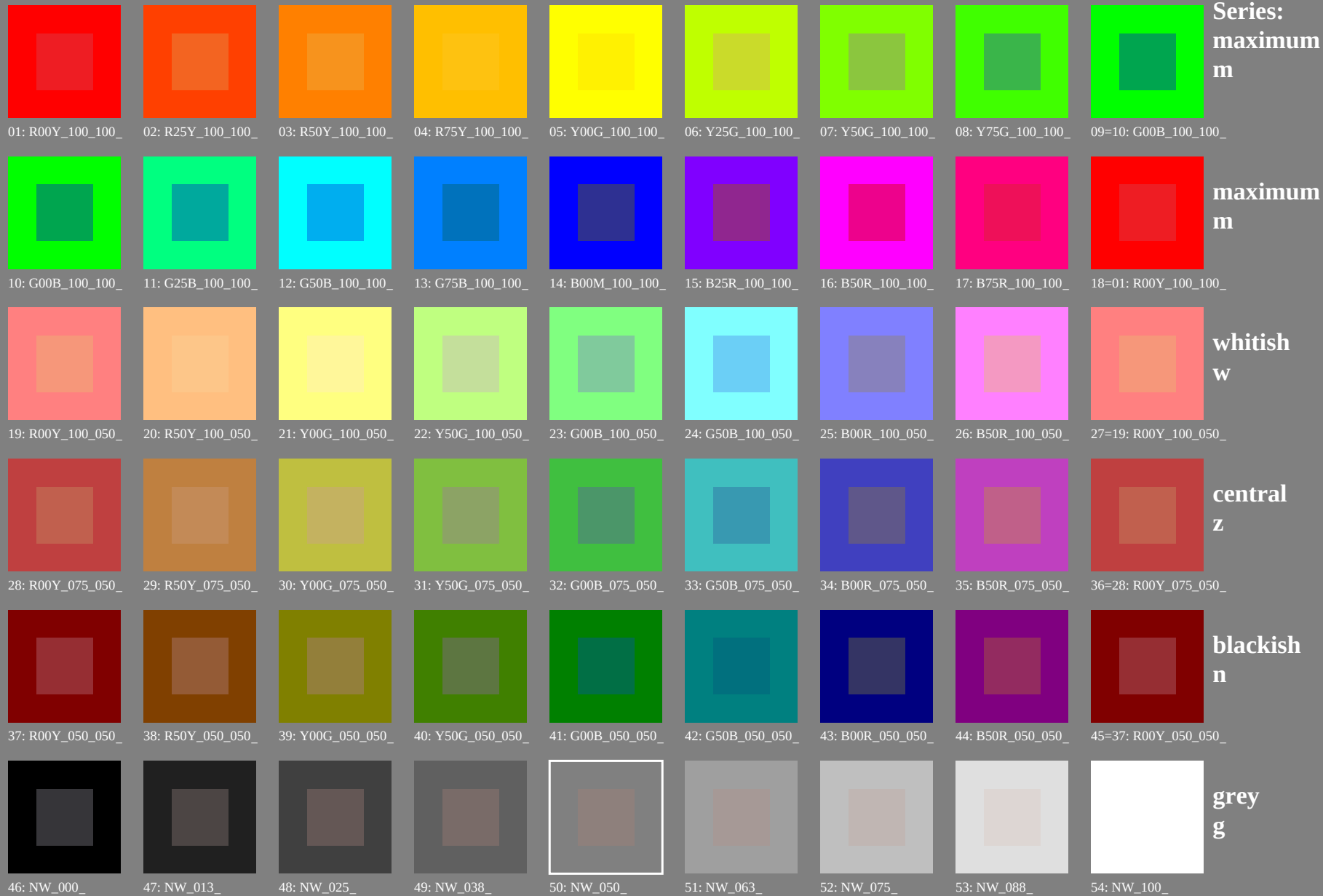


Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK)

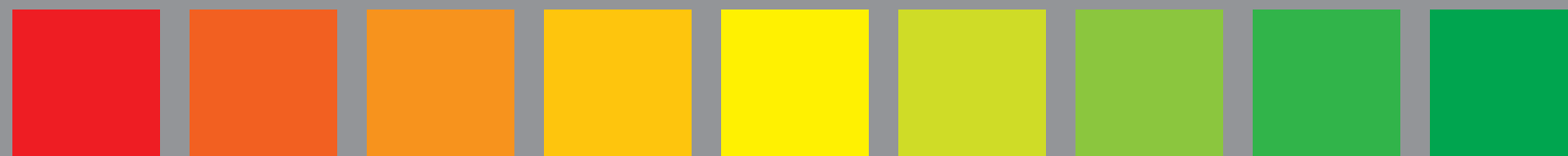


see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0NA.TXT /PS
application for measurement of laser printer output

TUB material: code=rha4ta

Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); $rgb \rightarrow rgb^*d$



01: R00Y_100_100_d 02: R25Y_100_100_d 03: R50Y_100_100_d 04: R75Y_100_100_d 05: Y00G_100_100_d 06: Y25G_100_100_d 07: Y50G_100_100_d 08: Y75G_100_100_d 09=10: G00B_100_100_d

Series:
maximum
m



10: G00B_100_100_d 11: G25B_100_100_d 12: G50B_100_100_d 13: G75B_100_100_d 14: B00M_100_100_d 15: B25R_100_100_d 16: B50R_100_100_d 17: B75R_100_100_d 18=01: R00Y_100_100_d

maximum
m



19: R00Y_100_050_d 20: R50Y_100_050_d 21: Y00G_100_050_d 22: Y50G_100_050_d 23: G00B_100_050_d 24: G50B_100_050_d 25: B00R_100_050_d 26: B50R_100_050_d 27=19: R00Y_100_050_d

whitish
w



28: R00Y_075_050_d 29: R50Y_075_050_d 30: Y00G_075_050_d 31: Y50G_075_050_d 32: G00B_075_050_d 33: G50B_075_050_d 34: B00R_075_050_d 35: B50R_075_050_d 36=28: R00Y_075_050_d

central
z



37: R00Y_050_050_d 38: R50Y_050_050_d 39: Y00G_050_050_d 40: Y50G_050_050_d 41: G00B_050_050_d 42: G50B_050_050_d 43: B00R_050_050_d 44: B50R_050_050_d 45=37: R00Y_050_050_d

blackish
n

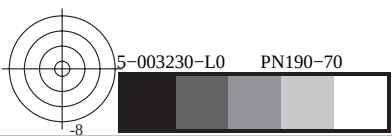
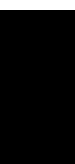


46: NW_000_d 47: NW_013_d 48: NW_025_d 49: NW_038_d 50: NW_050_d 51: NW_063_d 52: NW_075_d 53: NW_088_d 54: NW_100_d

grey
g

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
application for measurement of laser printer output, separation $cmynb$ (CMYK)
TUB material: code=rha4ta



TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
+ application for measurement of laser printer output, separ-

TUB material: code=rha4ta
myn6 (CMYK)

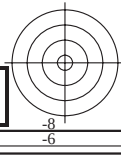
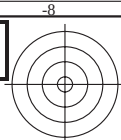
TUB-test chart PN19; colour rendering
54 standard colors, 3D=0, de=0, *cmyk*

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

see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

5-003330-F0

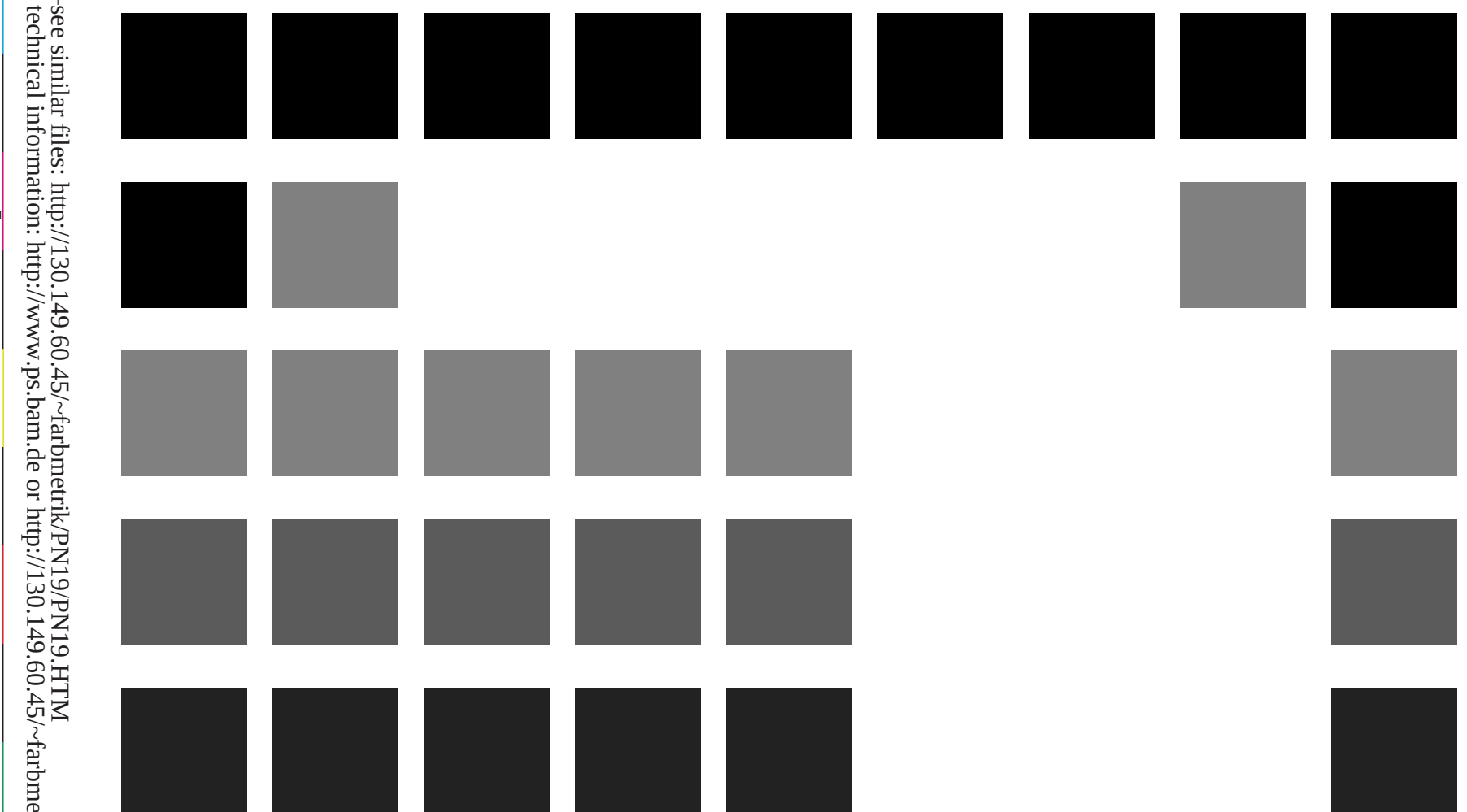
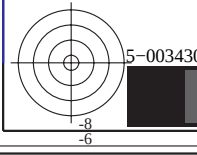
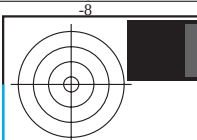
TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS TUB material: code=rha4ta
application for measurement of laser printer output, separation cmyk6 (CMYK)



http://130.149.60.45/~farbmetrik/PN19/PN19L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/22

TUB-test chart PN19; colour rendering
54 standard colors, 3D=0, de=0, cmyk

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



see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); $rgb \rightarrow rgb^*d$

Series:
maximum
m

maximum
m

whitish
W

central
Z

blackish
n

grey
g

TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
+ application for measurement of laser printer output, separat

TUB material: code=rh4ta
myn6 (CMYK)

see similar files: <http://130.149.60.45/~farbmeterik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmeterik>

TUB-test chart PN19; colour rendering
54 standard colors, 3D=0, de=0, *cm* *yk*

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

<http://130.149.60.45/~farbmetrik/PN19/PN19L0NA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 7/22

n/f		HfC*Fd	rgb_Fd	icr_Fd	hsa_Fd	rgb_Fd	LabCH*Fd	LabCH*Fd	DF*Fd	hsa_d	rgb_Md	LabCH*Md	LabCH*Md
0/648	R00Y_100_100a	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/657	R13Y_100_100a	1.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/666	R25Y_100_100a	1.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/675	R38Y_100_100a	1.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/684	R50Y_100_100a	1.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/693	R63Y_100_100a	1.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6/702	R75Y_100_100a	1.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/711	R88Y_100_100a	1.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/720	Y00C_100_100a	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/639	Y13C_100_100a	0.875	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/558	Y25C_100_100a	0.75	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/477	Y38C_100_100a	0.625	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12/396	Y50C_100_100a	0.5	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13/315	Y63C_100_100a	0.375	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14/234	Y75C_100_100a	0.25	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15/153	Y88C_100_100a	0.125	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16/72	G00C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/73	G13C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/74	G25C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/75	G38C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20/76	G50C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21/77	G63C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22/78	G75C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/79	G88C_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/80	C00B_100_100a	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/81	C13B_100_100a	0.0	0.875	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26/62	C25B_100_100a	0.0	0.75	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/63	C38B_100_100a	0.0	0.625	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28/44	C50B_100_100a	0.0	0.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29/35	C63B_100_100a	0.0	0.375	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30/26	C75B_100_100a	0.0	0.25	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31/17	C88B_100_100a	0.0	0.125	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32/8	B00M_100_100a	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33/89	B13M_100_100a	0.125	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34/170	B25M_100_100a	0.25	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35/251	B38M_100_100a	0.375	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36/332	B50M_100_100a	0.5	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37/413	B63M_100_100a	0.625	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38/494	B75M_100_100a	0.75	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39/575	B88M_100_100a	0.875	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40/656	M00R_100_100a	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41/655	M13R_100_100a	1.0	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42/654	M25R_100_100a	1.0	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43/653	M38R_100_100a	1.0	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44/652	M50R_100_100a	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45/651	M63R_100_100a	1.0	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/650	M75R_100_100a	1.0	0.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47/649	M88R_100_100a	1.0	0.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48/648	R00Y_100_100a	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49/0	NW_000a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NW_013a	0.125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/182	NW_025a	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/273	NW_038a	0.375	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/364	NW_050a	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54/455	NW_063a	0.625	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55/546	NW_075a	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56/637	NW_088a	0.875	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57/728	NW_100a	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

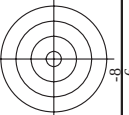
input: rgb/cmyk -> rgba
output: transfer to cmykd

PN190-7N, 7/22 - F

TUB-test chart PN19; colour rendering
colors and differences, ΔE^* , 3D=0, de=0, cmyk

5-003630-F0

delta E* = 2.9



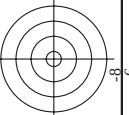
TUB material: code=rha4ta
myn6 (CMYK)

input: $rgb/cmyk \rightarrow rgbd$
output: transfer to $cmykd$



PN190-7N, 8/22-F

[illegible]



TUB material: code=rha4ta
cmyn6 (CMYK)

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

[illegible]



TUB material: code=rha4ta
myn6 (CMYK)

