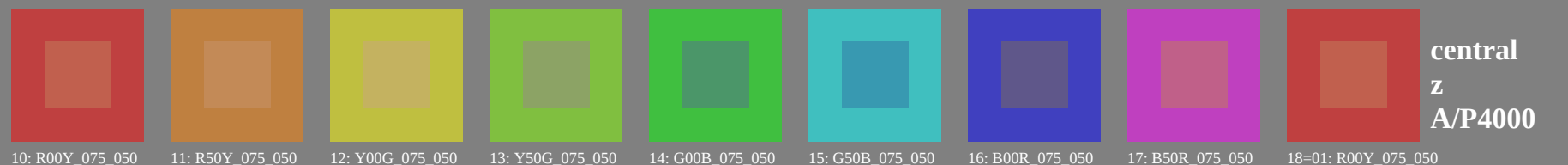
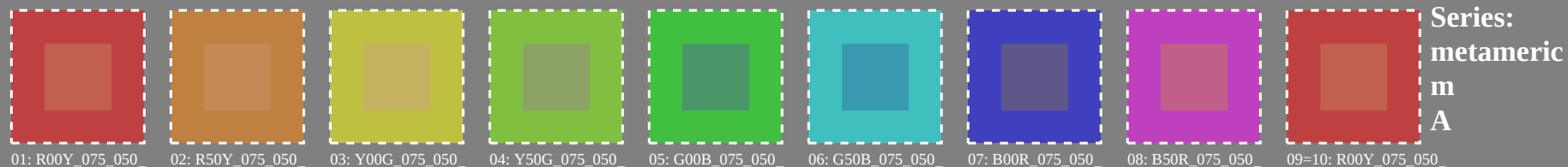


see similar files: <http://130.149.60.45/~farbmetrik/PE31/PE31.HTM>
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE31/PE31L0NA.TXT /.PS
 application for measurement of display output

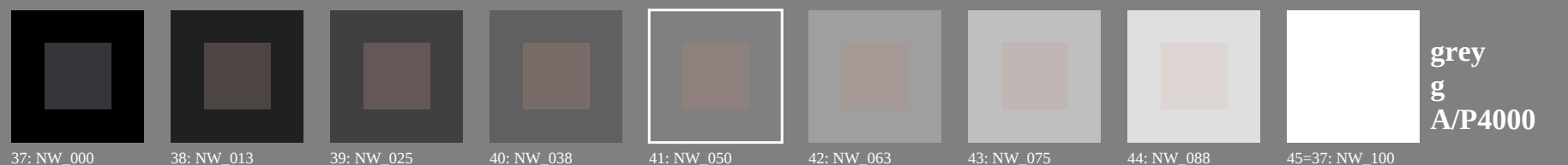
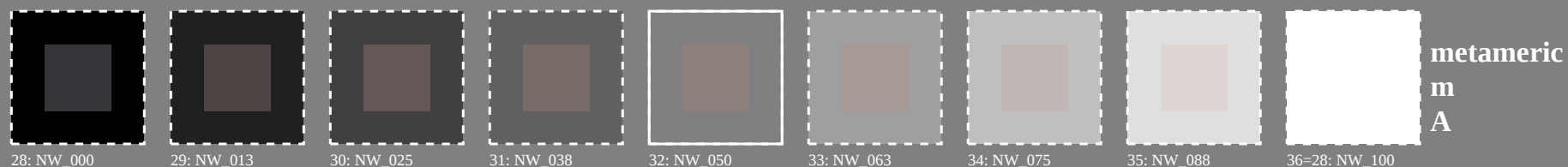
TUB material: code=rha4ta

Test chart 3 for color rendering: metameric colours A and P4000; standard display (sRGB)



metameric colours only possible for offset print and colour printers
 with at least four basic colours, either *CMYK* or *CMY0*

metameric m P4000



metameric colours only possible for offset print and colour printers
 with at least four basic colours, either *CMYK* or *CMY0*

metameric m P4000

1-003030-L0 PE310-7N

TUB-test chart PE31; colour rendering
 54 colours; metameric for A&P4000; image technology

input: *rgb/cmyk* -> *rgb/cmyk*
 output: no change

see similar files: <http://130.149.60.45/~farbmetrik/PE31/PE31.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE31/PE31L0NA.TXT /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

Test chart 3 for color rendering: metameric colours A and P4000; standard display (sRGB); $rgb \rightarrow rgb^*_d$



