 0.437	330	0.75 0.125 0.744	47.6 58.8 -35.9	68.9 328.6	0.736 0.274 0.727	47.4 58.8 -36.0	69.0 328.5 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
917	B50R_075_075de	0.75 0.0 0.75	0.75 0.75 0.375	330	0.75 0.0 0.743	42.8 70.6 -43.0	82.7 328.6	0.727 0.108 0.719	42.6 70.7 -43.3	82.9 328.5 0.3	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
918	G00B_100_037de	0.625 1.0 0.625	1.0 0.375 0.812	150	0.625 1.0 0.889	91.5 -24.2 7.7	25.4 162.2	0.764 1.0 0.874	90.9 -24.0 8.8	25.6 159.8 1.2	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
919	G00B_087_025de	0.625 0.875 0.625	0.875 0.25 0.75	150	0.625 0.875 0.801	80.9 -16.1 5.1	16.9 162.2	0.706 0.865 0.788	80.7 -16.4 5.0	17.1 162.8 0.3	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
920	G00B_075_012de	0.625 0.75 0.625	0.75 0.125 0.687	150	0.625 0.75 0.713	70.2 -8.0 2.5	8.4 162.2	0.65 0.728 0.689	70.1 -8.3 2.5	8.7 162.8 0.3	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
921	NW_062de	0.625 0.625 0.625	0.625 0.0 0.625	360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0 0.0	0.59 0.593 0.594	59.4 -0.2 -0.1	0.3 206.3 0.3	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
922	B50R_062_012de	0.625 0.5 0.625	0.625 0.125 0.562	330	0.625 0.5 0.623	54.8 11.7 -7.1	13.7 328.6	0.602 0.518 0.595	54.8 11.2 -7.1	13.3 327.7 0.5	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
923	B50R_062_025de	0.625 0.375 0.625	0.625 0.25 0.5	330	0.625 0.375 0.62	50.0 23.5 -14.3	27.5 328.6	0.608 0.438 0.595	49.9 23.1 -14.4	27.2 328.0 0.4	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
924	B50R_062_037de	0.625 0.25 0.625	0.625 0.375 0.437	330	0.625 0.25 0.621	45.2 35.3 -21.5	41.3 328.6	0.609 0.351 0.595	45.1 35.1 -21.7	41.2 328.2 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
925	B50R_062_050de	0.625 0.125 0.625	0.625 0.5 0.375	330	0.625 0.125 0.62	40.5 47.0 -28.7	55.1 328.6	0.605 0.256 0.593	40.4 46.8 -28.8	55.0 328.3 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
926	B50R_062_062de	0.625 0.0 0.625	0.625 0.625 0.312	330	0.625 0.0 0.619	35.7 58.8 -35.9	68.9 328.6	0.597 0.124 0.591	35.6 58.6 -36.0	68.8 328.4 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
927	G00B_100_050de	0.5 1.0 0.5	1.0 0.5 0.75	150	0.5 1.0 0.853	90.2 -32.3 10.3	33.9 162.2	0.673 1.0 0.853	89.9 -31.6 9.5	33.0 163.2 1.2	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
928	G00B_087_037de	0.5 0.875 0.5	0.875 0.375 0.687	150	0.5 0.875 0.764	79.6 -24.2 7.7	25.4 162.2	0.627 0.867 0.752	79.5 -24.3 7.7	25.6 162.2 0.1	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
929	G00B_075_025de	0.5 0.75 0.5	0.75 0.25 0.625	150	0.5 0.75 0.766	68.9 -16.1 5.1	16.9 162.2	0.575 0.729 0.655	68.8 -16.3 5.0	17.1 162.7 0.2	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
930	G00B_062_012de	0.5 0.625 0.5	0.625 0.125 0.562	150	0.5 0.625 0.588	58.3 -8.0 2.5	8.4 162.2	0.523 0.597 0.561	58.2 -8.1 2.4	8.5 163.5 0.2	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
931	NW_050de	0.5 0.5 0.5	0.5 0.0 0.5	360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0 0.0	0.466 0.47 0.471	47.7 -0.3 -0.1	0.4 205.6 0.4	360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0
932	B50R_050_012de	0.5 0.375 0.5	0.5 0.125 0.437	330	0.5 0.375 0.498	42.9 11.7 -7.1	13.7 328.6	0.478 0.396 0.472	42.9 11.5 -7.3	13.7 327.3 0.2	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
933	B50R_050_025de	0.5 0.25 0.5	0.5 0.25 0.375	330	0.5 0.249 0.497	38.1 23.5 -14.3	27.5 328.6	0.482 0.316 0.472	38.0 23.6 -14.8	27.9 327.9 0.4	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