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

[illegible]

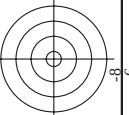
see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/22

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=0, cm/yk

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

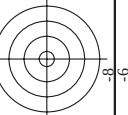
[illegible]



TUB material: code=rha4ta
cmyn6 (CMYK)

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

	HIC*	rgb_Fd	fcc_Fd	hsa_Fd	rgb*Fd	LobCh*Fd	rgb*Fd	LobCh*Fd	DE*Fd	hsa*Fd	rgb*Fd	LobCh*Fd
405	ROXY_062_062A	0.625	0.0	0.625	0.625	0.312	390	386	35.7	23.6	42.8	33.4
406	ROXY_062_062A	0.625	0.0	0.625	0.625	0.312	379	387	35.1	19.4	40.1	28.9
407	RI1Y_062_062A	0.625	0.0	0.625	0.625	0.312	367	385	35.6	11.8	37.5	18.3
408	B69R_062_062A	0.625	0.0	0.625	0.625	0.312	353	389	38.5	1.6	38.5	2.5
409	B59R_062_062A	0.625	0.0	0.625	0.625	0.312	341	398	40.8	-5.4	41.2	352.3
410	B59R_062_062A	0.625	0.0	0.625	0.625	0.312	330	407	41.3	41.6	348.9	37.9
411	B42R_075_075A	0.625	0.0	0.625	0.637	0.0	321	396	44.3	-13.6	46.3	342.9
412	B36R_087_087A	0.625	0.0	0.625	0.637	0.0	314	393	44.3	-13.6	46.3	342.9
413	B31R_100_100A	0.625	0.0	0.625	0.633	0.0	308	392	48.9	-26.9	55.8	37.1
414	B31R_100_100A	0.625	0.0	0.625	0.633	0.0	308	392	48.9	-26.9	55.8	37.1
415	RI8Y_062_062A	0.625	0.125	0.625	0.625	0.114	41	40.2	30.3	32.7	44.6	33.4
416	ROXY_062_062A	0.625	0.125	0.625	0.625	0.125	125	44.7	38.6	18.9	34.4	33.4
417	ROXY_062_062A	0.625	0.125	0.625	0.625	0.125	125	44.7	38.6	18.9	34.4	33.4
418	RI8Y_062_062A	0.625	0.125	0.625	0.625	0.125	125	44.7	38.6	18.9	34.4	33.4
419	B61R_062_050A	0.625	0.125	0.625	0.625	0.125	125	44.7	38.6	18.9	34.4	33.4
420	B61R_062_050A	0.625	0.125	0.625	0.625	0.125	125	44.7	38.6	18.9	34.4	33.4
421	B40R_075_062A	0.625	0.125	0.625	0.637	0.0	319	393	44.3	-13.6	46.3	342.9
422	B29R_100_087A	0.625	0.125	0.625	0.637	0.0	305	393	44.3	-13.6	46.3	342.9
423	B36R_087_087A	0.625	0.125	0.625	0.637	0.0	305	393	44.3	-13.6	46.3	342.9
424	R23Y_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
425	ROXY_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
426	RI8Y_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
427	B65R_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
428	B30R_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
429	B30R_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
430	B30R_062_037A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
431	B25R_100_075A	0.625	0.25	0.625	0.625	0.241	125	49.6	21.7	27.2	34.8	51.4
432	RI6Y_062_062A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
433	RY0Y_062_062A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
434	RI1Y_062_037A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
435	RY0Y_062_037A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
436	RI8Y_062_037A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
437	B30R_062_025A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
438	B30R_062_025A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
439	B30R_062_025A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
440	B30R_062_025A	0.625	0.375	0.625	0.625	0.312	67	66.2	37.5	12.5	67.5	12.5
441	RI8Y_062_062A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
442	B76Y_062_062A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
443	B89Y_062_037A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
444	B89Y_062_037A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
445	RY0Y_062_012A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
446	B59R_062_012A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
447	B25R_075_025A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
448	B15R_087_037A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
449	B11R_100_050A	0.625	0.5	0.625	0.625	0.312	76	66.2	37.5	12.5	67.5	12.5
450	RY0Y_062_062A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
451	RY0Y_062_062A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
452	RY0Y_062_037A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
453	RY0Y_062_037A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
454	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
455	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
456	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
457	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
458	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
459	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
460	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
461	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
462	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
463	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
464	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
465	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
466	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
467	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
468	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
469	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
470	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
471	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
472	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
473	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
474	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
475	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
476	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
477	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
478	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
479	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
480	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
481	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
482	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
483	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
484	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
485	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
486	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
487	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
488	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
489	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
490	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
491	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
492	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
493	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
494	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
495	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
496	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
497	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
498	RY0Y_062_012A	0.625	0.625	0.625	0.625	0.312	90	66.2	37.5	12.5	67.5	12.5
499												

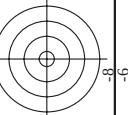


TUB material: code=rha4ta
cmyn6 (CMYK)

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

PN190-7N, 15/22-F

[illegible]



TUB material: code=rha4ta
cmyn6 (CMYK)

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

[illegible]



TUB material: code=rha4ta
myn6 (CMYK)

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

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=0, cmyk

2N190-7N 19

[illegible]

TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
application for measurement of laser printer output, separation cmykn6 (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/22

n	H1C*Fd	rgb*Fd	ic1*Fd	hs1*Fd	rgb*Fd	LabCH*Fd	rgb*Fd	LabCH*Fd	DF*Fd	hs1*Fd	rgb*Md	LabCH*Md	0.0	0.0	0.0
891	NW_100d	1.0	1.0	1.0	1.0	360	1.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0
892	B50R_100.012d	1.0	0.125	0.937	330	1.0	0.875	1.0	0.875	1.0	0.875	1.0	95.8	0.0	0.0
893	B50R_100.025d	1.0	0.275	0.725	330	1.0	0.725	1.0	0.725	1.0	0.725	1.0	48.1	65.4	348.9
894	B50R_100.037d	1.0	0.375	0.625	330	1.0	0.625	1.0	0.625	1.0	0.625	1.0	48.1	65.4	348.9
895	B50R_100.050d	1.0	0.5	0.5	330	1.0	0.5	1.0	0.5	1.0	0.5	1.0	48.1	65.4	348.9
896	B50R_100.062d	1.0	0.625	0.375	330	1.0	0.375	1.0	0.375	1.0	0.375	1.0	48.1	65.4	348.9
897	B50R_100.075d	1.0	0.75	0.25	330	1.0	0.25	1.0	0.25	1.0	0.25	1.0	48.1	65.4	348.9
898	B50R_100.087d	1.0	0.875	0.125	330	1.0	0.125	1.0	0.125	1.0	0.125	1.0	48.1	65.4	348.9
899	B50R_100.100d	1.0	1.0	0.0	330	1.0	1.0	0.0	1.0	0.0	1.0	0.0	48.1	65.4	348.9
900	GOB_100.012d	0.875	1.0	0.125	937	1.0	0.875	1.0	0.875	1.0	0.875	1.0	54.3	74.3	155.5
901	NW_087d	0.875	0.875	0.875	360	0.875	0.875	0.875	8.8	0.0	0.0	0.0	0.0	0.0	0.0
902	B50R_087.012d	0.875	0.75	0.875	330	0.875	0.75	0.875	8.8	0.1	1.0	1.0	48.1	65.4	348.9
903	B50R_087.025d	0.875	0.625	0.875	330	0.875	0.625	0.875	7.8	0.1	1.0	1.0	48.1	65.4	348.9
904	B50R_087.037d	0.875	0.5	0.875	330	0.875	0.5	0.875	6.8	0.1	1.0	1.0	48.1	65.4	348.9
905	B50R_087.050d	0.875	0.375	0.875	330	0.875	0.375	0.875	6.8	0.1	1.0	1.0	48.1	65.4	348.9
906	B50R_087.062d	0.875	0.25	0.875	330	0.875	0.25	0.875	5.8	0.1	1.0	1.0	48.1	65.4	348.9
907	B50R_087.075d	0.875	0.125	0.875	330	0.875	0.125	0.875	4.8	0.1	1.0	1.0	48.1	65.4	348.9
908	B50R_087.087d	0.875	0.0	0.875	330	0.875	0.0	0.875	4.8	0.1	1.0	1.0	48.1	65.4	348.9
909	GOB_100.025d	0.75	1.0	0.25	887	1.0	0.75	1.0	0.75	1.0	0.75	1.0	54.3	74.3	155.5
910	GOB_100.037d	0.75	0.875	0.125	887	1.0	0.75	0.875	8.8	0.1	1.0	1.0	54.3	74.3	155.5
911	NW_075d	0.75	0.75	0.75	360	0.75	0.75	0.75	7.8	0.0	0.0	0.0	0.0	0.0	0.0
912	B50R_075.012d	0.75	0.625	0.75	330	0.75	0.625	0.75	7.8	0.1	1.0	1.0	48.1	65.4	348.9
913	B50R_075.025d	0.75	0.5	0.75	330	0.75	0.5	0.75	6.8	0.1	1.0	1.0	48.1	65.4	348.9
914	B50R_075.037d	0.75	0.375	0.75	330	0.75	0.375	0.75	5.8	0.1	1.0	1.0	48.1	65.4	348.9
915	B50R_075.050d	0.75	0.25	0.75	330	0.75	0.25	0.75	4.8	0.1	1.0	1.0	48.1	65.4	348.9
916	B50R_075.062d	0.75	0.125	0.75	330	0.75	0.125	0.75	3.8	0.1	1.0	1.0	48.1	65.4	348.9
917	B50R_075.075d	0.75	0.0	0.75	330	0.75	0.0	0.75	3.8	0.1	1.0	1.0	48.1	65.4	348.9
918	GOB_100.037d	0.625	1.0	0.375	887	1.0	0.625	1.0	0.625	1.0	0.625	1.0	54.3	74.3	155.5
919	GOB_100.050d	0.625	0.875	0.625	887	1.0	0.625	0.875	6.8	0.1	1.0	1.0	54.3	74.3	155.5
920	GOB_075.012d	0.625	0.75	0.625	887	1.0	0.625	0.75	6.8	0.1	1.0	1.0	54.3	74.3	155.5
921	NW_062d	0.625	0.625	0.625	360	0.625	0.625	0.625	6.8	0.0	0.0	0.0	0.0	0.0	0.0
922	B50R_062.012d	0.625	0.5	0.625	330	0.625	0.5	0.625	5.8	0.1	1.0	1.0	48.1	65.4	348.9
923	B50R_062.025d	0.625	0.375	0.625	330	0.625	0.375	0.625	5.8	0.1	1.0	1.0	48.1	65.4	348.9
924	B50R_062.037d	0.625	0.25	0.625	330	0.625	0.25	0.625	5.0	0.1	1.0	1.0	48.1	65.4	348.9
925	B50R_062.050d	0.625	0.125	0.625	330	0.625	0.125	0.625	4.0	0.1	1.0	1.0	48.1	65.4	348.9
926	B50R_062.062d	0.625	0.0	0.625	330	0.625	0.0	0.625	3.0	0.1	1.0	1.0	48.1	65.4	348.9
927	GOB_100.050d	0.5	1.0	0.5	150	0.5	1.0	0.5	75.2	0.0	0.0	0.0	54.3	74.3	155.5
928	GOB_087.037d	0.5	0.875	0.5	150	0.5	0.875	0.5	74.3	0.0	0.0	0.0	54.3	74.3	155.5
929	GOB_087.050d	0.5	0.75	0.5	150	0.5	0.75	0.5	71.8	0.0	0.0	0.0	54.3	74.3	155.5
930	GOB_062.012d	0.5	0.625	0.5	150	0.5	0.625	0.5	68.1	0.0	0.0	0.0	54.3	74.3	155.5
931	NW_050d	0.5	0.5	0.5	360	0.5	0.5	0.5	61.1	0.0	0.0	0.0	54.3	74.3	155.5
932	B50R_050.012d	0.5	0.375	0.375	330	0.5	0.375	0.375	53.3	0.0	0.0	0.0	54.3	74.3	155.5
933	B50R_050.025d	0.5	0.25	0.5	330	0.5	0.25	0.5	47.1	0.0	0.0	0.0	48.1	65.4	348.9
934	B50R_050.037d	0.5	0.125	0.5	330	0.5	0.125	0.5	40.5	0.0	0.0	0.0	48.1	65.4	348.9
935	B50R_050.050d	0.5	0.0	0.5	330	0.5	0.0	0.5	34.7	0.0	0.0	0.0	48.1	65.4	348.9
936	GOB_100.062d	0.375	1.0	0.625	687	1.0	0.375	1.0	68.6	0.0	0.0	0.0	54.3	74.3	155.5
937	GOB_087.050d	0.375	0.875	0.375	687	1.0	0.375	0.875	70.2	0.0	0.0	0.0	54.3	74.3	155.5
938	GOB_087.062d	0.375	0.75	0.375	687	1.0	0.375	0.75	66.0	0.0	0.0	0.0	54.3	74.3	155.5
939	GOB_062.025d	0.375	0.625	0.375	687	1.0	0.375	0.625	64.6	0.0	0.0	0.0	54.3	74.3	155.5
940	NW_037d	0.375	0.5	0.125	437	1.0	0.375	0.5	54.6	0.0	0.0	0.0	54.3	74.3	155.5
941	B50R_037.037d	0.375	0.375	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	54.3	74.3	155.5
942	B50R_037.012d	0.375	0.25	0.375	330	0.375	0.25	0.375	44.8	0.0	0.0	0.0	54.3	74.3	155.5
943	B50R_037.025d	0.375	0.125	0.375	330	0.375	0.125	0.375	37.3	0.0	0.0	0.0	48.1	65.4	348.9
944	B50R_037.037d	0.375	0.0	0.375	330	0.375	0.0	0.375	32.2	0.0	0.0	0.0	48.1	65.4	348.9
945	GOB_100.075d	0.25	1.0	0.25	625	1.0	0.25	1.0	64.7	0.0	0.0	0.0	54.3	74.3	155.5
946	GOB_087.062d	0.25	0.875	0.25	625	1.0	0.875	0.25	60.9	0.0	0.0	0.0	54.3	74.3	155.5
947	GOB_087.075d	0.25	0.75	0.25	625	1.0	0.75	0.25	57.1	0.0	0.0	0.0	54.3	74.3	155.5
948	GOB_062.037d	0.25	0.625	0.25	625	1.0	0.625	0.25	53.2	0.0	0.0	0.0	54.3	74.3	155.5
949	GOB_050.012d	0.25	0.5	0.25	625	1.0	0.5	0.25	49.4	0.0	0.0	0.0	54.3	74.3	155.5
950	GOB_037.012d	0.25	0.375	0.25	625	1.0	0.375	0.25	45.6	0.0	0.0	0.0	54.3	74.3	155.5
951	NW_025d	0.25	0.25	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	54.3	74.3	155.5
952	B50R_025.012d	0.25	0.125	0.25	330	0.25	0.125	0.25	35.8	0.0	0.0	0.0	54.3	74.3	155.5
953	B50R_025.025d	0.25	0.0	0.25	330	0.25	0.0	0.25	29.9	0.0	0.0	0.0	54.3	74.3	155.5
954	GOB_100.087d	0.125	1.0	0.125	937	1.0	0.125	1.0	59.5	0.0	0.0	0.0	54.3	74.3	155.5
955	GOB_087.075d	0.125	0.875	0.125	937	1.0	0.875	0.125	55.7	0.0	0.0	0.0	54.3	74.3	155.5
956	GOB_062.050d	0.125	0.75	0.125	937	1.0	0.75	0.125	51.9	0.0	0.0	0.0	54.3	74.3	155.5