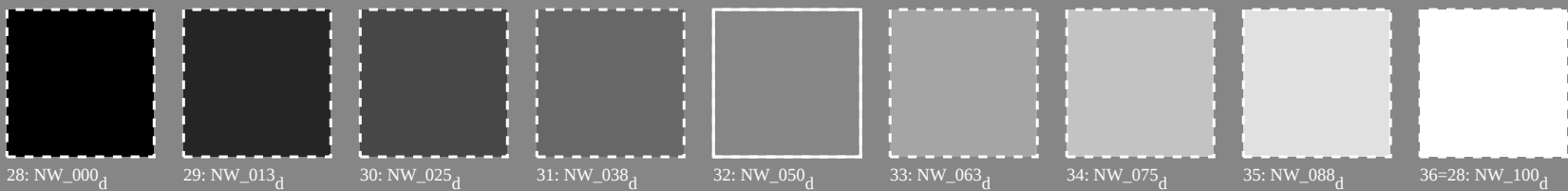
Series:
metameric
m
A



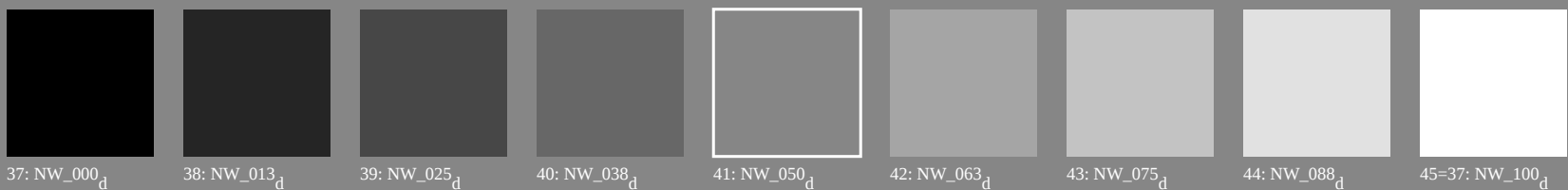
central
z
A/P4000

metameric colours only possible for offset print and colour printers
with at least four basic colours, either *CMYK* or *CMY0*

metameric
m
P4000



metameric
m
A
 $\Delta E^*N=0.0, 0.0, 0.0$
 $Lab^*W=95.4, 0.0, 0.0$

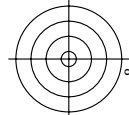


grey
g
A/P4000

metameric colours only possible for offset print and colour printers
with at least four basic colours, either *CMYK* or *CMY0*

metameric
m
P4000





TUB material: code=rha4ta

input: *rgb/cmyk* → *rgb*
output: transfer to *rgb*

TUB-test chart PE31; colour rendering colors and differences, ΔE^* , 3D=0, de=0, sRGB

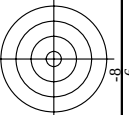
Page 4/18-F

TUB-test chart PE31; colour rendering colors and differences, ΔE^* , 3D=0, de-

1 003330 TO

see similar files: <http://130.149.60.45/~farbmatrik/PE31/PE31.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

[illegible]