934	B50R_050_037de	0.5 0.125 0.5	0.5 0.375 0.312	330	0.5 0.124 0.496	33.3 35.3 -21.5	41.3 328.6	0.481 0.229 0.471	33.2 35.6 -22.0	41.9 328.2 0.6	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
935	B50R_050_050de	0.5 0.0 0.5	0.5 0.5 0.25	330	0.5 0.0 0.495	28.5 47.0 -28.7	55.1 328.6	0.475 0.121 0.469	28.5 47.2 -29.1	55.4 328.3 0.4	330	1.0 0.0 0.991	57.1 94.1 -57.4	110.3 328.6
936	G00B_100_062de	0.375 1.0 0.375	1.0 0.625 0.687	150	0.375 1.0 0.816	88.9 -40.4 12.9	42.4 162.2	0.576 1.0 0.816	88.4 -39.8 12.1	41.6 162.9 1.1	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
937	G00B_087_050de	0.375 0.875 0.375	0.875 0.5 0.625	150	0.375 0.875 0.728	78.3 -32.3 10.3	33.9 162.2	0.539 0.867 0.716	78.2 -32.5 10.4	34.1 162.1 0.2	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
938	G00B_075_037de	0.375 0.75 0.375	0.75 0.375 0.562	150	0.375 0.75 0.639	67.7 -24.2 7.7	25.4 162.2	0.499 0.731 0.62	67.6 -24.1 7.8	25.4 161.9 0.1	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
939	G00B_062_025de	0.375 0.625 0.375	0.625 0.25 0.5	150	0.375 0.625 0.551	57.0 -16.1 5.1	16.9 162.2	0.449 0.599 0.529	56.9 -16.2 4.8	16.9 163.4 0.3	193	0.0 1.0 0.706	85.1 -64.6 20.7	67.9 162.2
940	G00B_050_012de	0.375 0.5 0.375	0.5											

see similar files: <http://130.149.60.45/~farbmetrik/PE72/PE72L0FP.PDF> / .PS
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

n	HIC*Fde	rgb_Fde	ict_Fde	hsi_Fde	rgb*Fde	LabCh*Fde	rgb*Fde	LabCh*Fde	DE**Fde hsiMde	rgb*Mde	LabCh*Mde
972	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
973	NW_012de	0.125 0.125 0.125	0.125 0.125 0.125	0.125 360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0 0.0	0.129 0.132 0.132	198.6 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
974	NW_025de	0.25 0.25 0.25	0.25 0.25 0.25	0.25 360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0 0.0	0.232 0.236 0.237	207.2 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
975	NW_037de	0.375 0.375 0.375	0.375 0.375 0.375	0.375 360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0 0.0	0.345 0.35 0.35	205.6 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
976	NW_050de	0.5 0.5 0.5	0.5 0.5 0.5	0.5 360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0 0.0	0.466 0.47 0.471	205.6 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
977	NW_062de	0.625 0.625 0.625	0.625 0.625 0.625	0.625 360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0 0.0	0.59 0.593 0.594	206.3 0.3 360	1.0 1.0 1.0	95.4 0.0 0.0
978	NW_075de	0.75 0.75 0.75	0.75 0.75 0.75	0.75 360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0 0.0	0.721 0.724 0.724	207.8 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
979	NW_087de	0.875 0.875 0.875	0.875 0.875 0.875	0.875 360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0 0.0	0.858 0.86 0.86	212.6 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
980	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
981	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
982	NW_012de	0.125 0.125 0.125	0.125 0.125 0.125	0.125 360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0 0.0	0.129 0.132 0.132	198.6 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
983	NW_025de	0.25 0.25 0.25	0.25 0.25 0.25	0.25 360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0 0.0	0.232 0.236 0.237	207.2 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
984	NW_037de	0.375 0.375 0.375	0.375 0.375 0.375	0.375 360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0 0.0	0.345 0.35 0.35	205.6 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
985	NW_050de	0.5 0.5 0.5	0.5 0.5 0.5	0.5 360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0 0.0	0.466 0.47 0.471	205.6 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