<http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 21/22

n	H1C*Fid	rgb_Fid	icr_Fid	hsa_Fid	LabCH*Fid	rgb**Fid	LabCH**Fid	DF**Fid	hsa**Fid	rgb**Md	LabCH**Md
972	NW_0004	0.0	0.0	0.0	0.0	0.0	22.5	0.0	360	1.0	958
973	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	0.3	272.9	1.0	958
974	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	0.0	266.3	1.0	958
975	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	-0.1	265.7	1.0	958
976	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	0.0	268.6	1.0	958
977	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	-0.1	266.5	1.0	958
978	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	0.0	266.9	1.0	958
979	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	-0.2	248.4	1.0	958
980	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	0.0	233.6	1.0	958
981	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	320.1	1.0	958
982	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	0.0	273.4	1.0	958
983	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	0.0	267.1	1.0	958
984	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	-0.1	268.0	1.0	958
985	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	0.0	269.0	1.0	958
986	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	-0.1	268.3	1.0	958
987	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	0.0	269.6	1.0	958
988	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	-0.2	264.1	1.0	958
989	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	0.0	266.3	1.0	958
990	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.1	60.9	0.5	360
991	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	0.0	283.8	1.0	958
992	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	-0.3	268.4	1.0	958
993	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	0.0	270.7	1.0	958
994	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	-0.1	270.4	1.0	958
995	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	0.0	271.0	1.0	958
996	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	-0.1	272.6	1.0	958
997	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	0.0	272.0	1.0	958
998	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	-0.1	278.1	1.0	958
999	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.1	0.5	360
1000	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	-0.2	280.7	1.0	958
1001	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	-0.8	266.7	1.0	958
1002	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	0.0	267.9	1.0	958
1003	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	-0.9	268.1	1.0	958
1004	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	0.0	268.5	1.0	958
1005	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	-0.5	268.1	1.0	958
1006	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	0.0	258.6	1.0	958
1007	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	-0.2	162.0	0.3	360
1008	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.3	84.0	0.9	360
1009	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	0.0	63.9	0.8	360
1010	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	0.2	285.4	1.0	958
1011	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	-0.8	265.4	1.0	958
1012	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	0.0	284.5	1.0	958
1013	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	-0.1	285.5	1.0	958
1014	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	0.0	270.1	1.0	958
1015	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	-0.1	267.1	1.0	958
1016	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	0.0	268.4	1.0	958
1017	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	269.4	1.0	958
1018	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	0.0	269.4	1.0	958
1019	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	-0.8	267.4	1.0	958
1020	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	-0.4	263.3	1.0	958
1021	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	0.0	216.7	1.0	958
1022	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	0.0	305.0	1.0	958
1023	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	0.2	69.9	5.2	360
1024	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	0.0	12.0	6.8	360
1025	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	-0.9	267.1	1.0	958
1026	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	266.4	1.0	958
1027	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	-0.2	266.4	1.0	958
1028	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	-0.2	267.8	1.0	958
1029	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	-0.3	267.8	1.0	958
1030	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	0.0	269.6	1.0	958
1031	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	-0.1	269.6	1.0	958
1032	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	0.0	268.9	1.0	958
1033	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	-0.1	268.9	1.0	958
1034	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	0.0	270.8	1.0	958
1035	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	-0.9	269.6	1.0	958
1036	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	0.0	269.9	1.0	958
1037	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	-0.5	269.4	1.0	958
1038	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	0.0	269.3	1.0	958
1039	NW_0504	0.5	0.5	0.5	0.0	0.5	0.5	-0.2	268.4	1.0	958
1040	NW_0624	0.625	0.625	0.625	0.0	0.625	0.625	0.0	208.1	3.2	360
1041	NW_0754	0.75	0.75	0.75	0.0	0.75	0.75	0.0	166.5	0.2	360
1042	NW_0874	0.875	0.875	0.875	0.0	0.875	0.875	-0.2	63.5	4.9	360
1043	NW_1004	1.0	1.0	1.0	0.0	1.0	1.0	0.1	54.5	6.4	360
1044	NW_0004	0.0	0.0	0.0	0.0	0.0	0.0	0.0	271.7	1.0	958
1045	NW_0124	0.125	0.125	0.125	0.0	0.125	0.125	-0.7	266.3	1.0	958
1046	NW_0254	0.25	0.25	0.25	0.0	0.25	0.25	0.0	269.2	1.0	958
1047	NW_0374	0.375	0.375	0.375	0.0	0.375	0.375	-0.1	269.8	1.0	958
1048	NW_0404	0.4	0.4	0.4	0.0	0.4	0.4	0.0	273.6	2.6	360
1049	NW_0534	0.533	0.533	0.533	0.0	0.533	0.533	-0.8	275.3	1.9	360
1050	NW_0664	0.666	0.666	0.666	0.0	0.666	0.666	0.0	275.3	1.9	360
1051	NW_0794	0.794	0.794	0.794	0.0	0.794	0.794	-1.1	270.4	2.2	360
1052	NW_0804	0.8	0.8	0.8	0.0	0.8	0.8	0.0	274.3	3.7	360

input: rgb/cmyk -> rgba
output: transfer to cmykd

PN190-7N, 21/22-F

5-0032030-F0

TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
application for measurement of laser printer output, separation cmyn6 (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmetrik/PN19/PN19L0NA.TXT> /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/22

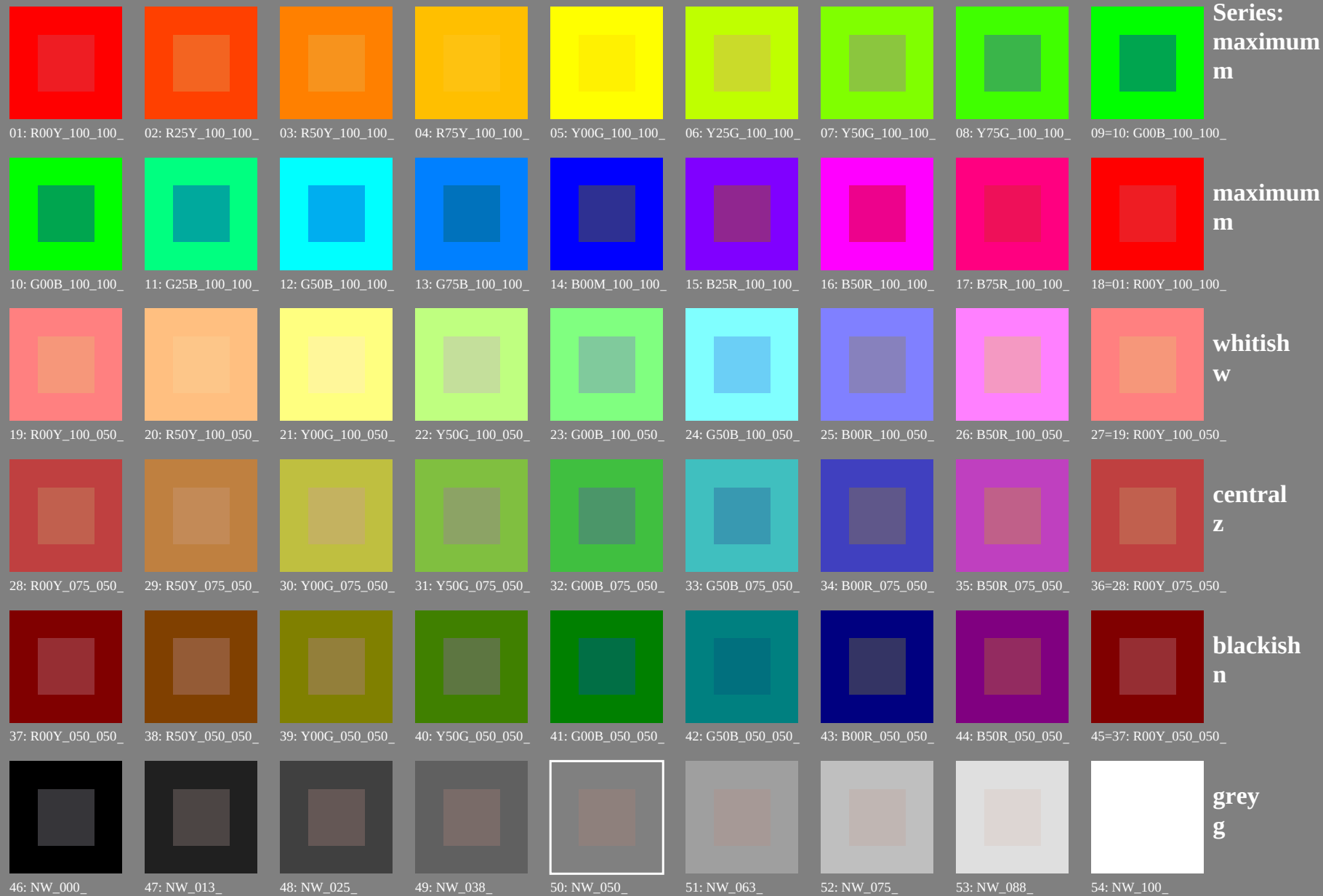
n	HCh*Fd	rgb_Fd	ic*_Fd	h*_Fd	rgb*_Fd	LabCh*_Fd	h*_Fd	rgb*_Fd	LabCh*_Fd	DE*Fd	h*_d	rgb*_d	LabCh*_d
1053	NW_086q	0.866	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	360	1.0	95.8
1054	NW_093d	0.933	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	360	1.0	95.8
1055	NW_100d	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1056	NW_000q	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1057	NW_006q	0.066	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	360	1.0	95.8
1058	NW_013q	0.133	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	360	1.0	95.8
1059	NW_020q	0.2	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	360	1.0	95.8
1060	NW_026q	0.266	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	360	1.0	95.8
1061	NW_033d	0.333	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1062	NW_040q	0.4	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	360	1.0	95.8
1063	NW_046q	0.466	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	360	1.0	95.8
1064	NW_053d	0.533	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	360	1.0	95.8
1065	NW_060q	0.6	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	360	1.0	95.8
1066	NW_066q	0.666	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	360	1.0	95.8
1067	NW_073d	0.734	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	360	1.0	95.8
1068	NW_080q	0.8	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	360	1.0	95.8
1069	NW_086q	0.866	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	360	1.0	95.8
1070	NW_093d	0.933	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	360	1.0	95.8
1071	NW_100q	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1072	NW_000q	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1073	ROY_100_100d	1.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1074	G50C_100_100d	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	360	1.0	95.8
1075	Y06C_100_100d	0.0	1.0	1.0	1.0	47.5	57.2	37.8	37.8	4.4	360	1.0	95.8
1076	B06C_100_100d	1.0	0.0	0.0	0.0	53.1	-30.0	-43.1	-43.1	4.4	360	1.0	95.8
1077	R06C_100_100d	0.0	1.0	1.0	1.0	91.5	-15.8	84.6	84.6	4.4	360	1.0	95.8
1078	B06C_100_100d	0.0	0.0	1.0	1.0	24.5	16.9	44.6	44.6	4.4	360	1.0	95.8
1079	B50C_100_100d	0.0	1.0	1.0	1.0	54.3	67.6	30.8	30.8	4.4	360	1.0	95.8

delta E* = 3.0

input: rgb/cmyk -> rgbd
output: transfer to cmykd

TUB-test chart PN19; colour rendering
colors and differences, ΔE^* , 3D=0, de=0, cmyk

Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK)



see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
application for measurement of laser printer output

TUB material: code=rha4ta

Test chart 1 for color rendering: 54 standard colours for D65; laser printer (CMYK); $rgb \rightarrow rgb^*e$



Series:
maximum
m

maximum
m

whitish
w

central
z

blackish
n

grey
g

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS
application for measurement of laser printer output, separation cmykn6 (CMYK)

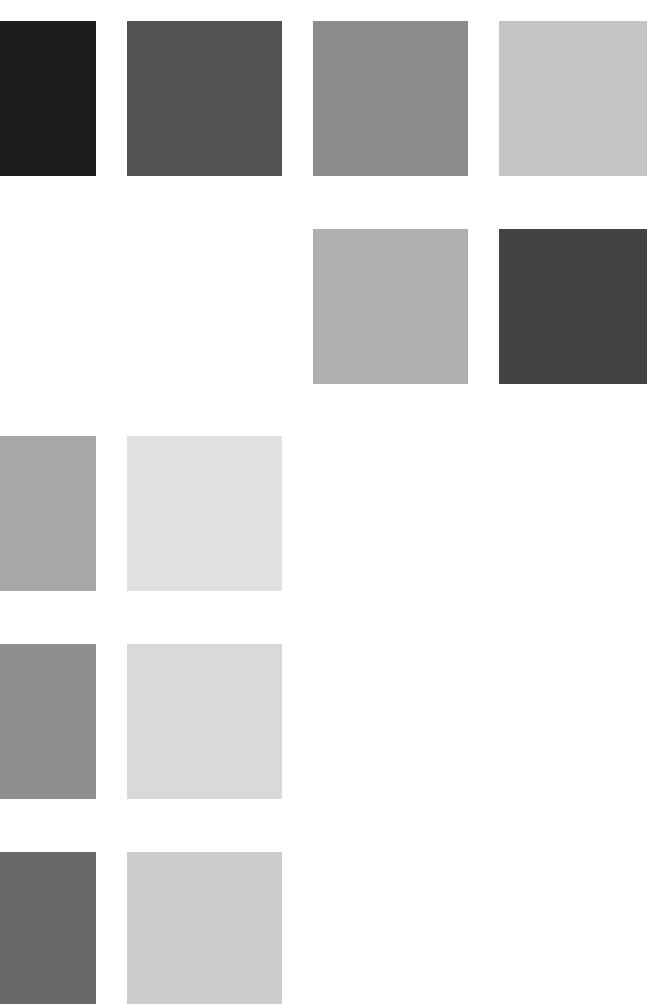
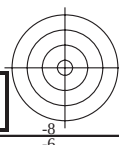
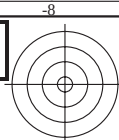
TUB material: code=rha4ta

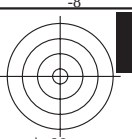
TUB registration: 20130201-PN19/PN19L0NA.TXT /.PS TUB material: code=rh4ta
+ application for measurement of laser printer output, separation cmyk6 (CMYK)

—see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart PN19; colour rendering
54 standard colors, 3D=0, de=1, *cmyk*