TUB material: code=rha4ta

input: $rgb/cmyk \rightarrow rgb_d$
output: transfer to rgb_d

n-j	HIC ₄ *rd	rgp ₄ *rd	lca ₄ *rd	hbc ₄ *rd	rgp ₄ *rd	lcaCh ₄ *rd	lcaCh ₄ *rd	rgp ₄ *rd	lcaCh ₄ *rd	DE ₄ *rd	hbc ₄ *rd	rgp ₄ *rd	lcaCh ₄ *rd	rgp ₄ *rd	lcaCh ₄ *rd
0	NW0R_012_012d	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
1	BW0R_025_025d	0.0	0.125	0.062	270	0.0	0.125	0.0	0.125	0.0	0.0	0.0	0.0	0.0	0.0
2	BW0R_037_037d	0.0	0.25	0.187	270	0.0	0.25	0.0	0.25	0.0	0.0	0.0	0.0	0.0	0.0
3	BW0R_050_050d	0.0	0.375	0.187	270	0.0	0.375	0.0	0.375	0.0	0.0	0.0	0.0	0.0	0.0
4	BW0R_062_062d	0.0	0.5	0.187	270	0.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
5	BW0R_075_075d	0.0	0.625	0.187	270	0.0	0.625	0.0	0.625	0.0	0.0	0.0	0.0	0.0	0.0
6	BW0R_087_087d	0.0	0.75	0.187	270	0.0	0.75	0.0	0.75	0.0	0.0	0.0	0.0	0.0	0.0
7	BW0R_100_100d	0.0	0.875	0.187	270	0.0	0.875	0.0	0.875	0.0	0.0	0.0	0.0	0.0	0.0
8	BW0R_113_113d	0.0	1.0	0.187	270	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
9	G50B_012_012d	0.0125	0.125	0.062	210	0.0125	0.125	0.0125	0.125	0.0125	0.0125	0.0125	0.125	0.0125	0.0125
10	G50B_025_025d	0.0125	0.25	0.187	240	0.0125	0.25	0.0125	0.25	0.0125	0.0125	0.0125	0.25	0.0125	0.0125
11	G84B_037_037d	0.0125	0.375	0.187	251	0.0118	0.375	0.0118	0.375	0.0118	0.375	0.0118	0.375	0.0118	0.0118
12	G88B_050_050d	0.0125	0.5	0.187	256	0.0114	0.5	0.0114	0.5	0.0114	0.5	0.0114	0.5	0.0114	0.0114
13	G90B_062_062d	0.0125	0.625	0.187	259	0.0116	0.625	0.0116	0.625	0.0116	0.625	0.0116	0.625	0.0116	0.0116
14	G92B_075_075d	0.0125	0.75	0.187	261	0.0118	0.75	0.0118	0.75	0.0118	0.75	0.0118	0.75	0.0118	0.0118
15	G93B_087_087d	0.0125	0.875	0.187	262	0.0116	0.875	0.0116	0.875	0.0116	0.875	0.0116	0.875	0.0116	0.0116
16	G94B_100_100d	0.0125	1.0	0.187	263	0.0116	1.0	0.0116	1.0	0.0116	1.0	0.0116	1.0	0.0116	0.0116
17	G94B_100_100d	0.0125	1.0	0.187	263	0.0116	1.0	0.0116	1.0	0.0116	1.0	0.0116	1.0	0.0116	0.0116
18	G94B_100_100d	0.0125	1.0	0.187	263	0.0116	1.0	0.0116	1.0	0.0116	1.0	0.0116	1.0	0.0116	0.0116
19	G25B_025_025d	0.025	0.125	0.125	180	0.025	0.125	0.025	0.125	0.025	0.025	0.025	0.125	0.025	0.025
20	G25B_025_025d	0.025	0.25	0.125	180	0.025	0.25	0.025	0.25	0.025	0.025	0.025	0.25	0.025	0.025
21	G55B_037_037d	0.025	0.375	0.187	229	0.0256	0.375	0.0256	0.375	0.0256	0.375	0.0256	0.375	0.0256	0.0256
22	G55B_050_050d	0.025	0.5	0.187	240	0.025	0.5	0.025	0.5	0.025	0.025	0.025	0.5	0.025	0.025
23	G84B_062_062d	0.025	0.625	0.187	247	0.0239	0.625	0.0239	0.625	0.0239	0.625	0.0239	0.625	0.0239	0.0239
24	G84B_075_075d	0.025	0.75	0.187	254	0.0237	0.75	0.0237	0.75	0.0237	0.75	0.0237	0.75	0.0237	0.0237
25	G86B_087_087d	0.025	0.875	0.187	254	0.0233	0.875	0.0233	0.875	0.0233	0.875	0.0233	0.875	0.0233	0.0233
26	G88B_100_100d	0.025	1.0	0.187	256	0.0233	1.0	0.0233	1.0	0.0233	1.0	0.0233	1.0	0.0233	0.0233
27	G90B_037_037d	0.025	0.125	0.062	169	0.023	0.125	0.023	0.125	0.023	0.023	0.023	0.125	0.023	0.023
28	G92B_050_050d	0.025	0.25	0.187	190	0.023	0.25	0.023	0.25	0.023	0.023	0.023	0.25	0.023	0.023
29	G93B_062_062d	0.025	0.375	0.187	210	0.023	0.375	0.023	0.375	0.023	0.023	0.023	0.375	0.023	0.023
30	G94B_087_087d	0.025	0.5	0.187	224	0.023	0.5	0.023	0.5	0.023	0.023	0.023	0.5	0.023	0.023
31	G95B_050_050d	0.025	0.625	0.187	233	0.023	0.625	0.023	0.625	0.023	0.023	0.023	0.625	0.023	0.023
32	G96B_062_062d	0.025	0.75	0.187	240	0.023	0.75	0.023	0.75	0.023	0.023	0.023	0.75	0.023	0.023
33	G97B_075_075d	0.025	0.875	0.187	245	0.023	0.875	0.023	0.875	0.023	0.023	0.023	0.875	0.023	0.023
34	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
35	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
36	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
37	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
38	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
39	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
40	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
41	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
42	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
43	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
44	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
45	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
46	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
47	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
48	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
49	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
50	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
51	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
52	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
53	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
54	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
55	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
56	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
57	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
58	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
59	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
60	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
61	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
62	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
63	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
64	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
65	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
66	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
67	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
68	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
69	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
70	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
71	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
72	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
73	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
74	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
75	G98B_100_100d	0.025	1.0	0.187	248	0.023	1.0	0.023	1.0	0.023	0.023	0.023	1.0	0.023	0.023
76	G98B_100_100d	0.025	1.0	0.187</											

