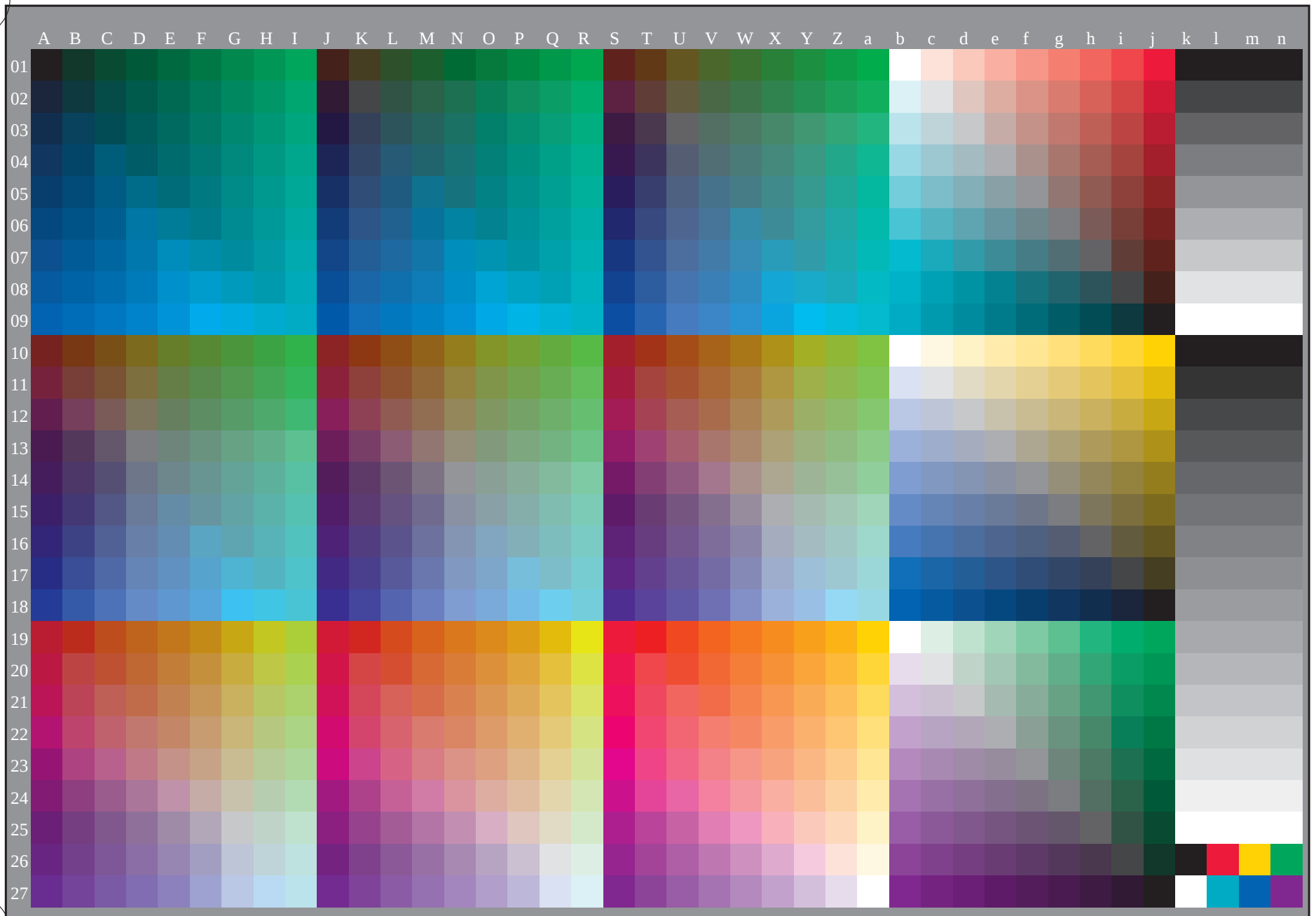


see similar files: <http://130.149.60.45/~farbmetrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013130-L0