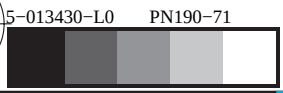
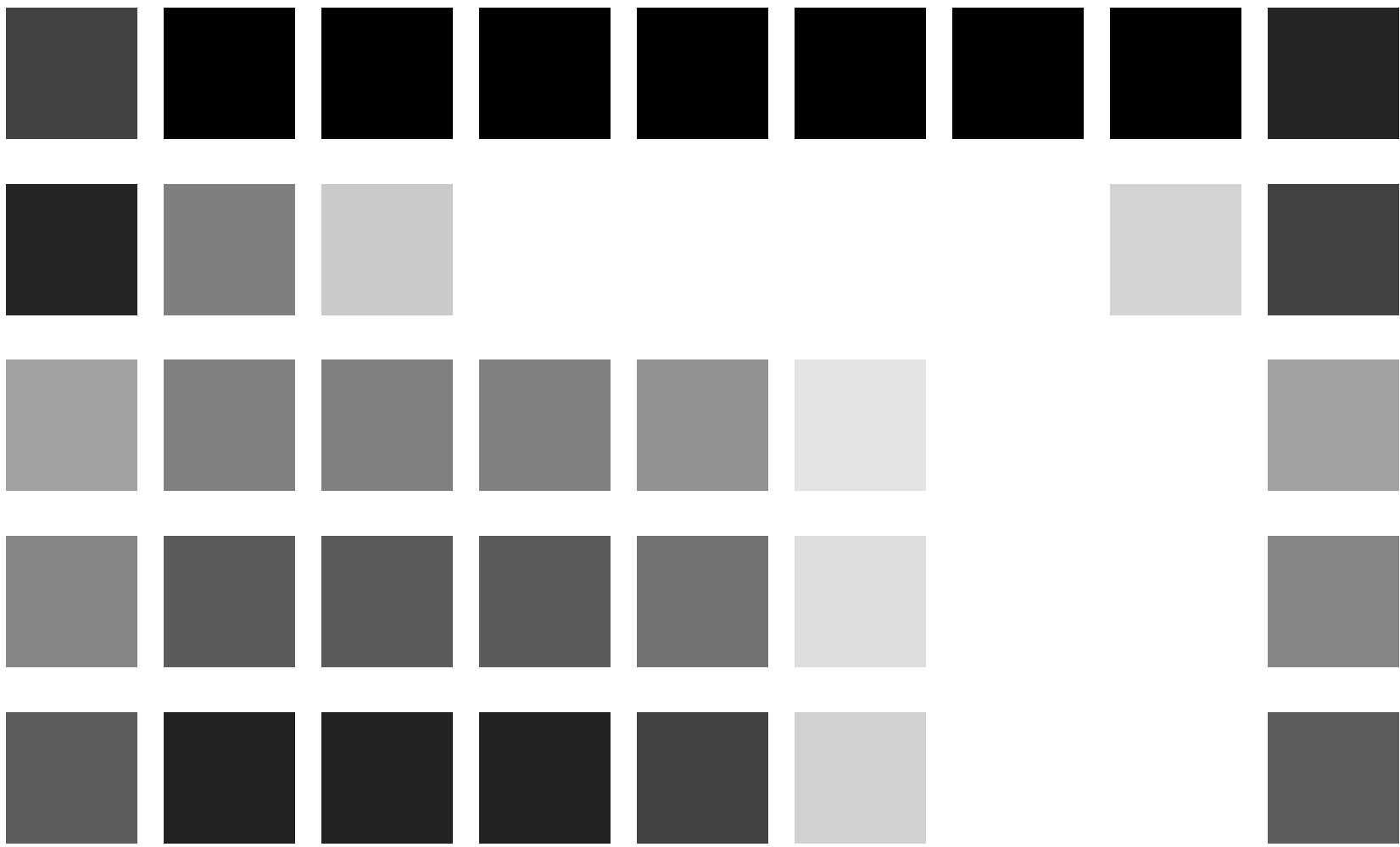
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$





http://130.149.60.45/~farbmetrik/PN19/PN19L0NA.TXT /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/22

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



TUB-test chart PN19; colour rendering
54 standard colors, 3D=0, de=1, cmyk

input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$





TUB material: code=rha4ta
cmyn6 (CMYK)

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

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cmv/k

[illegible]



TUB material: code=rha4ta
myn6 (CMYK)

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, *cmk*
input: *rgb/cmyk* - > *rgbe*
output: transfer to *cmyke*

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cmvk

2N190-7N 10/22-E

2N190-7N 10/22-E

n	HIC ^{Fe}	rgb^{Fe}	lct^{Fe}	hs_{α}^{Fe}	rgb^{Fe}	$lctCh^{Fe}$	rgb^{Fe}	$lctCh^{Fe}$	DE^{Fe}	hs_{α}^{Fe}	rgb^{Fe}	$lctCh^{Fe}$																	
81	R00Y_012_012e	0.125	0.0	0.125	0.062	390	7.0	3.3	7.7	25.4	0.125	0.0	24.7	7.7	8.0	11.1	45.9	5.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4		
82	B50R_012_012e	0.125	0.125	0.125	0.062	390	1.0	-3.5	6.8	328.6	0.125	0.0	0.125	26.6	12.3	-6.3	13.8	332.7	7.1	305	0.584	0.0	0.0	38.5	46.7	-28.5	54.7	328.6	
83	B25R_025_025e	0.125	0.0	0.125	0.030	0.034	0.0	-10.4	12.1	300.1	0.125	0.0	0.125	25.7	13.6	-17.7	22.2	307.9	10.3	277	0.138	0.0	0.0	31.5	24.4	-41.9	48.5	300.1	
84	B15R_035_037e	0.125	0.0	0.375	0.187	289	0.0	-16.8	17.8	288.7	0.125	0.0	0.375	27.6	14.3	-24.2	28.1	300.5	10.1	269	0.014	0.0	0.0	32.8	16.1	-44.8	47.6	289.7	
85	B11R_050_050e	0.125	0.0	0.5	0.25	284	0.0	-22.9	23.7	285.0	0.125	0.0	0.5	29.0	21.5	-32.8	39.2	303.2	18.3	266	0.0	0.0	0.0	0.117	10.0	-46.4	47.4	285.0	
86	B09R_062_062e	0.125	0.0	0.625	0.312	281	0.0	-28.9	29.5	282.1	0.125	0.0	0.625	29.5	25.2	-36.3	44.2	304.2	20.4	263	0.0	0.0	0.0	0.115	10.0	-45.8	47.3	282.1	
87	B07R_075_075e	0.125	0.0	0.75	0.375	279	0.0	-35.0	35.6	280.2	0.125	0.0	0.75	30.6	25.9	-43.3	48.7	302.5	19.8	262	0.0	0.0	0.0	0.141	10.0	-46.7	47.5	280.2	
88	B06R_087_087e	0.125	0.0	0.875	0.437	278	0.0	-41.1	41.6	279.3	0.125	0.0	0.875	30.8	25.7	-49.1	48.7	301.3	19.3	261	0.0	0.0	0.0	0.155	10.0	-47.0	47.6	279.3	
89	B05R_100_100e	0.125	0.0	1.0	0.5	277	0.0	-47.2	47.7	278.3	0.125	0.0	1.0	31.6	23.6	-42.2	46.4	299.2	17.8	260	0.0	0.0	0.0	0.168	10.0	-47.2	47.7	278.3	
90	Y00G_012_012e	0.125	0.0	0.125	0.062	90	0.0	-3.3	9.6	9.2	0.125	0.0	0.125	32.9	5.2	-16.0	16.9	108.2	8.2	77	1.0	0.0	0.0	76.8	76.9	-47.2	47.7	92.3	
91	NW_005_012e	0.125	0.125	0.125	0.360	0.125	0.0	-6.0	6.0	271.7	0.125	0.125	0.125	27.8	2.1	-17.8	17.9	276.9	13.6	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
92	B00R_025_025e	0.125	0.125	0.375	0.25	270	0.124	0.157	25.5	34.5	0.1	0.125	0.125	27.8	2.1	-17.8	17.9	276.9	13.6	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
93	B00R_037_037e	0.125	0.125	0.375	0.25	270	0.124	0.157	25.5	34.5	0.1	0.125	0.125	27.8	2.1	-17.8	17.9	276.9	13.6	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
94	B00R_050_050e	0.125	0.125	0.5	0.375	270	0.124	0.222	0.5	37.8	0.5	0.125	0.125	33.6	7.2	-30.1	31.0	283.5	14.0	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
95	B00R_062_062e	0.125	0.125	0.625	0.375	270	0.125	0.288	0.5	39.5	0.7	0.125	0.125	36.0	11.8	-35.5	37.4	287.9	15.9	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
96	B00R_075_075e	0.125	0.125	0.75	0.437	270	0.125	0.288	0.5	41.2	0.9	0.125	0.125	37.8	12.8	-40.0	42.0	287.7	15.7	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
97	B00R_087_087e	0.125	0.125	0.875	0.437	270	0.125	0.332	0.875	42.9	1.1	0.125	0.125	38.5	15.8	-43.8	46.5	288.8	17.9	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
98	B00R_100_100e	0.125	0.125	1.0	0.875	0.562	270	0.125	0.332	44.6	1.2	0.125	0.125	34.1	17.5	-43.8	47.2	291.8	19.3	255	0.0	0.0	0.0	0.261	1.0	-48.6	48.7	271.7	
99	Y30G_025_012e	0.125	0.0	0.25	0.125	120	0.0	-10.4	13.7	17.2	127.2	0.125	0.0	36.4	11.3	17.0	21.6	127.9	4.4	119	0.5	0.0	0.0	71.0	-41.7	54.8	68.9	127.2	
100	G00B_025_012e	0.125	0.125	0.125	0.187	150	0.124	0.25	14.3	36.5	-8.2	0.2	0.125	0.125	37.3	-12.7	18.8	171.8	4.6	157	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
101	G50B_025_012e	0.125	0.25	0.125	0.187	210	0.124	0.25	22.3	38.7	-4.8	0.0	0.125	0.25	34.1	-10.5	-16.7	19.7	237.8	14.5	198	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
102	G75B_037_025e	0.125	0.25	0.375	0.25	240	0.124	0.296	0.273	36.8	-5.8	-3.1	0.125	0.25	36.2	-6.8	-24.4	25.4	234.2	18.8	227	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
103	G60B_062_037e	0.125	0.25	0.5	0.375	251	0.124	0.315	0.5	41.3	-5.1	-18.5	0.125	0.25	37.9	-3.1	-29.4	25.6	263.8	11.5	239	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
104	G60B_062_060e	0.125	0.25	0.625	0.375	256	0.125	0.342	0.625	42.7	-4.8	-24.7	0.125	0.25	40.5	-0.2	-32.8	26.8	269.6	9.3	244	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
105	G00B_075_062e	0.125	0.25	0.75	0.437	259	0.125	0.388	0.625	44.1	-3.8	-30.1	0.125	0.25	41.5	-2.5	-38.3	38.4	273.7	10.6	246	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
106	G00B_075_075e	0.125	0.25	0.875	0.437	261	0.125	0.388	0.625	47.1	-4.1	-30.8	0.125	0.25	42.7	-1.6	-42.5	42.4	280.1	10.6	246	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
107	G30B_100_087e	0.125	0.25	1.0	0.875	0.562	261	0.125	0.388	47.1	-4.1	-30.8	0.125	0.25	42.7	-1.6	-42.5	42.4	280.1	10.6	246	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
108	Y60G_037_027e	0.125	0.375	0.125	0.187	130	0.115	0.375	0.0	38.6	19.8	16.5	0.125	0.375	30.1	-24.1	44.9	36.7	147.2	11.5	132	0.308	1.0	0.0	63.4	-52.8	44.1	63.4	147.2
109	G00B_037_027e	0.125	0.375	0.25	0.25	150	0.124	0.375	0.161	40.3	-16.4	5.2	0.125	0.375	30.1	-24.1	44.9	36.7	147.2	11.5	132	0.308	1.0	0.0	63.4	-52.8	44.1	63.4	147.2
110	G50B_037_025e	0.125	0.375	0.25	0.25	210	0.124	0.375	0.322	40.6	-12.9	-7.1	0.125	0.375	32.5	-37.7	-18.6	-9.6	20.9	20.7	157	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
111	G75B_037_025e	0.125	0.375	0.375	0.25	210	0.124	0.375	0.322	40.6	-12.9	-7.1	0.125	0.375	32.5	-37.7	-18.6	-9.6	20.9	20.7	157	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
112	G65B_062_037e	0.125	0.375	0.5	0.375	230	0.124	0.5	0.375	43.8	-11.4	-15.9	0.125	0.375	42.5	-11.5	-28.8	31.0	248.1	12.9	209	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
113	G75B_062_050e	0.125	0.375	0.625	0.375	240	0.125	0.468	0.625	46.7	-11.6	-24.3	0.125	0.375	43.5	-8.6	-31.7	32.8	254.7	8.6	227	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
114	G80B_075_062e	0.125	0.375	0.75	0.437	247	0.125	0.479	0.75	48.2	-10.8	-31.0	0.125	0.375	44.9	-6.0	-36.4	36.9	260.5	7.9	235	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
115	G80B_087_075e	0.125	0.375	0.875	0.437	251	0.125	0.506	0.875	49.7	-10.3	-37.0	0.125	0.375	45.3	-4.2	-45.2	46.1	264.7	7.9	235	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
116	G76G_050_087e	0.125	0.375	1.0	0.875	0.562	254	0.125	0.531	51.1	-9.8	-43.2	0.125	0.375	1.0	39.2	-47.2	47.3	271.4	16.7	242	0.0	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
117	Y76G_050_087e	0.125	0.0	0.5	0.25	136	0.113	0.5	0.0	41.9	-29.1	19.6	0.125	0.5	0.0	41.4	-44.7	44.0	50.7	151.6	167	0.327	0.0	0.0	59.9	-58.2	39.3	70.2	145.9
118	G00B_050_037e	0.125	0.5	0.125	0.5	150	0.124	0.5	0.125	44.0	-24.7	7.9	0.125	0.5	0.125	42.7	-31.6	8.9	32.8	164.2	70	0.227	0.0	0.0	0.146	53.8	-65.9	21.1	68.9
119	G50B_050_037e	0.125	0.5	0.25	0.375	169	0.124	0.5	0.263	44.4	-21.4	7.1	0.125	0.5	0.25	43.1	-29.5	21.1	29.5	184.0	8.5	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
120	G34B_050_037e	0.125	0.5	0.375	0.312	191	0.124	0.5	0.343	44.6	-17.5	-6.2	0.125	0.5	0.375	44.4	-22.2	-17.9	28.6	118.8	12.6	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
121	G50B_050_037e	0.125	0.5	0.375	0.312	210	0.124	0.5	0.421	44.5	-14.5	-10.9	0.125	0.5	0.375	44.4	-22.2	-17.9	28.6	118.8	12.6	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
122	G61B_062_050e	0.125	0.5	0.625	0.375	224	0.125	0.625	0.599	47.7	-16.5	-19.5	0.125	0.5	0.625	47.3	-17.6	-27.9	33.0	237.6	17.3	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
123	G69B_075_062e	0.125	0.5	0.75	0.625	233	0.125	0.672	0.75	51.1	-17.4	-27.9	0.125	0.5	0.75	47.8	-14.4	-35.2	35.2	245.8	12.8	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
124	G75B_087_075e	0.125	0.5	0.875	0.437	240	0.125	0.639	0.875	53.7	-17.5	-36.4	0.125	0.5	0.875	48.0	-12.0	-43.4	45.0	254.0	9.4	0.0	0.0	0.146	53.8	-65.9	21.1	68.9	
125	G79B_100_075e	0.125	0.5	1.0	0.875	0.																							