 $\Delta E^* = 4.6$

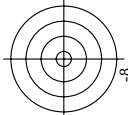
mean color difference of this range:

3
Q.T
Q.T

Door-0

3

see similar files: <http://130.149.60.45/~farbmatrik/PE31/PE31.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB material: code=rha4ta

input: *rgb/cmyk* $\rightarrow$ *rgb*_d
output: transfer to *rgb*_d

[illegible]

TUB registration: 20130201-PE31/PE31LONA.TXT /PS
application for measurement of display output, no separation

TUB material: code=rha4ta

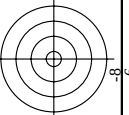
see similar files: <http://130.149.60.45/~farbmatrik/PE31/PE31.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/PE31/PE31LONA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 8/18

TUB-test chart PE31; colour rendering
colors and differences, ΔE^* , 3D=0, de=0, sRGB

PE31-70N, Page 8/18-F

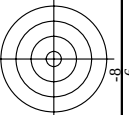
n	H1C*	h ₁₂	h ₁₃	h ₁₄	h ₁₅	h ₁₆	h ₁₇	h ₁₈	h ₁₉	h ₂₀	h ₂₁	h ₂₂	h ₂₃	h ₂₄	h ₂₅	h ₂₆	h ₂₇	h ₂₈	h ₂₉	h ₃₀	h ₃₁	h ₃₂	h ₃₃	h ₃₄	h ₃₅	h ₃₆	h ₃₇	h ₃₈	h ₃₉	h ₄₀	h ₄₁	h ₄₂	h ₄₃	h ₄₄	h ₄₅	h ₄₆	h ₄₇	h ₄₈	h ₄₉	h ₅₀	h ₅₁	h ₅₂	h ₅₃	h ₅₄	h ₅₅	h ₅₆	h ₅₇	h ₅₈	h ₅₉	h ₆₀	h ₆₁	h ₆₂	h ₆₃	h ₆₄	h ₆₅	h ₆₆	h ₆₇	h ₆₈	h ₆₉	h ₇₀	h ₇₁	h ₇₂	h ₇₃	h ₇₄	h ₇₅	h ₇₆	h ₇₇	h ₇₈	h ₇₉	h ₈₀	h ₈₁	h ₈₂	h ₈₃	h ₈₄	h ₈₅	h ₈₆	h ₈₇	h ₈₈	h ₈₉	h ₉₀	h ₉₁	h ₉₂	h ₉₃	h ₉₄	h ₉₅	h ₉₆	h ₉₇	h ₉₈	h ₉₉	h ₁₀₀	h ₁₀₁	h ₁₀₂	h ₁₀₃	h ₁₀₄	h ₁₀₅	h ₁₀₆	h ₁₀₇	h ₁₀₈	h ₁₀₉	h ₁₁₀	h ₁₁₁	h ₁₁₂	h ₁₁₃	h ₁₁₄	h ₁₁₅	h ₁₁₆	h ₁₁₇	h ₁₁₈	h ₁₁₉	h ₁₂₀	h ₁₂₁	h ₁₂₂	h ₁₂₃	h ₁₂₄	h ₁₂₅	h ₁₂₆	h ₁₂₇	h ₁₂₈	h ₁₂₉	h ₁₃₀	h ₁₃₁	h ₁₃₂	h ₁₃₃	h ₁₃₄	h ₁₃₅	h ₁₃₆	h ₁₃₇	h ₁₃₈	h ₁₃₉	h ₁₄₀	h ₁₄₁	h ₁₄₂	h ₁₄₃	h ₁₄₄	h ₁₄₅	h ₁₄₆	h ₁₄₇	h ₁₄₈	h ₁₄₉	h ₁₅₀	h ₁₅₁	h ₁₅₂	h ₁₅₃	h ₁₅₄	h ₁₅₅	h ₁₅₆	h ₁₅₇	h ₁₅₈	h ₁₅₉	