PE450-71

TUB-test chart PE45; standard test chart
1080 standard colours, 3D=0, de=1, cmyk

input: *rgb/cmyk* -> *rgb_e*
output: transfer to *cmyk_e*

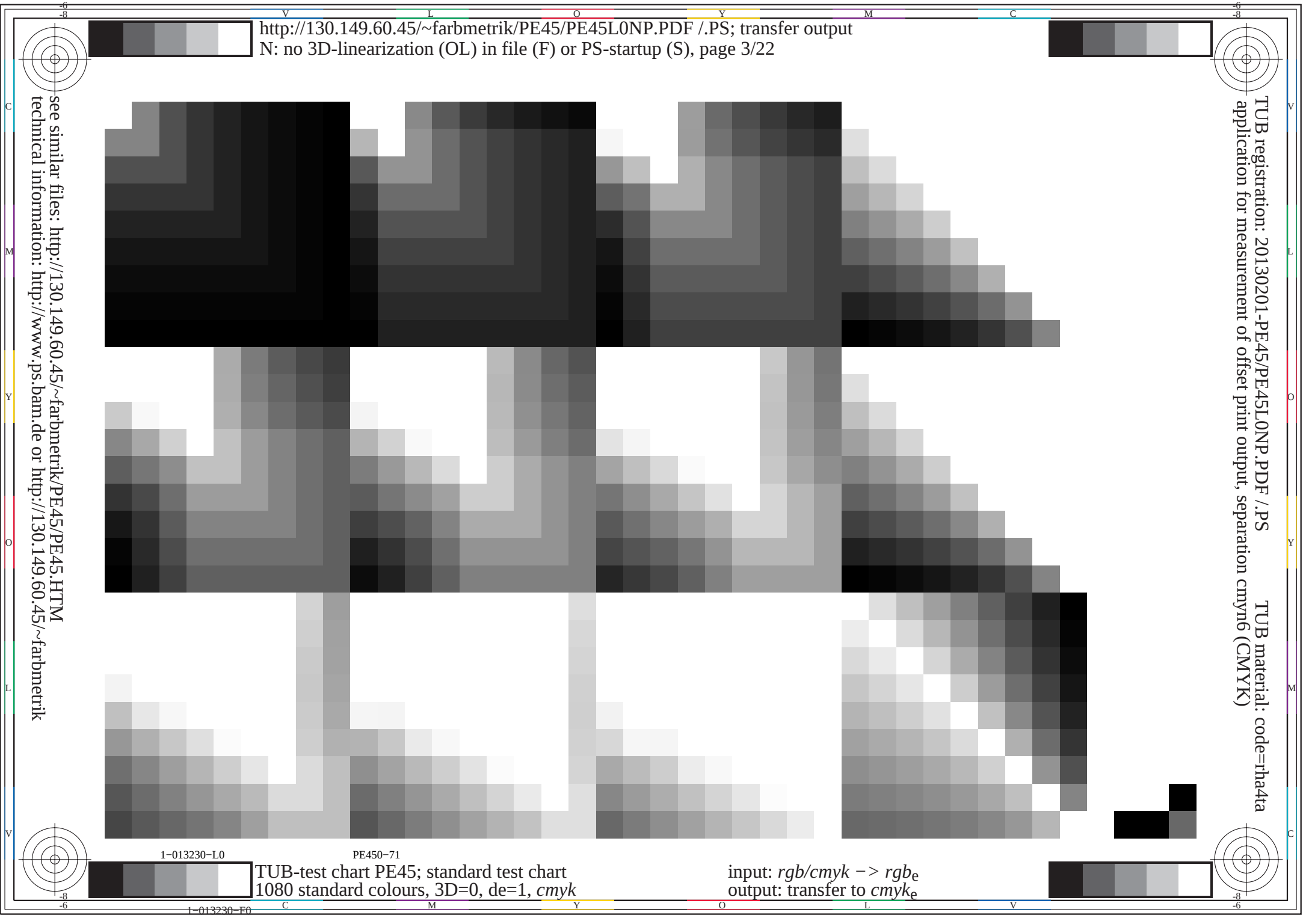
TUB registration: 20130201-PE45/PE45L0NP.PDF /.PS
application for measurement of offset print output, separation cmykn6 (CMYK)
TUB material: code=rha4ta

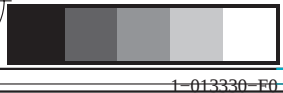
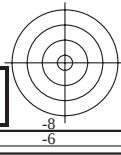
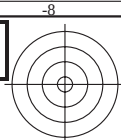
see similar files: <http://130.149.60.45/~farbmetrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