986	NW_062de	0.625 0.625 0.625	0.625 0.625 0.625	0.625 360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0 0.0	0.59 0.593 0.594	206.3 0.3 360	1.0 1.0 1.0	95.4 0.0 0.0
987	NW_075de	0.75 0.75 0.75	0.75 0.75 0.75	0.75 360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0 0.0	0.721 0.724 0.724	207.8 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
988	NW_087de	0.875 0.875 0.875	0.875 0.875 0.875	0.875 360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0 0.0	0.858 0.86 0.86	212.6 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
989	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
990	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
991	NW_012de	0.125 0.125 0.125	0.125 0.125 0.125	0.125 360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0 0.0	0.129 0.132 0.132	198.6 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
992	NW_025de	0.25 0.25 0.25	0.25 0.25 0.25	0.25 360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0 0.0	0.232 0.236 0.237	207.2 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
993	NW_037de	0.375 0.375 0.375	0.375 0.375 0.375	0.375 360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0 0.0	0.345 0.35 0.35	205.6 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
994	NW_050de	0.5 0.5 0.5	0.5 0.5 0.5	0.5 360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0 0.0	0.466 0.47 0.471	205.6 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
995	NW_062de	0.625 0.625 0.625	0.625 0.625 0.625	0.625 360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0 0.0	0.59 0.593 0.594	206.3 0.3 360	1.0 1.0 1.0	95.4 0.0 0.0
996	NW_075de	0.75 0.75 0.75	0.75 0.75 0.75	0.75 360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0 0.0	0.721 0.724 0.724	207.8 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
997	NW_087de	0.875 0.875 0.875	0.875 0.875 0.875	0.875 360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0 0.0	0.858 0.86 0.86	212.6 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
998	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
999	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
1000	NW_012de	0.125 0.125 0.125	0.125 0.125 0.125	0.125 360	0.125 0.125 0.125	11.9 0.0 0.0	0.0 0.0 0.0	0.129 0.132 0.132	198.6 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
1001	NW_025de	0.25 0.25 0.25	0.25 0.25 0.25	0.25 360	0.25 0.25 0.25	23.8 0.0 0.0	0.0 0.0 0.0	0.232 0.236 0.237	207.2 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
1002	NW_037de	0.375 0.375 0.375	0.375 0.375 0.375	0.375 360	0.375 0.375 0.375	35.7 0.0 0.0	0.0 0.0 0.0	0.345 0.35 0.35	205.6 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
1003	NW_050de	0.5 0.5 0.5	0.5 0.5 0.5	0.5 360	0.5 0.5 0.5	47.7 0.0 0.0	0.0 0.0 0.0	0.466 0.47 0.471	205.6 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
1004	NW_062de	0.625 0.625 0.625	0.625 0.625 0.625	0.625 360	0.625 0.625 0.625	59.6 0.0 0.0	0.0 0.0 0.0	0.59 0.593 0.594	206.3 0.3 360	1.0 1.0 1.0	95.4 0.0 0.0
1005	NW_075de	0.75 0.75 0.75	0.75 0.75 0.75	0.75 360	0.75 0.75 0.75	71.5 0.0 0.0	0.0 0.0 0.0	0.721 0.724 0.724	207.8 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
1006	NW_087de	0.875 0.875 0.875	0.875 0.875 0.875	0.875 360	0.875 0.875 0.875	83.4 0.0 0.0	0.0 0.0 0.0	0.858 0.86 0.86	212.6 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
1007	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
1008	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
1009	NW_006de	0.066 0.066 0.066	0.066 0.066 0.066	0.066 360	0.066 0.066 0.066	6.2 0.0 0.0	0.0 0.0 0.0	0.068 0.07 0.07	215.3 1.5 360	1.0 1.0 1.0	95.4 0.0 0.0