h ₁₆₀	h ₁₆₁	h ₁₆₂	h ₁₆₃	h ₁₆₄	h ₁₆₅	h ₁₆₆	h ₁₆₇	h ₁₆₈	h ₁₆₉	h ₁₇₀	h ₁₇₁	h ₁₇₂	h ₁₇₃	h ₁₇₄	h ₁₇₅	h ₁₇₆	h ₁₇₇	h ₁₇₈	h ₁₇₉	h ₁₈₀	h ₁₈₁	h ₁₈₂	h ₁₈₃	h ₁₈₄	h ₁₈₅	h ₁₈₆	h ₁₈₇	h ₁₈₈	h ₁₈₉	h ₁₉₀	h ₁₉₁	h 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₃₅₈	h ₃₅₉	h ₃₆₀	h ₃₆₁	h ₃₆₂	h ₃₆₃	h ₃₆₄	h ₃₆₅	h ₃₆₆	h ₃₆₇	h ₃₆₈	h ₃₆₉	h ₃₇₀	h ₃₇₁	h ₃₇₂	h ₃₇₃	h ₃₇₄	h ₃₇₅	h ₃₇₆	h ₃₇₇	h ₃₇₈	h ₃₇₉	h ₃₈₀	h ₃₈₁	h ₃₈₂	h ₃₈₃	h ₃₈₄	h ₃₈₅	h ₃₈₆	h ₃₈₇	h ₃₈₈	h ₃₈₉	h ₃₉₀	h ₃₉₁	h ₃₉₂	h ₃₉₃	h ₃₉₄	h ₃₉₅	h ₃₉₆	h ₃₉₇	h ₃₉₈	h ₃₉₉	h ₄₀₀	h ₄₀₁	h ₄₀₂	h ₄₀₃	h ₄₀₄	h ₄₀₅	h ₄₀₆	h ₄₀₇	h ₄₀₈	h ₄₀₉	h ₄₁₀	h ₄₁₁	h ₄₁₂	h ₄₁₃	h ₄₁₄	h ₄₁₅	h ₄₁₆	h ₄₁₇	h ₄₁₈	h ₄₁₉	h ₄₂₀	h ₄₂₁	h ₄₂₂	h ₄₂₃	h ₄₂₄	h ₄₂₅	h ₄₂₆	h ₄₂₇	h ₄₂₈	h ₄₂₉	h ₄₃₀	h ₄₃₁	h ₄₃₂	h ₄₃₃	h ₄₃₄	h ₄₃₅	h ₄₃₆	h ₄₃₇	h ₄₃₈	h ₄₃₉	h ₄₄₀	h ₄₄₁	h ₄₄₂	h ₄₄₃	h ₄₄₄	h ₄₄₅	h ₄₄₆	h ₄₄₇	h ₄₄₈	h ₄₄₉	h ₄₅₀	h ₄₅₁	h ₄₅₂	h ₄₅₃	h ₄₅₄	h ₄₅₅	h ₄₅₆	h ₄₅₇	h ₄₅₈	h ₄₅₉	h ₄₆₀	h ₄₆₁	h ₄₆₂	h ₄₆₃	h ₄₆₄	h ₄₆₅	h ₄₆₆	h ₄₆₇	h ₄₆₈	h ₄₆₉	h ₄₇₀	h ₄₇₁	h ₄₇₂	h ₄₇₃	h ₄₇₄	h ₄₇₅	h ₄₇₆	h ₄₇₇	h ₄₇₈	h ₄₇₉	h ₄₈₀	h ₄₈₁	h ₄₈₂	h ₄₈₃	h ₄₈₄	h ₄₈₅	h ₄₈₆	h ₄₈₇	h ₄₈₈	h ₄₈₉	h ₄₉₀	h ₄₉₁	h ₄₉₂	h ₄₉₃	h ₄₉₄	h ₄₉₅	h ₄₉₆	h ₄₉₇	h ₄₉₈	h ₄₉₉	h ₅₀₀	h ₅₀₁	h ₅₀₂	h ₅₀₃	h ₅₀₄	h ₅₀₅	h ₅₀₆	h ₅₀₇	h ₅₀₈	h ₅₀₉	h ₅₁₀	h ₅₁₁	h ₅₁₂	h ₅₁₃	h ₅₁₄	h ₅₁₅	h ₅₁₆	h ₅₁₇	h ₅₁₈	h ₅₁₉	h ₅₂₀	h ₅₂₁	h ₅₂₂	h ₅₂₃	h ₅₂₄	h ₅₂₅	h ₅₂₆	h ₅₂₇	h ₅₂₈	h ₅₂₉	h ₅₃₀	h ₅₃₁	h ₅₃₂	h ₅₃₃	h ₅₃₄	h ₅₃₅	h ₅₃₆	h ₅₃₇	h ₅₃₈	h ₅₃₉	h ₅₄₀	h ₅₄₁	h ₅₄₂	h ₅₄₃	h ₅₄₄	h ₅₄₅	h ₅₄₆	h ₅₄₇	h ₅₄₈	h ₅₄₉	h ₅₅₀	h ₅₅₁	h ₅₅₂	h ₅₅₃	h ₅₅₄	h ₅₅₅	h ₅₅₆	h ₅₅₇	h ₅₅₈	h ₅₅₉	h ₅₆₀	h ₅₆₁	h ₅₆₂	h ₅₆₃	h ₅₆₄	h ₅₆₅	h ₅₆₆	h ₅₆₇	h ₅₆₈	h ₅₆₉	h ₅₇₀	h ₅₇₁	h ₅₇₂	h ₅₇₃	h ₅₇₄	h ₅₇₅	h ₅₇₆	h ₅₇₇	h ₅₇₈	h ₅₇₉	h ₅₈₀	h ₅₈₁	h ₅₈₂	h ₅₈₃	h ₅₈₄	h ₅₈₅	h ₅₈₆	h ₅₈₇	h ₅₈₈	h ₅₈₉	h ₅₉₀	h ₅₉₁	h ₅₉₂	h ₅₉₃	h ₅₉₄	h ₅₉₅	