1-013230-L0

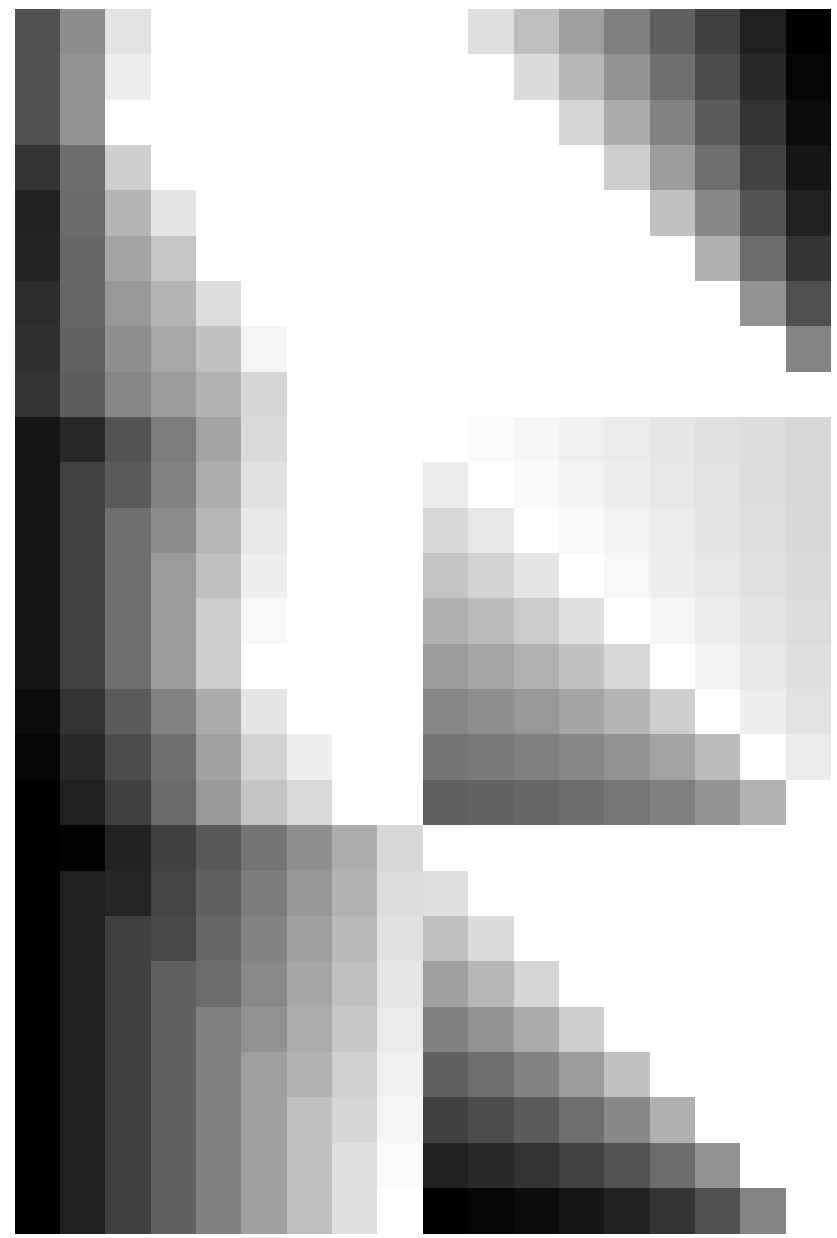
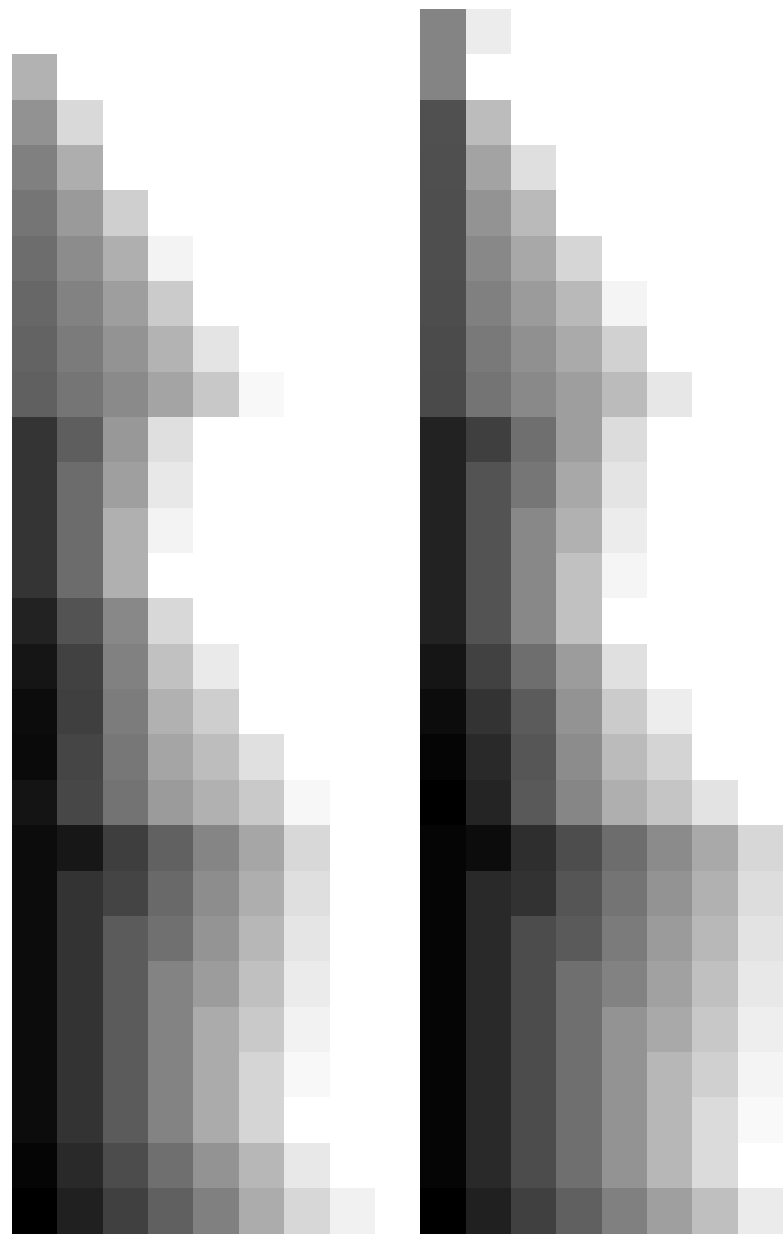
PE450-71

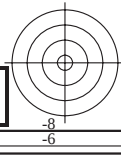
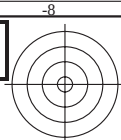
1-013230-E0



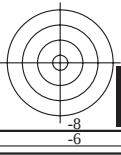
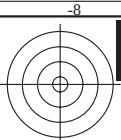


see similar files: <http://130.149.60.45/~farbmetrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