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 11/22

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cmyk

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

[illegible]

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cm/yk

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

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 13/22

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, *cm/yk*
input: *rgb/cmyk* - > *rgbe*
output: transfer to *cm/yk_e*

[illegible]

see similar files: <http://130.149.60.45/~farbmetrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/22

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cmvk

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

HC*Fe	rgb*Fe	ict*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	rgb*Fe	DE*Fe	hsa*Fe	rgb*Fe	LabCh*Fe				
R00Y_062_062a	0.625	0.0	0.625	0.625	0.312	390	0.625	0.0	0.625	0.0	0.263	475	560	621	25.4
R00Y_062_062b	0.625	0.0	0.625	0.625	0.312	379	0.625	0.0	0.284	36.7	35.0	38.6	35.4	36.7	62.1
R11Y_062_062a	0.625	0.0	0.625	0.625	0.312	367	0.625	0.0	0.412	39.1	39.1	40.1	40.1	40.1	13.2
B60R_062_062a	0.625	0.0	0.625	0.625	0.312	353	0.625	0.0	0.562	39.1	41.2	40.1	40.1	40.1	58.3
B50R_062_062a	0.625	0.0	0.625	0.625	0.312	341	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B50R_062_062b	0.625	0.0	0.625	0.625	0.312	330	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B42R_075_075a	0.625	0.0	0.625	0.625	0.312	320	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B42R_075_075b	0.625	0.0	0.625	0.625	0.312	309	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B36R_062_062a	0.625	0.0	0.625	0.625	0.312	307	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B36R_062_062b	0.625	0.0	0.625	0.625	0.312	307	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B31R_100_100a	0.625	0.0	0.625	0.625	0.312	308	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
B31R_100_100b	0.625	0.0	0.625	0.625	0.312	308	0.625	0.0	0.625	35.2	34.6	35.2	35.2	35.2	66.0
R18Y_062_062a	0.625	0.0	0.625	0.625	0.312	41	0.625	0.0	0.625	0.038	1.0	40.3	34.0	46.6	43.8
R18Y_062_062b	0.625	0.0	0.625	0.625	0.312	41	0.625	0.0	0.625	0.038	1.0	40.3	34.0	46.6	43.8
R20Y_062_050a	0.625	0.0	0.625	0.625	0.312	390	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
R20Y_062_050b	0.625	0.0	0.625	0.625	0.312	390	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
R26Y_062_050a	0.625	0.0	0.625	0.625	0.312	44	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
R26Y_062_050b	0.625	0.0	0.625	0.625	0.312	44	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B61R_062_050a	0.625	0.0	0.625	0.625	0.312	360	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B61R_062_050b	0.625	0.0	0.625	0.625	0.312	360	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B40R_075_062a	0.625	0.0	0.625	0.625	0.312	330	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B40R_075_062b	0.625	0.0	0.625	0.625	0.312	330	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B34R_087_075a	0.625	0.0	0.625	0.625	0.312	319	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B34R_087_075b	0.625	0.0	0.625	0.625	0.312	319	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1
B39R_100_087a	0.625	0.0	0.625	0.625	0.312	305	0.625	0.0	0.625	0.125	0.125	44.2	28.5	28.7	62.1

n	H1C*Fe	rgb-Fe	ic1-Fe	hs1-Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	DF*Fe	hsM*	rgb*Me	LabCH*Me	
486	R00Y, 075, 075*	0.75	0.0	0.125	0.75	0.0	0.197	41.6	42.0	20.0	46.5	25.4
487	R35Y, 075, 075*	0.75	0.0	0.317	0.75	0.0	0.317	41.6	42.0	45.0	45.0	15.4
488	R00Y, 075, 075*	0.75	0.0	0.441	0.75	0.0	0.441	41.6	42.0	45.0	45.0	15.4
489	R00Y, 075, 075*	0.75	0.0	0.565	0.75	0.0	0.565	41.6	42.0	45.0	45.0	15.4
490	R00Y, 075, 075*	0.75	0.0	0.689	0.75	0.0	0.689	41.6	42.0	45.0	45.0	15.4
491	R00Y, 075, 075*	0.75	0.0	0.813	0.75	0.0	0.813	41.6	42.0	45.0	45.0	15.4
492	R00Y, 075, 075*	0.75	0.0	0.937	0.75	0.0	0.937	41.6	42.0	45.0	45.0	15.4
493	R00Y, 075, 075*	0.75	0.0	1.061	0.75	0.0	1.061	41.6	42.0	45.0	45.0	15.4
494	R00Y, 075, 075*	0.75	0.0	1.185	0.75	0.0	1.185	41.6	42.0	45.0	45.0	15.4
495	R00Y, 075, 075*	0.75	0.0	1.309	0.75	0.0	1.309	41.6	42.0	45.0	45.0	15.4
496	R00Y, 075, 075*	0.75	0.0	1.433	0.75	0.0	1.433	41.6	42.0	45.0	45.0	15.4
497	R00Y, 075, 075*	0.75	0.0	1.557	0.75	0.0	1.557	41.6	42.0	45.0	45.0	15.4
498	R00Y, 075, 075*	0.75	0.0	1.681	0.75	0.0	1.681	41.6	42.0	45.0	45.0	15.4
499	R00Y, 075, 075*	0.75	0.0	1.805	0.75	0.0	1.805	41.6	42.0	45.0	45.0	15.4
500	R00Y, 075, 075*	0.75	0.0	1.929	0.75	0.0	1.929	41.6	42.0	45.0	45.0	15.4
501	R00Y, 075, 075*	0.75	0.0	2.053	0.75	0.0	2.053	41.6	42.0	45.0	45.0	15.4
502	R00Y, 075, 075*	0.75	0.0	2.177	0.75	0.0	2.177	41.6	42.0	45.0	45.0	15.4
503	R00Y, 075, 075*	0.75	0.0	2.301	0.75	0.0	2.301	41.6	42.0	45.0	45.0	15.4
504	R00Y, 075, 075*	0.75	0.0	2.425	0.75	0.0	2.425	41.6	42.0	45.0	45.0	15.4
505	R00Y, 075, 075*	0.75	0.0	2.549	0.75	0.0	2.549	41.6	42.0	45.0	45.0	15.4
506	R00Y, 075, 075*	0.75	0.0	2.673	0.75	0.0	2.673	41.6	42.0	45.0	45.0	15.4
507	R00Y, 075, 075*	0.75	0.0	2.797	0.75	0.0	2.797	41.6	42.0	45.0	45.0	15.4
508	R00Y, 075, 075*	0.75	0.0	2.921	0.75	0.0	2.921	41.6	42.0	45.0	45.0	15.4
509	R00Y, 075, 075*	0.75	0.0	3.045	0.75	0.0	3.045	41.6	42.0	45.0	45.0	15.4
510	R00Y, 075, 075*	0.75	0.0	3.169	0.75	0.0	3.169	41.6	42.0	45.0	45.0	15.4
511	R00Y, 075, 075*	0.75	0.0	3.293	0.75	0.0	3.293	41.6	42.0	45.0	45.0	15.4
512	R00Y, 075, 075*	0.75	0.0	3.417	0.75	0.0	3.417	41.6	42.0	45.0	45.0	15.4
513	R00Y, 075, 075*	0.75	0.0	3.541	0.75	0.0	3.541	41.6	42.0	45.0	45.0	15.4
514	R00Y, 075, 075*	0.75	0.0	3.665	0.75	0.0	3.665	41.6	42.0	45.0	45.0	15.4
515	R00Y, 075, 075*	0.75	0.0	3.789	0.75	0.0	3.789	41.6	42.0	45.0	45.0	15.4
516	R00Y, 075, 075*	0.75	0.0	3.913	0.75	0.0	3.913	41.6	42.0	45.0	45.0	15.4
517	R00Y, 075, 075*	0.75	0.0	4.037	0.75	0.0	4.037	41.6	42.0	45.0	45.0	15.4
518	R00Y, 075, 075*	0.75	0.0	4.161	0.75	0.0	4.161	41.6	42.0	45.0	45.0	15.4
519	R00Y, 075, 075*	0.75	0.0	4.285	0.75	0.0	4.285	41.6	42.0	45.0	45.0	15.4
520	R00Y, 075, 075*	0.75	0.0	4.409	0.75	0.0	4.409	41.6	42.0	45.0	45.0	15.4
521	R00Y, 075, 075*	0.75	0.0	4.533	0.75	0.0	4.533	41.6	42.0	45.0	45.0	15.4
522	R00Y, 075, 075*	0.75	0.0	4.657	0.75	0.0	4.657	41.6	42.0	45.0	45.0	15.4
523	R00Y, 075, 075*	0.75	0.0	4.781	0.75	0.0	4.781	41.6	42.0	45.0	45.0	15.4
524	R00Y, 075, 075*	0.75	0.0	4.905	0.75	0.0	4.905	41.6	42.0	45.0	45.0	15.4
525	R00Y, 075, 075*	0.75	0.0	5.029	0.75	0.0	5.029	41.6	42.0	45.0	45.0	15.4
526	R00Y, 075, 075*	0.75	0.0	5.153	0.75	0.0	5.153	41.6	42.0	45.0	45.0	15.4
527	R00Y, 075, 075*	0.75	0.0	5.277	0.75	0.0	5.277	41.6	42.0	45.0	45.0	15.4
528	R00Y, 075, 075*	0.75	0.0	5.401	0.75	0.0	5.401	41.6	42.0	45.0	45.0	15.4
529	R00Y, 075, 075*	0.75	0.0	5.525	0.75	0.0	5.525	41.6	42.0	45.0	45.0	15.4
530	R00Y, 075, 075*	0.75	0.0	5.649	0.75	0.0	5.649	41.6	42.0	45.0	45.0	15.4
531	R00Y, 075, 075*	0.75	0.0	5.773	0.75	0.0	5.773	41.6	42.0	45.0	45.0	15.4
532	R00Y, 075, 075*	0.75	0.0	5.897	0.75	0.0	5.897	41.6	42.0	45.0	45.0	15.4
533	R00Y, 075, 075*	0.75	0.0	6.021	0.75	0.0	6.021	41.6	42.0	45.0	45.0	15.4
534	R00Y, 075, 075*	0.75	0.0	6.145	0.75	0.0	6.145	41.6	42.0	45.0	45.0	15.4
535	R00Y, 075, 075*	0.75	0.0	6.269	0.75	0.0	6.269	41.6	42.0	45.0	45.0	15.4
536	R00Y, 075, 075*	0.75	0.0	6.393	0.75	0.0	6.393	41.6	42.0	45.0	45.0	15.4
537	R00Y, 075, 075*	0.75	0.0	6.517	0.75	0.0	6.517	41.6	42.0	45.0	45.0	15.4
538	R00Y, 075, 075*	0.75	0.0	6.641	0.75	0.0	6.641	41.6	42.0	45.0	45.0	15.4
539	R00Y, 075, 075*	0.75	0.0	6.765	0.75	0.0	6.765	41.6	42.0	45.0	45.0	15.4
540	R00Y, 075, 075*	0.75	0.0	6.889	0.75	0.0	6.889	41.6	42.0	45.0	45.0	15.4
541	R00Y, 075, 075*	0.75	0.0	7.013	0.75	0.0	7.013	41.6	42.0	45.0	45.0	15.4
542	R00Y, 075, 075*	0.75	0.0	7.137	0.75	0.0	7.137	41.6	42.0	45.0	45.0	15.4
543	R00Y, 075, 075*	0.75	0.0	7.261	0.75	0.0	7.261	41.6	42.0	45.0	45.0	15.4
544	R00Y, 075, 075*	0.75	0.0	7.385	0.75	0.0	7.385	41.6	42.0	45.0	45.0	15.4
545	R00Y, 075, 075*	0.75	0.0	7.509	0.75	0.0	7.509	41.6	42.0	45.0	45.0	15.4
546	R00Y, 075, 075*	0.75	0.0	7.633	0.75	0.0	7.633	41.6	42.0	45.0	45.0	15.4
547	R00Y, 075, 075*	0.75	0.0	7.757	0.75	0.0	7.757	41.6	42.0	45.0	45.0	15.4
548	R00Y, 075, 075*	0.75	0.0	7.881	0.75	0.0	7.881	41.6	42.0	45.0	45.0	15.4
549	R00Y, 075, 075*	0.75	0.0	8.005	0.75	0.0	8.005	41.6	42.0	45.0	45.0	15.4
550	R00Y, 075, 075*	0.75	0.0	8.129	0.75	0.0	8.129	41.6	42.0	45.0	45.0	15.4
551	R00Y, 075, 075*	0.75	0.0	8.253	0.75	0.0	8.253	41.6	42.0	45.0	45.0	15.4
552	R00Y, 075, 075*	0.75	0.0	8.377	0.75	0.0	8.377	41.6	42.0	45.0	45.0	15.4
553	R00Y, 075, 075*	0.75	0.0	8.501	0.75	0.0	8.501	41.6	42.0	45.0	45.0	15.4
554	R00Y, 075, 075*	0.75	0.0	8.625	0.75	0.0	8.625	41.6	42.0	45.0	45.0	15.4
555	R00Y, 075, 075*	0.75	0.0	8.749	0.75	0.0	8.749	41.6	42.0	45.0	45.0	15.4
556	R00Y, 075, 075*	0.75	0.0	8.873	0.75	0.0	8.873	41.6	42.0	45.0	45.0	15.4
557	R00Y, 075, 075*	0.75	0.0	8.997	0.75	0.0	8.997	41.6	42.0	45.0	45.0	15.4
558	R00Y, 075, 075*	0.75	0.0	9.121	0.75	0.0	9.121	41.6	42.0	45.0	45.0	15.4
559	R00Y, 075, 075*	0.75	0.0	9.245	0.75	0.0	9.245	41.6	42.0	45.0	45.0	15.4
560	R00Y, 075, 075*	0.75	0.0	9.369	0.75	0.0	9.369	41.6	42.0	45.0	45.0	15.4
561	R00Y, 075, 075*	0.75	0.0	9.493	0.75	0.0	9.493	41.6	42.0	45.0	45.0	15.4
562	R00Y, 075, 075*	0.75	0.0	9.617	0.75	0.0	9.617	41.6	42.0	45.0	45.0	15.4
563	R00Y, 075, 075*	0.75	0.0	9.741	0.75	0.0	9.741	41.6	42.0	45.0	45.0	15.4
564	R00Y, 075, 075*	0.75	0.0	9.865	0.75	0.0	9.865	41.6	42.0	45.0	45.0	15.4
565	R00Y, 075, 075*	0.75	0.0	9.989	0.75	0.0	9.989	41.6	42.0	45.0	45.0	15.4
566	R00Y, 075, 075*	0.75	0.0	10.113	0.75	0.0	10.113	41.6	42.0	45.0	45.0	15.4