h ₅₉₆	h ₅₉₇	h ₅₉₈	h ₅₉₉	h ₆₀₀	h ₆₀₁	h ₆₀₂	h ₆₀₃	h ₆₀₄	h ₆₀₅	h ₆₀₆	h ₆₀₇	h ₆₀₈	h ₆₀₉	h ₆₁₀	h ₆₁₁	h ₆₁₂	h ₆₁₃	h ₆₁₄	h ₆₁₅	h ₆₁₆	h ₆₁₇	h ₆₁₈	h ₆₁₉	h ₆₂₀	h ₆₂₁	h ₆₂₂	h ₆₂₃	h ₆₂₄	h ₆₂₅	h ₆₂₆	h ₆₂₇	h ₆₂₈	h ₆₂₉	h ₆₃₀	h ₆₃₁	h ₆₃₂	h ₆₃₃	h ₆₃₄	h ₆₃₅	h ₆₃₆	h ₆₃₇	h ₆₃₈	h ₆₃₉	h ₆₄₀	h ₆₄₁	h ₆₄₂	h ₆₄₃	h ₆₄₄	h ₆₄₅	h ₆₄₆	h ₆₄₇	h ₆₄₈	h ₆₄₉	h ₆₅₀	h ₆₅₁	h ₆₅₂	h ₆₅₃	h ₆₅₄	h ₆₅₅	h ₆₅₆	h ₆₅₇	h ₆₅₈	h ₆₅₉	h ₆₆₀	h ₆₆₁	h ₆₆₂	h ₆₆₃	h ₆₆₄	h ₆₆₅	h ₆₆₆	h ₆₆₇	h ₆₆₈	h ₆₆₉	h ₆₇₀	h ₆₇₁	h ₆₇₂	h ₆₇₃	h ₆₇₄	h ₆₇₅	h ₆₇₆	h ₆₇₇	h ₆₇₈	h ₆₇₉	h ₆₈₀	h ₆₈₁	h ₆₈₂	h ₆₈₃	h ₆₈₄	h ₆₈₅	h ₆₈₆	h ₆₈₇	h ₆₈₈	h ₆₈₉	h ₆₉₀	h ₆₉₁	h ₆₉₂	h ₆₉₃	h ₆₉₄	h ₆₉₅	h ₆₉₆	h ₆₉₇	h ₆₉₈	h ₆₉₉	h ₇₀₀	h ₇₀₁	h ₇₀₂	h ₇₀₃	h ₇₀₄	h ₇₀₅	h ₇₀₆	h ₇₀₇	h ₇₀₈	h ₇₀₉	h ₇₁₀	h ₇₁₁	h ₇₁₂	h ₇₁₃	h ₇₁₄	h ₇₁₅	h ₇₁₆	h ₇₁₇	h ₇₁₈	h ₇₁₉	h ₇₂₀	h ₇₂₁	h ₇₂₂	h ₇₂₃	h ₇₂₄	h ₇₂₅	h ₇₂₆	h ₇₂₇	h ₇₂₈	h ₇₂₉	h ₇₃₀	h ₇₃₁	h ₇₃₂	h ₇₃₃	h ₇₃₄	h ₇₃₅	h ₇₃₆	h ₇₃₇	h ₇₃₈	h ₇₃₉	h ₇₄₀	h ₇₄₁	h ₇₄₂	h ₇₄₃	h ₇₄₄	h ₇₄₅	h ₇₄₆	h ₇₄₇	h ₇₄₈	h ₇₄₉	h ₇₅₀	h ₇₅₁	h ₇₅₂	h ₇₅₃	h ₇₅₄	h ₇₅₅	h ₇₅₆	h ₇₅₇	h ₇₅₈	h ₇₅₉	h ₇₆₀	h ₇₆₁	h ₇₆₂	h ₇₆₃	h ₇₆₄	h ₇₆₅	h ₇₆₆	h ₇₆₇	h ₇₆₈	h ₇₆₉	h ₇₇₀	h ₇₇₁	h ₇₇₂	h ₇₇₃	h ₇₇₄	h ₇₇₅	h ₇₇₆	h ₇₇₇	h ₇₇₈	h ₇₇₉	h ₇₈₀	h ₇₈₁	h ₇₈₂	h ₇₈₃	h ₇₈₄	h ₇₈₅	h ₇₈₆	h ₇₈₇	h ₇₈₈	h ₇₈₉	h ₇₉₀	h ₇₉₁	h ₇₉₂	h ₇₉₃	h ₇₉₄	h ₇₉₅	h ₇₉₆	h ₇₉₇	h ₇₉₈	h ₇₉₉	h ₈₀₀	h ₈₀₁	h ₈₀₂	h ₈₀₃	h ₈₀₄	h ₈₀₅	h ₈₀₆	h ₈₀₇	h ₈₀₈	h ₈₀₉	h ₈₁₀	h ₈₁₁	h ₈₁₂	h ₈₁₃	h ₈₁₄	h ₈₁₅	h ₈₁₆	h ₈₁₇	h ₈₁₈	h ₈₁₉	h ₈₂₀	h ₈₂₁	h ₈₂₂	h ₈₂₃	h ₈₂₄	h ₈₂₅	h ₈₂₆	h ₈₂₇	h ₈₂₈	h ₈₂₉	h ₈₃₀	h ₈₃₁	h ₈₃₂	h ₈₃₃	h ₈₃₄	h ₈₃₅	h ₈₃₆	h ₈₃₇	h ₈₃₈	h ₈₃₉	h ₈₄₀	h ₈₄₁	h ₈₄₂	h ₈₄₃	h ₈₄₄	h ₈₄₅	h ₈₄₆	h ₈₄₇	h ₈₄₈	h ₈₄₉	h ₈₅₀	h ₈₅₁	h ₈₅₂	h ₈₅₃	h ₈₅₄	h ₈₅₅	h ₈₅₆	h ₈₅₇	h ₈₅₈	h ₈₅₉	h ₈₆₀	h
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TUB material: code=rha4ta