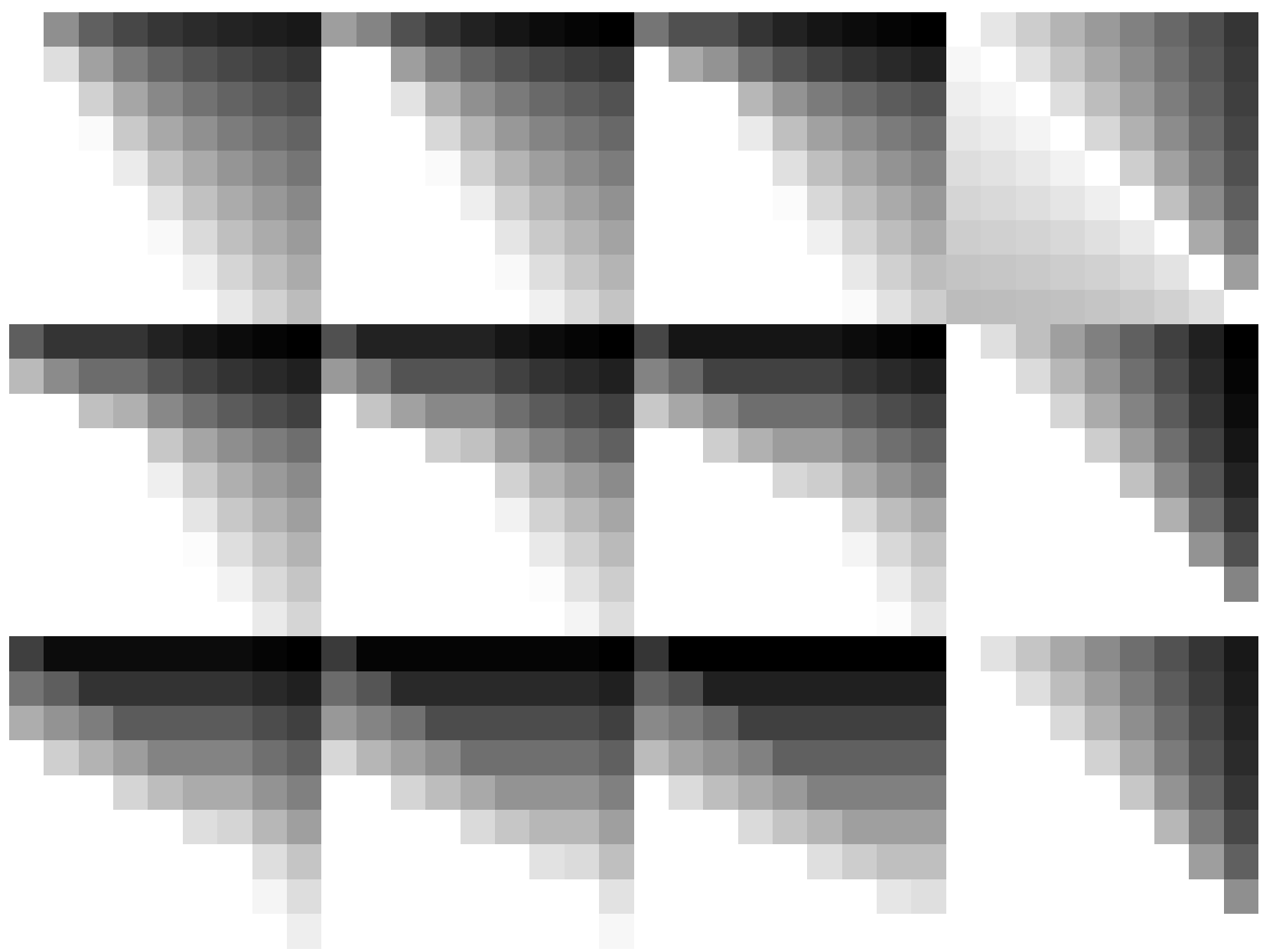




<http://130.149.60.45/~farbmetrik/PE45/PE45L0NP.PDF> /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/22



see similar files: <http://130.149.60.45/~farbmetrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>