1010	NW_013de	0.133 0.133 0.133	0.133 0.133 0.133	0.133 360	0.133 0.133 0.133	12.6 0.0 0.0	0.0 0.0 0.0	0.134 0.138 0.138	198.8 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
1011	NW_020de	0.2 0.2 0.2	0.2 0.2 0.2	0.2 360	0.2 0.2 0.2	19.0 0.0 0.0	0.0 0.0 0.0	0.181 0.193 0.193	202.3 1.3 360	1.0 1.0 1.0	95.4 0.0 0.0
1012	NW_026de	0.266 0.266 0.266	0.266 0.266 0.266	0.266 360	0.266 0.266 0.266	25.3 0.0 0.0	0.0 0.0 0.0	0.25 0.251 0.251	198.2 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
1013	NW_033de	0.333 0.333 0.333	0.333 0.333 0.333	0.333 360	0.333 0.333 0.333	31.7 0.0 0.0	0.0 0.0 0.0	0.303 0.311 0.311	203.1 0.8 360	1.0 1.0 1.0	95.4 0.0 0.0
1014	NW_040de	0.4 0.4 0.4	0.4 0.4 0.4	0.4 360	0.4 0.4 0.4	38.1 0.0 0.0	0.0 0.0 0.0	0.374 0.374 0.374	217.7 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
1015	NW_046de	0.466 0.466 0.466	0.466 0.466 0.466	0.466 360	0.466 0.466 0.466	44.4 0.0 0.0	0.0 0.0 0.0	0.431 0.437 0.437	203.8 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
1016	NW_053de	0.533 0.533 0.533	0.533 0.533 0.533	0.533 360	0.533 0.533 0.533	50.8 0.0 0.0	0.0 0.0 0.0	0.503 0.504 0.504	222.6 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
1017	NW_060de	0.6 0.6 0.6	0.6 0.6 0.6	0.6 360	0.6 0.6 0.6	57.2 0.0 0.0	0.0 0.0 0.0	0.564 0.569 0.569	204.7 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
1018	NW_066de	0.666 0.666 0.666	0.666 0.666 0.666	0.666 360	0.666 0.666 0.666	63.5 0.0 0.0	0.0 0.0 0.0	0.634 0.635 0.635	207.4 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
1019	NW_073de	0.734 0.734 0.734	0.734 0.734 0.734	0.734 360	0.734 0.734 0.734	70.0 0.0 0.0	0.0 0.0 0.0	0.703 0.706 0.707	205.7 0.4 360	1.0 1.0 1.0	95.4 0.0 0.0
1020	NW_080de	0.8 0.8 0.8	0.8 0.8 0.8	0.8 360	0.8 0.8 0.8	76.3 0.0 0.0	0.0 0.0 0.0	0.775 0.778 0.778	206.4 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
1021	NW_086de	0.866 0.866 0.866	0.866 0.866 0.866	0.866 360	0.866 0.866 0.866	82.6 0.0 0.0	0.0 0.0 0.0	0.847 0.85 0.85	209.2 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
1022	NW_093de	0.933 0.933 0.933	0.933 0.933 0.933	0.933 360	0.933 0.933 0.933	89.0 0.0 0.0	0.0 0.0 0.0	0.921 0.924 0.924	207.0 0.2 360	1.0 1.0 1.0	95.4 0.0 0.0
1023	NW_100de	1.0 1.0 1.0	1.0 1.0 1.0	1.0 360	1.0 1.0 1.0	95.4 0.0 0.0	0.0 0.0 0.0	1.0 1.0 1.0	325.2 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
1024	NW_000de	0.0 0.0 0.0	0.0 0.0 0.0	0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 360	1.0 1.0 1.0	95.4 0.0 0.0
1025	NW_006de	0.066 0.066 0.066	0.066 0.066 0.066	0.066 360	0.066 0.066 0.066	6.2 0.0 0.0	0.0 0.0 0.0	0.068 0.07 0.07	215.3 1.5 360	1.0 1.0 1.0	95.4 0.0 0.0
1026	NW_013de	0.133 0.133 0.133	0.133 0.133 0.133	0.133 360	0.133 0.133 0.133	12.6 0.0 0.0	0.0 0.0 0.0	0.134 0.138 0.138	198.8 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0
1027	NW_020de	0.2 0.2 0.2	0.2 0.2 0.2	0.2 360	0.2 0.2 0.2	19.0 0.0 0.0	0.0 0.0 0.0	0.181 0.193 0.193	202.3 1.3 360	1.0 1.0 1.0	95.4 0.0 0.0
1028	NW_026de	0.266 0.266 0.266	0.266 0.266 0.266	0.266 360	0.266 0.266 0.266	25.3 0.0 0.0	0.0 0.0 0.0	0.25 0.251 0.251	198.2 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
1029	NW_033de	0.333 0.333 0.333	0.333 0.333 0.333	0.333 360	0.333 0.333 0.333	31.7 0.0 0.0	0.0 0.0 0.0	0.303 0.311 0.311	203.1 0.8 360	1.0 1.0 1.0	95.4 0.0 0.0
1030	NW_040de	0.4 0.4 0.4	0.4 0.4 0.4	0.4 360	0.4 0.4 0.4	38.1 0.0 0.0	0.0 0.0 0.0	0.374 0.374 0.374	217.7 0.1 360	1.0 1.0 1.0	95.4 0.0 0.0
1031	NW_046de	0.466 0.466 0.466	0.466 0.466 0.466	0.466 360	0.466 0.466 0.466	44.4 0.0 0.0	0.0 0.0 0.0	0.431 0.437 0.437	203.8 0.5 360	1.0 1.0 1.0	95.4 0.0 0.0



TUB material: code=rha4ta