input: *rgb/cmyk* $\rightarrow$ *rgb_d*
output: transfer to *rgb_d*

n	HIC* _{rd}	rgb _{rd}	ic _{rd}	h ₀ _{rd}	rgb* _{rd}	LabCh* _{rd}	Mean color difference in the CIE L*a*b* space																									
							rgb* _{rd}	LabCh* _{rd}	DE* _{rd}	rgb* _{rd}	LabCh* _{rd}	DE* _{rd}	rgb* _{rd}	LabCh* _{rd}	DE* _{rd}	rgb* _{rd}	LabCh* _{rd}	DE* _{rd}														
324	R26Y_050_050d	0.5	0.0	0.5	0.5	0.5	390	25.2	38.4	32.2	50.2	40.0	0.5	0.0	0.0	23.7	46.0	35.7	58.2	37.8	8.4	389	1.0	0.0	0.0	0.0	0.0	0.0	64.5	76.9	100.4	40.0
325	R65Y_050_050d	0.5	0.0	0.5	0.5	0.0	25.4	39.0	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
326	R65Y_050_050d	0.5	0.0	0.5	0.5	0.0	25.4	39.0	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
327	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
328	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
329	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
330	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
331	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
332	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
333	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
334	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
335	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
336	B61R_050_050d	0.5	0.0	0.5	0.5	0.0	23.6	40.5	20.6	44.1	27.8	51.0	23.5	0.5	0.0	0.125	24.0	46.8	20.3	51.0	23.5	0.5	0.0	0.0	0.0	0.0	0.0	50.8	78.0	88.2	27.8	
337	B61R_050_050d	0.5	0.0	0.5	0.5																											