1-013430-L0

PE450-71

TUB-test chart PE45; standard test chart
1080 standard colours, 3D=0, de=1, cmyk

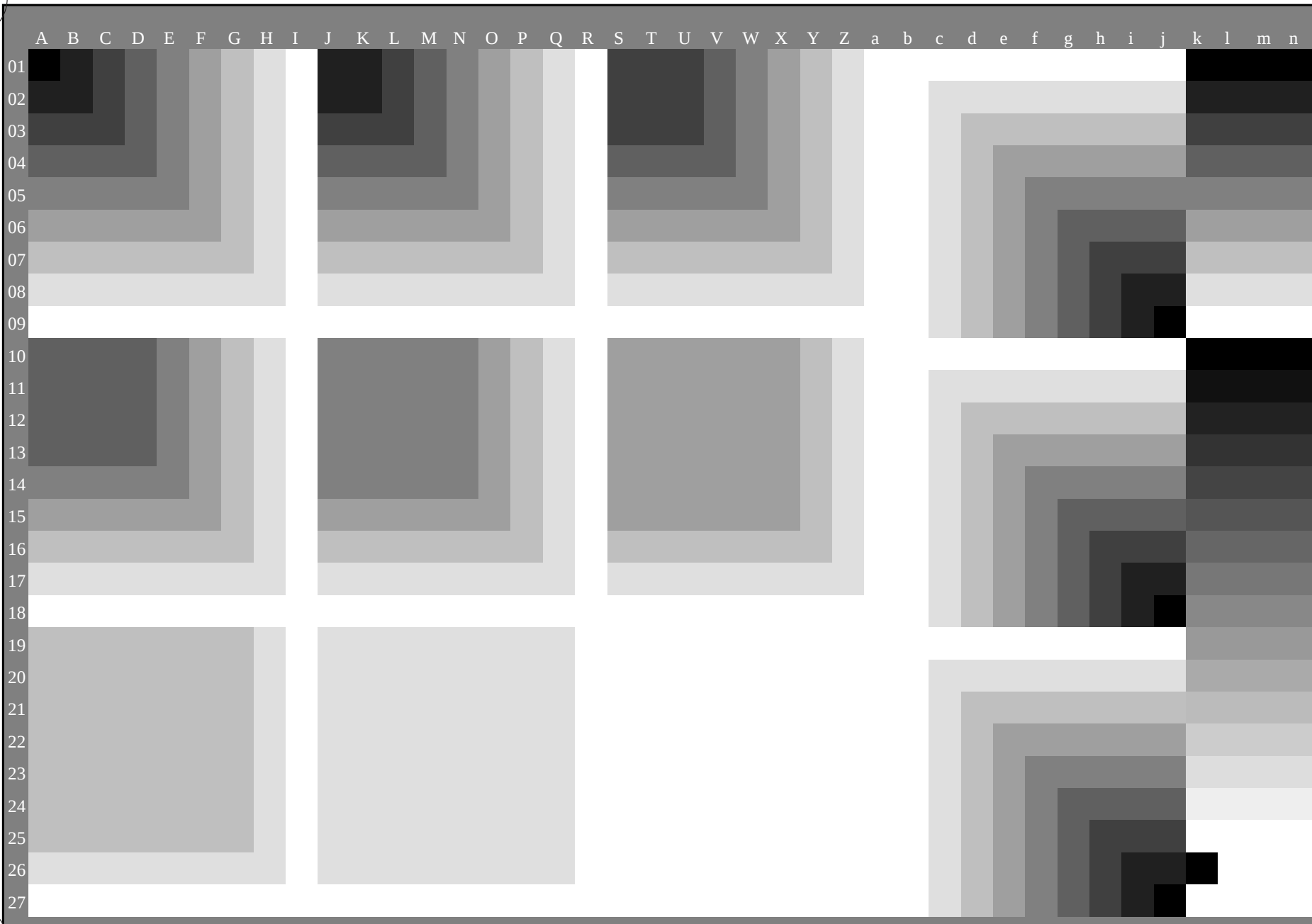
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

1-013430-E0



see similar files: <http://130.149.60.45/~farbmetrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE45/PE45L0NP.PDF /.PS TUB material: code=rha4ta
application for measurement of offset print output, separation cmyk6 (CMYK)



1-013530-L0

PE450-71

Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A-n): **rgb (A-n)**..

TUB-test chart PE45; standard test chart
1080 standard colours, 3D=0, de=1, *cmyk*

input: *rgb/cmyk* -> *rgb_e*
output: transfer to *cmyk_e*

1-013530-E0

C

<http://130.149.60.45/~farbmatrik/PE45/PE45LONP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 7/22

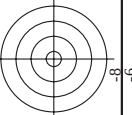
n/f		H*Ch*Fe	rgb_Fe	icr_Fe	hsa_Fa	rgb_Fe	LabCh*Fe	30.9	71.9	25.4	rgb_Fe	LabCh*Fe	DF*Fe	hsa_Fe	rgb_Fe	LabCh*Fe	25.4
0/648	R00Y_100_100c	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1/657	R13Y_100_100c	1.0	0.125	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/666	R25Y_100_100c	1.0	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3/675	R38Y_100_100c	1.0	0.375	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4/684	R50Y_100_100c	1.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/693	R63Y_100_100c	1.0	0.625	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6/702	R75Y_100_100c	1.0	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7/711	R88Y_100_100c	1.0	0.875	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/720	Y00C_100_100c	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9/639	Y13C_100_100c	0.875	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10/658	Y25C_100_100c	0.75	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/477	Y38C_100_100c	0.625	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12/396	Y50C_100_100c	0.5	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13/315	Y63C_100_100c	0.375	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14/234	Y75C_100_100c	0.25	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15/153	Y88C_100_100c	0.125	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16/72	G00C_100_100c	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17/73	G13C_100_100c	0.0	1.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18/74	G25C_100_100c	0.0	1.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19/75	G38C_100_100c	0.0	1.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20/76	G50C_100_100c	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21/77	G63C_100_100c	0.0	1.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22/78	G75C_100_100c	0.0	1.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23/79	G88C_100_100c	0.0	1.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24/80	C00B_100_100c	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25/71	C13B_100_100c	0.0	0.875	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26/62	C25B_100_100c	0.0	0.75	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27/63	C38B_100_100c	0.0	0.625	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28/44	C50B_100_100c	0.0	0.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29/35	C63B_100_100c	0.0	0.375	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30/26	C75B_100_100c	0.0	0.25	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31/17	C88B_100_100c	0.0	0.125	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32/8	B00M_100_100c	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33/89	B13M_100_100c	0.125	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34/170	B25M_100_100c	0.25	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35/251	B38M_100_100c	0.375	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36/332	B50M_100_100c	0.5	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37/413	B63M_100_100c	0.625	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38/494	B75M_100_100c	0.75	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39/575	B88M_100_100c	0.875	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40/656	M00R_100_100c	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41/655	M13R_100_100c	1.0	0.0	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42/654	M25R_100_100c	1.0	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43/653	M38R_100_100c	1.0	0.0	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44/652	M50R_100_100c	1.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45/651	M63R_100_100c	1.0	0.0	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/650	M75R_100_100c	1.0	0.0	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47/649	M88R_100_100c	1.0	0.0	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48/648	R00Y_100_100c	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49/0	NW_000c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/91	NW_012c	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125	0.125
51/182	NW_025c	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
52/273	NW_038c	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375	0.375
53/364	NW_050c	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
54/455	NW_063c	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625	0.625
55/546	NW_075c	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
56/637	NW_088c	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875	0.875
57/728	NW_100c	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