input: rgb/cmyk -> rgbe
output: transfer to cmyke

TUB-test chart PN19; colour rendering
colors and differences, ΔE^* , 3D=0, de=1, cmyk

n	HIC*Fe	rgb*Fe	ic*Fe	hs*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	rgb*Fe	rgb*Fe	LabCh*Fe	DF*Fe	hs*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe
567	R00Y_087_087a	0.875 0.0 0.125	0.875 0.875 0.437	390	0.875 0.0 0.23	44.5	49.0	23.3	54.3	25.4	31.6	60.2	0.0	43.6	51.3
568	R36Y_087_087a	0.875 0.0 0.125	0.875 0.875 0.437	382	0.875 0.0 0.357	44.5	50.3	23.3	54.3	25.4	31.6	60.2	0.0	43.6	51.3
569	R23Y_087_087a	0.875 0.0 0.375	0.875 0.875 0.437	374	0.875 0.0 0.608	44.5	52.4	7.0	52.9	7.0	26.3	51.3	0.0	43.6	51.3
570	R23Y_087_087b	0.875 0.0 0.375	0.875 0.875 0.437	365	0.875 0.0 0.608	44.5	52.4	7.0	52.9	7.0	26.3	51.3	0.0	43.6	51.3
571	B70K_087_087a	0.875 0.0 0.625	0.875 0.875 0.437	355	0.875 0.0 0.716	46.2	57.2	-7.7	57.8	352.3	1.4	55.6	0.0	43.6	51.3
572	B63K_087_087a	0.875 0.0 0.625	0.875 0.875 0.437	346	0.875 0.0 0.716	46.2	57.2	-7.7	57.8	352.3	1.4	55.6	0.0	43.6	51.3
573	B56K_087_087a	0.875 0.0 0.625	0.875 0.875 0.437	338	0.875 0.0 0.716	46.2	57.2	-7.7	57.8	352.3	1.4	55.6	0.0	43.6	51.3
574	B50K_087_087a	0.875 0.0 0.625	0.875 0.875 0.437	330	0.875 0.0 0.716	46.2	57.2	-7.7	57.8	352.3	1.4	55.6	0.0	43.6	51.3
575	B44K_100_100a	0.875 0.0 1.0	0.875 0.875 0.437	323	0.875 0.0 1.0	45.0	41.4	-34.1	52.6	341.9	1.4	55.6	0.0	43.6	51.3
576	R13Y_087_087a	0.875 0.125 0.125	0.875 0.875 0.437	38	0.875 0.011 0.0	45.0	41.4	-34.1	52.6	341.9	1.4	55.6	0.0	43.6	51.3
577	R0Y_087_087a	0.875 0.125 0.125	0.875 0.875 0.437	38	0.875 0.011 0.0	45.0	41.4	-34.1	52.6	341.9	1.4	55.6	0.0	43.6	51.3
578	R35Y_087_087a	0.875 0.125 0.375	0.875 0.875 0.437	381	0.875 0.125 0.445	50.6	42.0	20.0	46.5	25.4	31.6	60.2	0.0	43.6	51.3
579	R18Y_087_087a	0.875 0.125 0.375	0.875 0.875 0.437	375	0.875 0.125 0.566	50.6	42.0	20.0	46.5	25.4	31.6	60.2	0.0	43.6	51.3
580	R0Y_087_087a	0.875 0.125 0.375	0.875 0.875 0.437	375	0.875 0.125 0.566	50.6	42.0	20.0	46.5	25.4	31.6	60.2	0.0	43.6	51.3
581	B65K_087_087a	0.875 0.125 0.625	0.875 0.875 0.437	349	0.875 0.125 0.745	52.0	49.1	-6.8	49.6	352.0	1.4	55.6	0.0	43.6	51.3
582	B57K_087_087a	0.875 0.125 0.625	0.875 0.875 0.437	349	0.875 0.125 0.745	52.0	49.1	-6.8	49.6	352.0	1.4	55.6	0.0	43.6	51.3
583	B43K_100_100a	0.875 0.125 1.0	0.875 0.875 0.437	332	0.875 0.125 1.0	43.2	35.0	-21.4	41.0	328.0	1.4	55.6	0.0	43.6	51.3
584	B43K_100_100b	0.875 0.125 1.0	0.875 0.875 0.437	332	0.875 0.125 1.0	43.2	35.0	-21.4	41.0	328.0	1.4	55.6	0.0	43.6	51.3
585	R15Y_087_087a	0.875 0.25 0.125	0.875 0.875 0.437	39	0.875 0.12 0.0	43.7	43.7	43.7	33.2	43.3	31.6	60.2	0.0	43.6	51.3
586	R15Y_087_087b	0.875 0.25 0.125	0.875 0.875 0.437	39	0.875 0.12 0.0	43.7	43.7	43.7	33.2	43.3	31.6	60.2	0.0	43.6	51.3
587	R31Y_087_087a	0.875 0.25 0.375	0.875 0.875 0.437	390	0.875 0.25 0.534	56.7	36.4	8.5	37.4	31.3	31.6	60.2	0.0	43.6	51.3
588	R31Y_087_087b	0.875 0.25 0.375	0.875 0.875 0.437	390	0.875 0.25 0.534	56.7	36.4	8.5	37.4	31.3	31.6	60.2	0.0	43.6	51.3
589	B60K_087_087a	0.875 0.25 0.625	0.875 0.875 0.437	353	0.875 0.25 0.812	57.1	39.1	0.0	39.1	359.8	1.4	55.6	0.0	43.6	51.3
590	B60K_087_087b	0.875 0.25 0.625	0.875 0.875 0.437	353	0.875 0.25 0.812	57.1	39.1	0.0	39.1	359.8	1.4	55.6	0.0	43.6	51.3
591	B59K_087_087a	0.875 0.25 0.625	0.875 0.875 0.437	341	0.875 0.25 0.812	57.1	39.1	0.0	39.1	359.8	1.4	55.6	0.0	43.6	51.3
592	B50K_087_087a	0.875 0.25 0.625	0.875 0.875 0.437	341	0.875 0.25 0.812	57.1	39.1	0.0	39.1	359.8	1.4	55.6	0.0	43.6	51.3
593	B42K_100_100a	0.875 0.25 1.0	0.875 0.875 0.437	321	0.875 0.25 1.0	43.7	36.4	-8.5	37.4	31.3	31.6	60.2	0.0	43.6	51.3
594	B42K_100_100b	0.875 0.25 1.0	0.875 0.875 0.437	321	0.875 0.25 1.0	43.7	36.4	-8.5	37.4	31.3	31.6	60.2	0.0	43.6	51.3
595	R41Y_087_087a	0.875 0.375 0.125	0.875 0.875 0.437	55	0.875 0.253 0.0	54.2	36.1	48.5	60.5	63.3	16.9	39	0.0	43.6	51.3
596	R41Y_087_087b	0.875 0.375 0.125	0.875 0.875 0.437	55	0.875 0.253 0.0	54.2	36.1	48.5	60.5	63.3	16.9	39	0.0	43.6	51.3
597	R18Y_087_087a	0.875 0.375 0.375	0.875 0.875 0.437	41	0.875 0.288 0.25	58.0	35.0	27.1	44.3	37.0	25.4	31.6	0.0	43.6	51.3
598	R18Y_087_087b	0.875 0.375 0.375	0.875 0.875 0.437	41	0.875 0.288 0.25	58.0	35.0	27.1	44.3	37.0	25.4	31.6	0.0	43.6	51.3
599	R26Y_087_087a	0.875 0.375 0.625	0.875 0.875 0.437	376	0.875 0.375 0.625	62.8	29.5	-5.1	29.9	9.9	31.3	31.6	0.0	43.6	51.3
600	R26Y_087_087b	0.875 0.375 0.625	0.875 0.875 0.437	376	0.875 0.375 0.625	62.8	29.5	-5.1	29.9	9.9	31.3	31.6	0.0	43.6	51.3
601	B61K_087_087a	0.875 0.375 0.625	0.875 0.875 0.437	344	0.875 0.375 0.788	63.6	32.7	-4.5	33.1	352.0	1.4	55.6	0.0	43.6	51.3
602	B61K_087_087b	0.875 0.375 0.625	0.875 0.875 0.437	344	0.875 0.375 0.788	63.6	32.7	-4.5	33.1	352.0	1.4	55.6	0.0	43.6	51.3
603	R40K_100_100a	0.875 0.375 1.0	0.875 0.875 0.437	319	0.875 0.375 1.0	57.5	24.2	-21.6	34.2	318.1	1.4	55.6	0.0	43.6	51.3
604	R58Y_087_087a	0.875 0.5 0.125	0.875 0.875 0.437	65	0.875 0.366 0.0	59.9	25.4	53.2	59.0	64.4	14.1	57.3	0.0	43.6	51.3
605	R58Y_087_087b	0.875 0.5 0.125	0.875 0.875 0.437	65	0.875 0.366 0.0	59.9	25.4	53.2	59.0	64.4	14.1	57.3	0.0	43.6	51.3
606	R38Y_087_087a	0.875 0.5 0.375	0.875 0.875 0.437	53	0.875 0.393 0.125	62.7	27.4	34.0	43.6	51.1	58.8	13.2	0.0	43.6	51.3
607	R38Y_087_087b	0.875 0.5 0.375	0.875 0.875 0.437	53	0.875 0.393 0.125	62.7	27.4	34.0	43.6	51.1	58.8	13.2	0.0	43.6	51.3
608	R0Y_087_087a	0.875 0.5 0.625	0.875 0.875 0.437	390	0.875 0.429 0.375	64.6	27.4	23.8	36.3	41.0	68.6	15.1	0.0	43.6	51.3
609	R0Y_087_087b	0.875 0.5 0.625	0.875 0.875 0.437	390	0.875 0.429 0.375	64.6	27.4	23.8	36.3	41.0	68.6	15.1	0.0	43.6	51.3
610	B65K_087_087a	0.875 0.5 0.875	0.875 0.875 0.437	349	0.875 0.5 0.72	68.8	22.9	1.7	22.9	4.3	10.8	22.8	0.0	43.6	51.3
611	B38K_100_100a	0.875 0.5 1.0	0.875 0.875 0.437	316	0.875 0.5 1.0	64.6	18.2	-18.0	25.7	315.3	1.4	55.6	0.0	43.6	51.3
612	R73Y_087_087a	0.875 0.625 0.125	0.875 0.875 0.437	71	0.875 0.447 0.0	65.0	16.2	58.4	60.6	74.1	77.1	29.9	0.0	43.6	51.3
613	R68Y_087_087a	0.875 0.625 0.125	0.875 0.875 0.437	71	0.875 0.447 0.0	65.0	16.2	58.4	60.6	74.1	77.1	29.9	0.0	43.6	51.3
614	R61Y_087_087a	0.875 0.625 0.375	0.875 0.875 0.437	60	0.875 0.507 0.25	68.8	17.6	29.2	34.1	58.8	13.2	0.0	43.6	51.3	
615	R30Y_087_087a	0.875 0.625 0.375	0.875 0.875 0.437	60	0.875 0.507 0.25	68.8	17.6	29.2	34.1	58.8	13.2	0.0	43.6	51.3	
616	R31Y_087_087a	0.875 0.625 0.625	0.875 0.875 0.437	49	0.875 0.566 0.5	71.3	18.4	19.5	26.8	46.6	14.1	57.3	0.0	43.6	51.3
617	R0Y_087_087a	0.875 0.625 0.625	0.875 0.875 0.437	49	0.875 0.566 0.5	71.3	18.4	19.5	26.8	46.6	14.1	57.3	0.0	43.6	51.3
618	R50K_087_087a	0.875 0.625 0.875	0.875 0.875 0.437	390	0.875 0.625 0.875	75.2	16.6	14.0	6.6	15.5	25.4	31.6	0.0	43.6	51.3
619	R50K_087_087b	0.875 0.625 0.875	0.875 0.875 0.437	390	0.875 0.625 0.875	75.2	16.6	14.0	6.6	15.5	25.4	31.6	0.0	43.6	51.3
620	B34K_100_100a	0.875 0.625 1.0	0.875 0.875 0.437	311	0.875 0.625 1.0										

see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PN19/PN19L0NA.TXT /PS; transfer output N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 17/22

TUB-test chart PN19; colour rendering colors and differences. ΔE^* , 3D=0, de=1, cmv/k

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

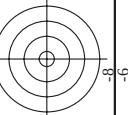
[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart PN19; colour rendering colors and differences. ΔE^* , 3D=0, de=1, cm/yk