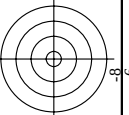


TUB material: code=rha4ta

TUB-test chart PE31; colour rendering colors and differences, ΔE^* , 3D=0, de

sRGB

http://130.149.60.45/~farbmatrik/PE31/PE31LONA.TXT /PS; transfer output									
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/18									
n	HIC*Fid	rgb_Fid	tel_Fid	hsa_Fid	rgb*Fid	LabCh*Fid	LabCh*Fid	DE*Fid	rgb*Fid
648	R00Y_100_100d	1.0	0.0	0.5	390	50.4	76.9	39.9	1.0
649	R30Y_100_100d	1.0	0.125	1.0	0.0	50.4	76.9	64.5	1.0
650	R60Y_100_100d	1.0	0.25	1.0	0.0	50.4	76.9	55.6	1.0
651	R13Y_100_100d	1.0	0.375	1.0	0.0	50.4	76.9	41.2	1.0
652	R00Y_100_100d	1.0	0.5	1.0	0.0	50.4	76.9	22.7	1.0
653	R60Y_100_100d	1.0	0.625	1.0	0.0	50.4	76.9	8.1	1.0
654	B61R_100_100d	1.0	0.75	1.0	0.0	50.4	76.9	81.9	1.0
655	B55R_100_100d	1.0	0.875	1.0	0.0	50.4	76.9	85.0	1.0
656	B50R_100_100d	1.0	1.0	1.0	0.0	50.4	76.9	88.1	1.0
657	R11Y_100_100d	1.0	0.0	0.5	330	50.4	76.9	57.2	1.0
658	R00Y_100_087d	1.0	0.125	1.0	0.0	50.4	76.9	64.5	1.0
659	R36Y_100_087d	1.0	0.25	1.0	0.0	50.4	76.9	53.9	1.0
660	R23Y_100_087d	1.0	0.375	1.0	0.0	50.4	76.9	38.6	1.0
661	R08Y_100_087d	1.0	0.5	1.0	0.0	50.4	76.9	25.1	1.0
662	B70R_100_087d	1.0	0.625	1.0	0.0	50.4	76.9	11.1	1.0
663	B63R_100_087d	1.0	0.75	1.0	0.0	50.4	76.9	83.5	1.0
664	B56R_100_087d	1.0	0.875	1.0	0.0	50.4	76.9	86.2	1.0
665	B50R_100_087d	1.0	1.0	1.0	0.0	50.4	76.9	89.4	1.0
666	R23Y_100_100d	1.0	0.25	0.0	44	50.4	76.9	65.8	1.0
667	R13Y_100_087d	1.0	0.375	1.0	0.0	50.4	76.9	41.2	1.0
668	R00Y_100_075d	1.0	0.25	0.25	390	50.4	76.9	64.5	1.0
669	R35Y_100_075d	1.0	0.375	1.0	0.0	50.4	76.9	51.7	1.0
670	R18Y_100_075d	1.0	0.5	1.0	0.0	50.4	76.9	33.6	1.0
671	R00Y_100_075d	1.0	0.625	1.0	0.0	50.4	76.9	20.6	1.0
672	B65R_100_075d	1.0	0.75	1.0	0.0	50.4	76.9	81.1	1.0
673	B58R_100_075d	1.0	0.875	1.0	0.0	50.4	76.9	84.8	1.0
674	B52R_100_075d	1.0	1.0	1.0	0.0	50.4	76.9	87.9	1.0
675	R36Y_100_075d	1.0	0.25	0.5	52	50.4	76.9	65.1	1.0
676	R23Y_100_075d	1.0	0.375	1.0	0.0	50.4	76.9	41.2	1.0
677	R13Y_100_075d	1.0	0.5	1.0	0.0	50.4	76.9	27.4	1.0
678	R00Y_100_062d	1.0	0.625	0.87	390	50.4	76.9	64.5	1.0
679	R31Y_100_062d	1.0	0.75	1.0	0.0	50.4	76.9	47.5	1.0
680	R11Y_100_062d	1.0	0.875	1.0	0.0	50.4	76.9	42.1	1.0
681	B69R_100_062d	1.0	1.0	1.0	0.0	50.4	76.9	50.4	1.0
682	B59R_100_062d	1.0	0.375	0.75	341	50.4	76.9	36.6	1.0
683	B50R_100_062d	1.0	0.625	0.87	330	50.4	76.9	32.2	1.0
684	B50Y_100_062d	1.0	0.5	0.0	60	50.4	76.9	33.3	1.0
685	R41Y_100_087d	1.0	0.125	1.0	0.0	50.4	76.9	53.7	

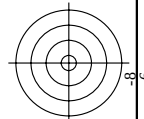


TUB material: code=rha4ta

input: *rgb/cmyk* → *rgb*
output: transfer to *rgb*

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1 0024720 00 DE 310-7N Date 16/18-F



TUB material: code=rha4ta

input: *rgb/cmyk* → *rgb*_d
output: transfer to *rgb*_d

TUB-test chart PE31; colour rendering colors and differences, ΔE^* , 3D=0, de=0, sRGB

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0031730 TO

TUB-test chart PE31; colour rendering colors and differences, ΔE^* , 3D=0, de=

-see similar files: <http://130.149.60.45/~farbmetrik/PE31/PE31.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Mean color difference of this page: $\Delta E^* = 1.0$