PE45-7N, Page 7/22-F

TUB-test chart PE45; standard test chart
colors and differences, ΔE^* , 3D=0, de=1, cmyk

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

Mean color difference of this page:
 $\Delta E^* = 17.3$



TUB material: code=rha4ta
nyn6 (CMYK)

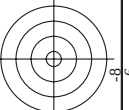
input: $rgb/cmyk \rightarrow rgb_e$
output: transfer to $cmyk_e$

TUB-test chart PE45; standard test chart
colors and differences, ΔE^* , $3D=0$, de=

PE450-7N, Page 8/22-F

see similar files: <http://130.149.60.45/~farbmetrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

[illegible]



TUB material: code=rha4ta
nyn6 (CMYK)

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

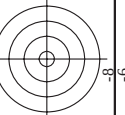
n	HfCr ³⁺ Fe	rgb ³⁺ Fe	ktCr ³⁺ Fe	h ₂ Cr ³⁺ Fe	rgb ³⁺ Fe	LaChCr ³⁺ Fe	rgb ³⁺ Fe	LaChCr ³⁺ Fe	DE ³⁺ Fe	h ₂ Cr ³⁺ Fe	rgb ³⁺ Fe	LaChCr ³⁺ Fe	
81e	0.125	0.0	0.125	0.125	0.062	330	0.0	0.062	21.4	8.1	3.8	8.9	25.4
82e	0.125	0.0	0.125	0.125	0.062	390	0.05	0.125	19.8	6.1	-3.7	7.2	328.6
83e	0.125	0.0	0.125	0.125	0.062	330	0.011	0.125	19.9	6.6	-11.4	13.2	300.1
84e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
85e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
86e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
87e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
88e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
89e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
90e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
91e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
92e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
93e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
94e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
95e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
96e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
97e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
98e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
99e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
100e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
101e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
102e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
103e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
104e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
105e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
106e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
107e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
108e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
109e	0.125	0.0	0.125	0.125	0.062	390	0.005	0.125	19.9	6.6	-11.4	13.2	300.1
110e	0.125	0.0											

mean color difference of this page: $\Delta E^* = 11.2$

5
3
2
0
0

Year	Cost	Total
1990	1.0	1.0
1991	1.0	2.0
1992	1.0	3.0
1993	1.0	4.0
1994	1.0	5.0
1995	1.0	6.0
1996	1.0	7.0
1997	1.0	8.0
1998	1.0	9.0
1999	1.0	10.0
2000	1.0	11.0
2001	1.0	12.0
2002	1.0	13.0
2003	1.0	14.0
2004	1.0	15.0
2005	1.0	16.0
2006	1.0	17.0
2007	1.0	18.0
2008	1.0	19.0
2009	1.0	20.0
2010	1.0	21.0
2011	1.0	22.0
2012	1.0	23.0
2013	1.0	24.0
2014	1.0	25.0
2015	1.0	26.0
2016	1.0	27.0
2017	1.0	28.0
2018	1.0	29.0
2019	1.0	30.0
2020	1.0	31.0
2021	1.0	32.0
2022	1.0	33.0
2023	1.0	34.0
2024	1.0	35.0
2025	1.0	36.0
2026	1.0	37.0
2027	1.0	38.0
2028	1.0	39.0
2029	1.0	40.0
2030	1.0	41.0
2031	1.0	42.0
2032	1.0	43.0
2033	1.0	44.0
2034	1.0	45.0
2035	1.0	46.0
2036	1.0	47.0
2037	1.0	48.0
2038	1.0	49.0
2039	1.0	50.0
2040	1.0	51.0
2041	1.0	52.0
2042	1.0	53.0
2043	1.0	54.0
2044	1.0	55.0
2045	1.0	56.0
2046	1.0	57.0
2047	1.0	58.0
2048	1.0	59.0
2049	1.0	60.0
2050	1.0	61.0
2051	1.0	62.0
2052	1.0	63.0
2053	1.0	64.0
2054	1.0	65.0
2055	1.0	66.0
2056	1.0	67.0
2057	1.0	68.0
2058	1.0	69.0
2059	1.0	70.0
2060	1.0	71.0
2061	1.0	72.0
2062	1.0	73.0
2063	1.0	74.0
2064	1.0	75.0
2065	1.0	76.0
2066	1.0	77.0
2067	1.0	78.0
2068	1.0	79.0
2069	1.0	80.0
2070	1.0	81.0
2071	1.0	82.0
2072	1.0	83.0
2073	1.0	84.0
2074	1.0	85.0
2075	1.0	86.0
2076	1.0	87.0
2077	1.0	88.0
2078	1.0	89.0
2079	1.0	90.0
2080	1.0	91.0
2081	1.0	92.0
2082	1.0	93.0
2083	1.0	94.0
2084	1.0	95.0
2085	1.0	96.0
2086	1.0	97.0
2087	1.0	98.0
2088	1.0	99.0
2089	1.0	100.0
2090	1.0	101.0
2091	1.0	102.0
2092	1.0	103.0
2093	1.0	104.0
2094	1.0	105.0
2095	1.0	106.0
2096	1.0	107.0
2097	1.0	108.0
2098	1.0	109.0
2099	1.0	110.0
2100	1.0	111.0
2101	1.0	112.0
2102	1.	