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

n	HC-Fe	$rgb-Fe$	$ict-Fe$	$hs-Fe$	$rgb-Fe$	$LabCh-Fe$	$LabCh-Fe$	$rgb-Fe$	$rgb-Fe$	$LabCh-Fe$	DE^*_{Fe}	h_{size}	$rgb-Fe$	$LabCh-Fe$	$LabCh-Fe$
7230	NW_100c	0.0	1.0	1.0	0.0	95.8	0.0	0.0	0.0	96.1	0.0	178.6	0.2	360	0.0
7231	G50B_100.012c	0.875	1.0	1.0	0.125	0.937	90.7	-4.8	6.0	216.9	0.0	216.9	0.0	1.0	95.8
7232	G50B_100.025c	0.875	1.0	1.0	0.125	0.937	90.7	-4.8	6.0	216.9	0.0	216.9	0.0	1.0	95.8
7233	G50B_100.037c	0.625	1.0	1.0	0.375	0.812	80.5	-14.5	-10.9	18.1	216.9	0.0	1.0	95.8	
7234	G50B_100.050c	0.5	1.0	1.0	0.5	0.895	75.4	-19.3	-14.3	24.2	216.9	0.0	1.0	95.8	
7235	G50B_100.062c	0.375	1.0	1.0	0.625	0.687	70.3	-24.1	-18.2	30.2	216.9	0.0	1.0	95.8	
7236	G50B_100.075c	0.25	1.0	1.0	0.75	0.625	65.1	-29.0	-21.8	36.3	216.9	0.0	1.0	95.8	
7237	G50B_100.087c	0.125	1.0	1.0	0.875	0.562	60.0	-33.8	-25.5	42.3	216.9	0.0	1.0	95.8	
7238	G50B_100.100c	0.0	1.0	1.0	1.0	0.5	54.9	-38.7	-29.1	48.4	216.9	0.0	1.0	95.8	
7239	ROY_100.012c	0.0	1.0	1.0	1.0	0.0	89.8	7.0	3.3	7.7	25.4	0.0	1.0	95.8	
7240	NW_087c	0.875	0.875	1.0	0.875	0.937	89.8	7.0	3.3	7.7	25.4	0.0	1.0	95.8	
7241	G50B_087.012c	0.875	0.875	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.0	1.0	95.8	
7242	G50B_087.025c	0.625	0.875	0.875	0.875	0.875	81.7	-4.8	-3.6	6.0	216.9	0.0	1.0	95.8	
7243	G50B_087.037c	0.5	0.875	0.875	0.875	0.875	76.6	-9.6	-7.2	12.1	216.9	0.0	1.0	95.8	
7244	G50B_087.050c	0.375	0.875	0.875	0.875	0.875	71.5	-14.5	-10.9	18.1	216.9	0.0	1.0	95.8	
7245	G50B_087.062c	0.25	0.875	0.875	0.875	0.875	66.4	-19.3	-14.3	24.2	216.9	0.0	1.0	95.8	
7246	G50B_087.075c	0.125	0.875	0.875	0.875	0.875	61.3	-24.1	-18.2	30.2	216.9	0.0	1.0	95.8	
7247	G50B_087.087c	0.0	0.875	0.875	0.875	0.875	56.1	-29.0	-21.8	36.3	216.9	0.0	1.0	95.8	
7248	ROY_100.037c	0.0	0.875	0.875	0.875	0.875	51.0	-33.8	-25.5	42.3	216.9	0.0	1.0	95.8	
7249	ROY_100.087c	0.875	0.875	1.0	0.875	0.937	89.8	7.0	3.3	7.7	25.4	0.0	1.0	95.8	
7250	G50B_087.012c	0.875	0.75	0.75	0.875	0.812	80.8	7.0	3.3	7.7	25.4	0.0	1.0	95.8	
7251	G50B_075.012c	0.625	0.75	0.75	0.625	0.727	77.8	-4.8	-3.6	6.0	216.9	0.0	1.0	95.8	
7252	G50B_075.025c	0.5	0.75	0.75	0.5	0.687	72.7	-9.6	-7.2	12.1	216.9	0.0	1.0	95.8	
7253	G50B_075.037c	0.375	0.75	0.75	0.375	0.687	67.6	-14.5	-10.9	18.1	216.9	0.0	1.0	95.8	
7254	G50B_075.050c	0.25	0.75	0.75	0.25	0.687	62.5	-19.3	-14.3	24.2	216.9	0.0	1.0	95.8	
7255	G50B_075.062c	0.125	0.75	0.75	0.125	0.687	57.4	-24.1	-18.2	30.2	216.9	0.0	1.0	95.8	
7256	G50B_075.075c	0.0	0.75	0.75	0.0	0.687	52.3	-29.0	-21.8	36.3	216.9	0.0	1.0	95.8	
7257	ROY_100.037c	0.0	0.625	0.625	1.0	0.375	0.812	21.0	-10	12.8	12.8	12.8	1.0	95.8	
7258	ROY_087.025c	0.875	0.625	0.625	0.875	0.625	69.7	4.0	6.0	15.5	25.4	0.0	1.0	95.8	
7259	ROY_087.050c	0.875	0.625	0.625	0.875	0.625	64.6	7.0	3.3	7.7	25.4	0.0	1.0	95.8	
7260	ROY_087.075c	0.875	0.625	0.625	0.875	0.625	59.5	0.0	0.0	0.0	0.0	0.0	1.0	95.8	
7261	G50B_062.012c	0.375	0.625	0.625	0.375	0.625	58.6	-4.8	-3.6	6.0	216.9	0.0	1.0	95.8	
7262	G50B_062.037c	0.375	0.625	0.625	0.375	0.625	53.5	-9.6	-7.2	12.1	216.9	0.0	1.0	95.8	
7263	G50B_062.050c	0.125	0.625	0.625	0.125	0.625	48.4	-14.5	-10.9	18.1	216.9	0.0	1.0	95.8	
7264	G50B_062.062c	0.0	0.625	0.625	0.0	0.625	43.3	-19.3	-14.3	24.2	216.9	0.0	1.0	95.8	
7265	ROY_100.050c	1.0	0.5	0.5	1.0	0.5	41.6	-24.1	-18.2	30.2	216.9	0.0	1.0	95.8	
7266	ROY_087.037c	0.875	0.5	0.5	0.875	0.375	68.7	21.0	23.2	25.4	0.0	23.2	0.0	95.8	
7267	ROY_075.025c	0.875	0.5	0.5	0.875	0.375	63.7	14.0	15.5	25.4	0.0	23.2	0.0	95.8	
7268	ROY_062.012c	0.625	0.5	0.5	0.625	0.125	56.2	7.0	3.3	7.7	25.4	0.0	1.0	95.8	
7269	NW_050c	0.0	0.5	0.5	0.0	0.5	59.8	0.0	0.0	0.0	0.0	0.0	1.0	95.8	
7270	G50B_050.012c	0.375	0.5	0.5	0.125	0.437	54.7	-4.8	-3.6	6.0	216.9	0.0	1.0	95.8	
7271	G50B_050.025c	0.25	0.5	0.5	0.25	0.375	49.6	-9.6	-7.2	12.1	216.9	0.0	1.0	95.8	
7272	G50B_050.037c	0.125	0.5	0.5	0.375	0.312	44.5	-14.5	-10.9	18.1	216.9	0.0	1.0	95.8	
7273	G50B_050.050c	0.0	0.5	0.5	0.0	0.5	39.4	-19.3	-14.3	24.2	216.9	0.0	1.0	95.8	
7274	ROY_100.062c	1.0	0.375	0.375	1.0	0.375	39.6	16.7	38.8	25.4	0.0	37.5	1.0	95.8	
7275	ROY_087.050c	0.875	0.375	0.375	0.875	0.375	35.6	38.0	13.3	31.0	25.4	0.0	0.0	95.8	
7276	ROY_075.037c	0.875	0.375	0.375	0.875	0.375	30.6	28.0	17.0	23.2	25.4	0.0	0.0	95.8	
7277	ROY_062.025c	0.625	0.375	0.375	0.625	0.375	25.4	14.0	6.0	15.5	25.4	0.0	0.0	95.8	
7278	ROY_050.012c	0.375	0.375	0.375	0.375	0.375	20.4	5.7	3.3	7.7	25.4	0.0	0.0	95.8	
7279	NW_037c	0.375	0.375	0.375	0.375	0.375	15.5	0.0	0.0	0.0	0.0	0.0	1.0	95.8	
7280	G50B_037.012c	0.25	0.375	0.375	0.25	0.249	10.6	-4.8	-3.6	6.0	216.9	0.0	1.0	95.8	
7281	G50B_037.025c	0.125	0.375	0.375	0.125	0.249	5.6	-9.6	-7.2	12.1	216.9	0.0	1.0	95.8	
7282	G50B_037.037c	0.0	0.375	0.375	0.0	0.375	0.96	42.0	46.5	25.4	0.0	46.5	1.0	95.8	
7283	ROY_100.075c	1.0	0.25	0.25	1.0	0.25	40.7	38.0	16.7	38.8	25.4	0.0	0.0	95.8	
7284	ROY_087.062c	0.875	0.25	0.25	0.875	0.25	35.6	38.0	13.3	31.0	25.4	0.0	0.0	95.8	
7285	ROY_075.050c	0.875	0.25	0.25	0.875	0.25	30.6	28.0	17.0	23.2	25.4	0.0	0.0	95.8	
7286	ROY_062.037c	0.625	0.25	0.25	0.625	0.25	25.4	14.0	6.0	15.5	25.4	0.0	0.0	95.8	
7287	ROY_050.025c	0.375	0.25	0.25	0.375	0.25	20.4	5.7	3.3	7.7	25.4	0.0	0.0	95.8	
7288	ROY_037.012c	0.375	0.25	0.25	0.375	0.25	15.5	0.0	0.0	0.0	0.0	0.0	1.0	95.8	
7289	NW_025c	0.25	0.25	0.25	0.25	0.25	10.6	-4.8	-3.6	6.0	216.9	0.0	1.0	95.8	
7290	G50B_025.012c	0.125	0.25	0.25	0.125	0.187	21.0	0.0	0.0	0.0	0.0	0.0	1.0	95.8	
7291	G50B_025.025c	0.0	0.25	0.25	0.0	0.25	16.7	-9.6	-7.2	12.1	216.9	0.0	1.0	95.8	
7292	ROY_100.087c	1.0	0.125	0.125	1.0	0.125	12.1	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7293	ROY_087.075c	0.875	0.125	0.125	0.875	0.125	8.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7294	ROY_075.062c	0.75	0.125	0.125	0.75	0.125	3.3	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7295	ROY_062.050c	0.625	0.125	0.125	0.625	0.125	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7296	ROY_050.037c	0.375	0.125	0.125	0.375	0.125	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7297	ROY_037.025c	0.375	0.125	0.125	0.375	0.125	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7298	ROY_025.012c	0.25	0.125	0.125	0.25	0.125	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7299	NW_012c	0.125	0.125	0.125	0.125	0.125	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7300	G50B_012.012c	0.0	0.125	0.125	0.0	0.125	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7301	ROY_100.100c	1.0	0.0	0.0	1.0	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7302	ROY_087.087c	0.875	0.0	0.0	0.875	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7303	ROY_075.075c	0.75	0.0	0.0	0.75	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7304	ROY_062.062c	0.625	0.0	0.0	0.625	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7305	ROY_050.047c	0.375	0.0	0.0	0.375	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7306	ROY_037.037c	0.375	0.0	0.0	0.375	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7307	ROY_025.025c	0.25	0.0	0.0	0.25	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7308	ROY_012.012c	0.125	0.0	0.0	0.125	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	
7309	NW_000c	0.0	0.0	0.0	0.0	0.0	0.0	36.7	41.8	25.4	0.0	12.1	1.0	95.8	