see similar files: <http://130.149.60.45/~farbmatrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>



TUB material: code=rha4ta
nyn6 (CMYK)

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

[illegible]

n	H1C*Fe	rgb*Fe	ic1*Fe	hs1*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	rgb*Fe	LabCH*Fe	DF*Fe	hs1*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe
324	324e	0.5	0.0	0.0	0.5	0.0	0.014	32.4	32.4	15.4	35.9	25.4	34.1	34.6
325	325e	0.5	0.0	0.0	0.5	0.0	0.029	32.7	34.4	15.4	35.9	25.4	34.1	34.6
326	326e	0.5	0.0	0.0	0.5	0.0	0.044	33.0	34.7	15.4	35.9	25.4	34.1	34.6
327	327e	0.5	0.0	0.0	0.5	0.0	0.059	33.3	35.0	15.4	35.9	25.4	34.1	34.6
328	328e	0.5	0.0	0.0	0.5	0.0	0.074	33.6	35.3	15.4	35.9	25.4	34.1	34.6
329	329e	0.5	0.0	0.0	0.5	0.0	0.089	33.9	35.6	15.4	35.9	25.4	34.1	34.6
330	330e	0.5	0.0	0.0	0.5	0.0	0.104	34.2	35.9	15.4	35.9	25.4	34.1	34.6
331	331e	0.5	0.0	0.0	0.5	0.0	0.119	34.5	36.2	15.4	35.9	25.4	34.1	34.6
332	332e	0.5	0.0	0.0	0.5	0.0	0.134	34.8	36.5	15.4	35.9	25.4	34.1	34.6
333	333e	0.5	0.0	0.0	0.5	0.0	0.149	35.1	36.8	15.4	35.9	25.4	34.1	34.6
334	334e	0.5	0.0	0.0	0.5	0.0	0.164	35.4	37.1	15.4	35.9	25.4	34.1	34.6
335	335e	0.5	0.0	0.0	0.5	0.0	0.179	35.7	37.4	15.4	35.9	25.4	34.1	34.6
336	336e	0.5	0.0	0.0	0.5	0.0	0.194	36.0	37.7	15.4	35.9	25.4	34.1	34.6
337	337e	0.5	0.0	0.0	0.5	0.0	0.209	36.3	38.0	15.4	35.9	25.4	34.1	34.6
338	338e	0.5	0.0	0.0	0.5	0.0	0.224	36.6	38.3	15.4	35.9	25.4	34.1	34.6
339	339e	0.5	0.0	0.0	0.5	0.0	0.239	36.9	38.6	15.4	35.9	25.4	34.1	34.6
340	340e	0.5	0.0	0.0	0.5	0.0	0.254	37.2	38.9	15.4	35.9	25.4	34.1	34.6
341	341e	0.5	0.0	0.0	0.5	0.0	0.269	37.5	39.2	15.4	35.9	25.4	34.1	34.6
342	342e	0.5	0.0	0.0	0.5	0.0	0.284	37.8	39.5	15.4	35.9	25.4	34.1	34.6
343	343e	0.5	0.0	0.0	0.5	0.0	0.299	38.1	39.8	15.4	35.9	25.4	34.1	34.6
344	344e	0.5	0.0	0.0	0.5	0.0	0.314	38.4	40.1	15.4	35.9	25.4	34.1	34.6
345	345e	0.5	0.0	0.0	0.5	0.0	0.329	38.7	40.4	15.4	35.9	25.4	34.1	34.6
346	346e	0.5	0.0	0.0	0.5	0.0	0.344	39.0	40.7	15.4	35.9	25.4	34.1	34.6
347	347e	0.5	0.0	0.0	0.5	0.0	0.359	39.3	41.0	15.4	35.9	25.4	34.1	34.6
348	348e	0.5	0.0	0.0	0.5	0.0	0.374	39.6	41.3	15.4	35.9	25.4	34.1	34.6
349	349e	0.5	0.0	0.0	0.5	0.0	0.389	39.9	41.6	15.4	35.9	25.4	34.1	34.6
350	350e	0.5	0.0	0.0	0.5	0.0	0.404	40.2	42.2	15.4	35.9	25.4	34.1	34.6
351	351e	0.5	0.0	0.0	0.5	0.0	0.419	40.5	42.5	15.4	35.9	25.4	34.1	34.6
352	352e	0.5	0.0	0.0	0.5	0.0	0.434	40.8	42.8	15.4	35.9	25.4	34.1	34.6
353	353e	0.5	0.0	0.0	0.5	0.0	0.449	41.1	43.1	15.4	35.9	25.4	34.1	34.6
354	354e	0.5	0.0	0.0	0.5	0.0	0.464	41.4	43.4	15.4	35.9	25.4	34.1	34.6