TUB material: code=rha4ta

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

PN190-7N, 19/22-F

5-0131830-F0

technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

	HIC ^{Fe}	rgb ^{Fe}	izL ^{Fe}	hs _g ^{Fe}	rgb ^{Fe}	LadCh ^{Fe}	LadCh ^{Fe}	rgb ^{Fe}	DE ^{Fe}	hs _{an} ^{Fe}	rgb ^{Fe}	LadCh ^{Fe}	hs _{an} ^{Fe}	delta E ^{Fe} = 13.2
810	NW_100c	1.0	1.0	0.0	1.0	360	95.8	0.0	0.0	0.0	0.0	96.1	-0.1	0.1
811	BOOR_100.012c	0.875	0.875	1.0	0.875	270	88.5	0.1	-6.0	6.0	271.7	88.8	0.5	-7.8
812	BOOR_100.025c	0.75	0.75	1.0	0.875	270	81.2	0.3	-12.1	12.1	271.7	79.2	2.5	-15.9
813	BOOR_100.037c	0.625	0.625	1.0	0.375	0.812	73.8	0.1	-18.2	18.2	271.7	65.8	5.5	-26.3
814	BOOR_100.050c	0.5	0.5	1.0	0.5	0.75	66.5	0.7	-24.3	24.3	271.7	54.6	10.9	-37.9
815	BOOR_100.062c	0.375	0.375	1.0	0.625	0.687	59.2	0.9	-30.4	30.4	271.7	45.7	14.0	-48.7
816	BOOR_100.075c	0.25	0.25	1.0	0.75	0.625	51.9	1.1	-36.5	36.5	271.7	38.1	18.6	-61.2
817	BOOR_100.087c	0.125	0.125	1.0	0.875	0.562	44.6	1.2	-42.6	42.6	271.7	34.5	19.2	-67.8
818	BOOR_100.100c	0.0	0.0	1.0	1.0	0.5	37.3	1.4	-48.6	48.7	271.7	30.8	22.0	-74.4
819	BOOR_100.012c	1.0	0.875	1.0	0.125	0.937	94.3	-0.3	9.6	9.6	92.3	95.9	-3.8	9.4
820	NW_087c	0.875	0.875	0.875	0.875	360	87.5	0.875	0.0	0.0	0.0	87.5	0.875	0.0
821	BOOR_087.012c	0.75	0.75	0.875	0.875	270	78.5	0.1	-6.0	6.0	271.7	78.5	0.1	-11.7
822	BOOR_087.025c	0.625	0.625	0.875	0.875	270	72.2	0.3	-12.1	12.1	271.7	68.7	0.5	-20.8
823	BOOR_087.037c	0.5	0.5	0.875	0.875	270	64.8	0.5	-18.2	18.2	271.7	58.7	8.3	-30.9
824	BOOR_087.050c	0.375	0.375	0.875	0.875	270	57.5	0.7	-24.3	24.3	271.7	48.7	12.6	-43.7
825	BOOR_087.062c	0.25	0.25	0.875	0.875	270	49.2	0.9	-30.4	30.4	271.7	39.6	16.7	-51.2
826	BOOR_087.075c	0.125	0.125	0.875	0.875	270	40.2	1.1	-36.5	36.5	271.7	33.1	17.5	-48.7
827	BOOR_087.087c	0.0	0.875	0.875	0.875	270	32.8	1.2	-42.6	42.6	271.7	29.2	19.2	-67.8
828	YOOC_100.025c	1.0	1.0	0.875	0.875	360	92.7	-0.7	19.2	19.2	92.3	93.2	-0.7	19.2
829	YOOC_087.012c	0.875	0.875	0.75	0.875	270	85.3	-0.3	9.6	9.6	92.3	87.5	-0.3	9.6
830	NW_075c	0.75	0.75	0.75	0.75	360	77.8	0.0	0.0	0.0	0.0	77.8	0.0	0.0
831	BOOR_075.012c	0.625	0.625	0.75	0.625	270	63.3	0.1	-6.0	6.0	271.7	60.6	0.5	-12.1
832	BOOR_075.025c	0.5	0.5	0.75	0.625	270	55.8	0.5	-18.2	18.2	271.7	50.8	6.5	-27.4
833	BOOR_075.037c	0.375	0.375	0.75	0.5	270	48.5	0.7	-24.3	24.3	271.7	44.3	10.9	-39.1
834	BOOR_075.050c	0.25	0.25	0.75	0.375	270	41.9	0.9	-30.4	30.4	271.7	38.2	13.3	-49.2
835	BOOR_075.062c	0.125	0.125	0.75	0.625	270	33.9	1.1	-36.5	36.5	271.7	29.0	15.4	-61.2
836	BOOR_075.075c	0.0	0.625	0.75	0.875	270	25.8	1.2	-42.6	42.6	271.7	25.8	1.2	-42.6
837	YOOC_100.025c	1.0	1.0	0.875	0.875	360	92.7	-0.7	19.2	19.2	92.3	93.2	-0.7	19.2
838	YOOC_087.012c	0.875	0.875	0.75	0.875	270	85.3	-0.3	9.6	9.6	92.3	87.5	-0.3	9.6
839	NW_075c	0.75	0.75	0.75	0.75	360	77.8	0.0	0.0	0.0	0.0	77.8	0.0	0.0
840	BOOR_075.012c	0.625	0.625	0.75	0.625	270	63.3	0.1	-6.0	6.0	271.7	60.6	0.5	-12.1
841	BOOR_062.012c	0.5	0.5	0.625	0.625	360	66.2	0.0	0.0	0.0	0.0	66.2	0.0	0.0
842	BOOR_062.025c	0.375	0.375	0.625	0.625	270	54.2	0.1	-12.1	12.1	271.7	50.8	6.5	-27.4
843	BOOR_062.037c	0.25	0.25	0.625	0.625	270	46.8	0.5	-18.2	18.2	271.7	44.3	10.9	-39.1
844	BOOR_062.050c	0.125	0.125	0.625	0.625	270	39.5	0.7	-24.3	24.3	271.7	38.2	13.3	-49.2
845	BOOR_062.062c	0.0	0.625	0.625	0.625	312	32.0	0.9	-30.4	30.4	271.7	28.0	21.5	-65.0
846	YOOC_100.050c	1.0	1.0	0.5	1.0	0.884	85.1	0.0	38.4	38.4	92.3	85.1	0.0	38.4
847	YOOC_087.037c	0.875	0.875	0.5	0.875	270	82.2	-1.1	28.8	28.8	92.3	82.2	-1.1	28.8
848	YOOC_075.025c	0.75	0.75	0.75	0.75	360	77.8	0.0	0.0	0.0	0.0	77.8	0.0	0.0
849	YOOC_062.012c	0.625	0.625	0.5	0.625	256	67.3	-0.3	9.6	9.6	92.3	67.3	-0.3	9.6
850	NW_050c	0.5	0.5	0.5	0.5	360	55.0	0.5	59.8	59.8	0.0	55.0	0.5	59.8
851	BOOR_050.012c	0.375	0.375	0.5	0.375	270	43.7	0.1	-6.0	6.0	271.7	43.7	0.1	-6.0
852	BOOR_050.025c	0.25	0.25	0.5	0.25	270	35.2	0.3	-12.1	12.1	271.7	35.2	0.3	-12.1
853	BOOR_050.037c	0.125	0.125	0.5	0.375	0.312	27.0	0.5	-18.2	18.2	271.7	30.8	6.5	-27.4
854	BOOR_050.050c	0.0	0.5	0.5	0.5	0.25	27.0	0.5	-24.3	24.3	271.7	27.0	0.5	-24.3
855	BOOR_050.062c	1.0	1.0	0.375	1.0	0.625	68.7	0.0	48.0	48.0	92.3	68.7	0.0	48.0
856	YOOC_087.050c	0.875	0.875	0.375	0.875	270	80.7	-1.9	38.4	38.4	92.3	80.7	-1.9	38.4
857	YOOC_075.037c	0.75	0.75	0.375	0.75	0.375	68.2	-1.1	28.8	28.8	92.3	68.2	-1.1	28.8
858	YOOC_062.025c	0.625	0.625	0.25	0.625	360	63.3	-0.7	19.2	19.2	92.3	63.3	-0.7	19.2
859	NW_050.012c	0.5	0.5	0.5	0.5	360	55.0	0.5	59.8	59.8	0.0	55.0	0.5	59.8
860	BOOR_037.012c	0.375	0.375	0.375	0.375	360	37.3	0.2	6.0	6.0	271.7	37.3	0.2	6.0
861	BOOR_037.025c	0.25	0.25	0.375	0.375	270	29.2	0.3	-6.0	6.0	271.7	29.2	0.3	-6.0
862	BOOR_037.037c	0.125	0.125	0.375	0.375	270	21.8	0.5	-18.2	18.2	271.7	21.8	0.5	-18.2
863	BOOR_037.050c	0.0	0.375	0.375	0.375	270	14.3	0.7	-24.3	24.3	271.7	14.3	0.7	-24.3
864	YOOC_100.075c	1.0	1.0	0.25	1.0	0.875	85.2	0.0	38.4	38.4	92.3	85.2	0.0	38.4
865	YOOC_087.062c	0.875	0.875	0.25	0.875	270	80.7	-1.9	38.4	38.4	92.3	80.7	-1.9	38.4
866	YOOC_075.050c	0.75	0.75	0.25	0.75	0.375	68.2	-1.1	28.8	28.8	92.3	68.2	-1.1	28.8
867	YOOC_062.037c	0.625	0.625	0.25	0.625	270	64.2	-1.1	28.8	28.8	92.3	64.2	-1.1	28.8
868	YOOC_050.025c	0.5	0.5	0.25	0.5	0.442	56.8	-0.7	19.2	19.2	92.3	56.8	-0.7	19.2
869	YOOC_037.012c	0.375	0.375	0.25	0.375	270	34.6	0.3	9.6	9.6	92.3	34.6	0.3	9.6
870	NW_025c	0.25	0.25	0.25	0.25	360	22.5	0.0	0.0	0.0	0.0	22.5	0.0	0.0
871	BOOR_025.012c	0.125	0.125	0.25	0.125	270	14.3	0.1	-6.0	6.0	271.7	14.3	0.1	-6.0
872	BOOR_025.025c	0.0	0.125	0.25	0.25	270	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
873	YOOC_100.087c	1.0	1.0	0.125	1.0	0.875	85.2	0.0	38.4	38.4	92.3	85.2	0.0	38.4
874	YOOC_087.075c	0.875	0.875	0.125	0.875	270	80.7	-1.9	38.4	38.4	92.3	80.7	-1.9	38.4
875	YOOC_075.062c	0.75	0.75	0.125	0.75	0.605	72.2	-2.3	57.6	57.6	92.3	72.2	-2.3	57.6
876	YOOC_062.050c	0.625	0.625	0.125	0.625	270	62.7	-1.5	28.8	28.8	92.3	62.7	-1.5	28.8
877	YOOC_050.037c	0.5	0.5	0.125	0.5	0.413	55.2	-1.1	28.8	28.8	92.3	55.2	-1.1	28.8
878	YOOC_037.025c	0.375	0.375	0.125	0.375	270	31.2	0.4	9.6	9.6	92.3	31.2	0.4	9.6
879	YOOC_025.012c	0.25	0.25	0.125	0.25	270	22.5	0.0	0.0	0.0	0.0	22.5	0.0	0.0
880	NW_012c	0.125	0.125	0.125	0.125	360	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
881	BOOR_012.012c	0.0	0.125	0.125	0.125	270	6.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
882	YOOC_100.100c	1.0	1.0	0.0	1.0	0.5	37.3	1.4	-48.6	48.7	271.7	30.8	22.0	-74.4
883	YOOC_087.087c	0.875	0.875	0.0	0.875	0.875	85.2	-1.9	38.4	38.4	92.3	85.2	-1.9	38.4
884	YOOC_075.075c	0.75	0.75	0.0	0.75	0.375	68.2	-1.1	28.8	28.8	92.3	68.2	-1.1	28.8
885	YOOC_062.062c	0.625	0.625	0.0	0.625	0.625	64.2	-1.1	28.8	28.8	92.3	64.2	-1.1	28.8
886	YOOC_050.050c	0.5	0.5	0.0	0.5	0.384	53.7	-1.5	28.8	28.8	92.3	53.7	-1.5	28.8
887	YOOC_037.037c	0.375	0.375	0.0	0.375	0.375	37.3	0.2	6.0	6.0	271.7	37.3	0.2	6.0
888	YOOC_025.025c	0.25	0.25	0.0	0.25	270	10.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
889	YOOC_012.012c	0.125	0.125	0.0	0.125	270	6.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0
890	NW_100c	1.0	1.0	0.0	1.0	360	95.8	0.0	0.0	0.0	0.0	96.1	-0.1	0.1

see similar files: <http://130.149.60.45/~farbmatrik/PN19/PN19.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PN19/PN19LONA.TXT /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/22

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cm/yk

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

[illegible]

n	HC*Fe	rgb_Fe	icr_Fe	hsa_Fa	rgb_Fe	LabCH*Fe	LabCH*Fe	rgb_Fe	DF*Fe	hsa_Fe	rgb_Fe	LabCH*Ne	LabCH*Ne
972	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	49.6	1.3	360	1.0	958
973	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	0.3	272.9	5.9	1.0	958
974	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-0.3	266.3	2.4	1.0	958
975	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-1.0	265.7	1.2	1.0	958
976	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-1.1	268.6	1.4	1.0	958
977	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-1.0	266.5	3.5	1.0	958
978	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	-0.6	266.9	4.6	1.0	958
979	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	-0.2	248.4	0.2	1.0	958
980	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	-0.1	233.6	0.2	1.0	958
981	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	320.1	3.1	1.0	958
982	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	-0.3	273.4	4.4	1.0	958
983	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-1.1	267.1	1.7	1.0	958
984	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-1.2	268.0	1.2	1.0	958
985	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-1.1	268.3	4.1	1.0	958
986	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-0.6	269.6	4.3	1.0	958
987	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	-0.2	264.1	5.1	1.0	958
988	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	0.0	206.3	0.2	1.0	958
989	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.1	60.9	0.5	1.0	958
990	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	283.8	3.9	1.0	958
991	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	-0.3	268.4	2.1	1.0	958
992	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-1.1	270.7	1.1	1.0	958
993	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-1.0	270.4	1.5	1.0	958
994	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-1.1	271.0	3.8	1.0	958
995	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-0.6	272.6	4.3	1.0	958
996	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	-0.2	278.6	5.0	1.0	958
997	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	-0.1	278.6	2.7	1.0	958
998	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	67.1	0.6	1.0	958
999	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	290.7	6.8	1.0	958
1000	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	-0.2	266.7	2.4	1.0	958
1001	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-0.8	267.9	1.2	1.0	958
1002	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-0.9	268.1	3.5	1.0	958
1003	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-0.5	268.1	4.1	1.0	958
1004	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-0.1	258.6	4.9	1.0	958
1005	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	0.0	162.0	0.3	1.0	958
1006	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	0.3	84.0	6.9	1.0	958
1007	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.2	63.9	8.8	1.0	958
1008	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	265.4	5.1	1.0	958
1009	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	-0.8	264.5	2.0	1.0	958
1010	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-1.3	265.5	1.4	1.0	958
1011	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-1.0	270.1	2.4	1.0	958
1012	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-1.2	267.1	2.6	1.0	958
1013	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-1.1	268.4	3.4	1.0	958
1014	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	-0.8	267.4	3.9	1.0	958
1015	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	-0.4	263.3	4.3	1.0	958
1016	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	216.7	3.9	1.0	958
1017	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	173.1	3.1	1.0	958
1018	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	0.2	69.9	5.2	1.0	958
1019	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	12.0	6.8	1.0	958
1020	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-0.9	267.1	4.2	1.0	958
1021	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-1.2	266.4	1.3	1.0	958
1022	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-1.3	267.8	2.3	1.0	958
1023	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	-1.1	269.6	2.2	1.0	958
1024	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	-1.3	268.9	4.1	1.0	958
1025	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	-1.1	270.8	3.8	1.0	958
1026	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	269.6	4.3	1.0	958
1027	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	-0.9	269.9	4.5	1.0	958
1028	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-0.2	269.3	4.4	1.0	958
1029	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-0.1	248.4	0.4	1.0	958
1030	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	208.1	3.2	1.0	958
1031	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	0.2	166.5	0.2	1.0	958
1032	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	0.1	63.5	4.9	1.0	958
1033	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	0.2	54.5	6.4	1.0	958
1034	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	-0.7	271.7	3.9	1.0	958
1035	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	266.3	1.4	1.0	958
1036	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	-1.1	269.8	2.0	1.0	958
1037	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	-0.8	273.6	2.6	1.0	958
1038	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	-1.1	275.3	1.9	1.0	958
1039	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	-1.0	270.4	2.2	1.0	958
1040	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	-0.9	274.3	3.7	1.0	958
1041	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	-0.8	273.0	4.5	1.0	958
1042	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	-0.4	271.3	4.5	1.0	958
1043	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	-0.3	279.0	4.3	1.0	958
1044	NW_000e	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	266.6	0.666	1.0	958
1045	NW_012e	0.125	0.125	0.125	0.125	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1046	NW_025e	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1047	NW_037e	0.375	0.375	0.375	0.375	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1048	NW_050e	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1049	NW_062e	0.625	0.625	0.625	0.625	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1050	NW_075e	0.75	0.75	0.75	0.75	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1051	NW_087e	0.875	0.875	0.875	0.875	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958
1052	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.666	0.666	1.0	958

input: rgb/cmyk -> rgbe
output: transfer to cmyke



TUB material: code=rha4ta
cmyn6 (CMYK)

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

TUB-test chart PN19; colour rendering colors and differences, ΔE^* , 3D=0, de=1, cmvk

n	HIC*Fe	rgb_Fe	lcr_Fe	hsa_Fe	rgb*Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DE*Fe	hsaMe	rgb*Me	LabCh*Me	
1053	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	4.4	360	1.0	1.0	0.0
1054	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	3.4	360	1.0	1.0	0.0
1055	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	278.1	3.4	360	1.0	0.0
1056	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	152.8	0.0	360	1.0	0.0
1057	NW_006e	0.066	0.066	0.066	0.066	0.066	0.066	0.066	83.2	5.6	360	1.0	0.0
1058	NW_013e	0.133	0.133	0.133	0.133	0.133	0.133	0.133	48.9	7.0	360	1.0	0.0
1059	NW_020e	0.2	0.2	0.2	0.2	0.2	0.2	0.2	268.2	4.4	360	1.0	0.0
1060	NW_026e	0.266	0.266	0.266	0.266	0.266	0.266	0.266	267.2	1.4	360	1.0	0.0
1061	NW_033e	0.333	0.333	0.333	0.333	0.333	0.333	0.333	1.7	360	1.0	1.0	0.0
1062	NW_040e	0.4	0.4	0.4	0.4	0.4	0.4	0.4	269.1	2.3	360	1.0	0.0
1063	NW_046e	0.466	0.466	0.466	0.466	0.466	0.466	0.466	273.2	1.4	360	1.0	0.0
1064	NW_053e	0.533	0.533	0.533	0.533	0.533	0.533	0.533	2.6	360	1.0	1.0	0.0
1065	NW_060e	0.6	0.6	0.6	0.6	0.6	0.6	0.6	268.9	3.2	360	1.0	0.0
1066	NW_066e	0.666	0.666	0.666	0.666	0.666	0.666	0.666	3.8	360	1.0	1.0	0.0
1067	NW_073e	0.734	0.734	0.734	0.734	0.734	0.734	0.734	271.9	3.8	360	1.0	0.0
1068	NW_080e	0.8	0.8	0.8	0.8	0.8	0.8	0.8	265.0	4.1	360	1.0	0.0
1069	NW_086e	0.866	0.866	0.866	0.866	0.866	0.866	0.866	3.9	360	1.0	1.0	0.0
1070	NW_093e	0.933	0.933	0.933	0.933	0.933	0.933	0.933	252.2	4.0	360	1.0	0.0
1071	NW_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	289.2	3.2	360	1.0	0.0
1072	NW_000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	331.9	0.1	360	1.0	0.0
1073	NW_006e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.1	4.6	360	1.0	0.0
1074	R00Y_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	284.6	0.2	360	1.0	0.0
1075	G50B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	35.5	13.5	375	0.0	0.0
1076	B00G_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	234.0	15.2	196	0.0	0.0
1077	B00R_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.5	17.8	175	0.0	0.0
1078	B00B_100_100e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	253.7	17.3	175	0.0	0.0
1079	B50R_100_100e	1.0	1.0	1.0	1.0	1.0	1.0	1.0	331.1	25.3	305	0.0	0.0
									249.1	26.3	305	0.584	0.0
									66.3	48.3	48.3	38.5	46.7
									-13.8	67.7	67.7	-28.5	54.7
									delta E** = 6.3				328.6