355	355e	0.5	0.0	0.0	0.5	0.0	0.479	41.7	43.7	15.4	35.9	25.4	34.1	34.6
356	356e	0.5	0.0	0.0	0.5	0.0	0.494	42.0	44.0	15.4	35.9	25.4	34.1	34.6
357	357e	0.5	0.0	0.0	0.5	0.0	0.509	42.3	44.3	15.4	35.9	25.4	34.1	34.6
358	358e	0.5	0.0	0.0	0.5	0.0	0.524	42.6	44.6	15.4	35.9	25.4	34.1	34.6
359	359e	0.5	0.0	0.0	0.5	0.0	0.539	42.9	44.9	15.4	35.9	25.4	34.1	34.6
360	360e	0.5	0.0	0.0	0.5	0.0	0.554	43.2	45.2	15.4	35.9	25.4	34.1	34.6
361	361e	0.5	0.0	0.0	0.5	0.0	0.569	43.5	45.5	15.4	35.9	25.4	34.1	34.6
362	362e	0.5	0.0	0.0	0.5	0.0	0.584	43.8	45.8	15.4	35.9	25.4	34.1	34.6
363	363e	0.5	0.0	0.0	0.5	0.0	0.599	44.1	46.1	15.4	35.9	25.4	34.1	34.6
364	364e	0.5	0.0	0.0	0.5	0.0	0.614	44.4	46.4	15.4	35.9	25.4	34.1	34.6
365	365e	0.5	0.0	0.0	0.5	0.0	0.629	44.7	46.7	15.4	35.9	25.4	34.1	34.6
366	366e	0.5	0.0	0.0	0.5	0.0	0.644	45.0	47.0	15.4	35.9	25.4	34.1	34.6
367	367e	0.5	0.0	0.0	0.5	0.0	0.659	45.3	47.3	15.4	35.9	25.4	34.1	34.6
368	368e	0.5	0.0	0.0	0.5	0.0	0.674	45.6	47.6	15.4	35.9	25.4	34.1	34.6
369	369e	0.5	0.0	0.0	0.5	0.0	0.689	45.9	47.9	15.4	35.9	25.4	34.1	34.6
370	370e	0.5	0.0	0.0	0.5	0.0	0.704	46.2	48.2	15.4	35.9	25.4	34.1	34.6
371	371e	0.5	0.0	0.0	0.5	0.0	0.719	46.5	48.5	15.4	35.9	25.4	34.1	34.6
372	372e	0.5	0.0	0.0	0.5	0.0	0.734	46.8	48.8	15.4	35.9	25.4	34.1	34.6
373	373e	0.5	0.0	0.0	0.5	0.0	0.749	47.1	49.1	15.4	35.9	25.4	34.1	34.6
374	374e	0.5	0.0	0.0	0.5	0.0	0.764	47.4	49.4	15.4	35.9	25.4	34.1	34.6
375	375e	0.5	0.0	0.0	0.5	0.0	0.779	47.7	49.7	15.4	35.9	25.4	34.1	34.6
376	376e	0.5	0.0	0.0	0.5	0.0	0.794	48.0	50.0	15.4	35.9	25.4	34.1	34.6
377	377e	0.5	0.0	0.0	0.5	0.0	0.809	48.3	50.3	15.4	35.9	25.4	34.1	34.6
378	378e	0.5	0.0	0.0	0.5	0.0	0.824	48.6	50.6	15.4	35.9	25.4	34.1	34.6
379	379e	0.5	0.0	0.0	0.5	0.0	0.839	48.9	50.9	15.4	35.9	25.4	34.1	34.6
380	380e	0.5	0.0	0.0	0.5	0.0	0.854	49.2	51.2	15.4	35.9	25.4	34.1	34.6
381	381e	0.5	0.0	0.0	0.5	0.0	0.869	49.5	51.5	15.4	35.9	25.4	34.1	34.6
382	382e	0.5	0.0	0.0	0.5	0.0	0.884	49.8	51.8	15.4	35.9	25.4	34.1	34.6
383	383e	0.5	0.0	0.0	0.5	0.0	0.899	50.1	52.1	15.4	35.9	25.4	34.1	34.6
384	384e	0.5	0.0	0.0	0.5	0.0	0.914	50.4	52.4	15.4	35.9	25.4	34.1	34.6
385	385e	0.5	0.0	0.0	0.5	0.0	0.929	50.7	52.7	15.4	35.9	25.4	34.1	34.6
386	386e	0.5	0.0	0.0	0.5	0.0	0.944	51.0	53.0	15.4	35.9	25.4	34.1	34.6
387	387e	0.5	0.0	0.0	0.5	0.0	0.959	51.3	53.3	15.4	35.9	25.4	34.1	34.6
388	388e	0.5	0.0	0.0	0.5	0.0	0.974	51.6	53.6	15.4	35.9	25.4	34.1	34.6
389	389e	0.5	0.0	0.0	0.5	0.0	0.989	51.9	53.9	15.4	35.9	25.4	34.1	34.6
390	390e	0.5	0.0	0.0	0.5	0.0	1.004	52.2	54.2	15.4	35.9	25.4	34.1	34.6
391	391e	0.5	0.0	0.0	0.5	0.0	1.019	52.5	54.5	15.4	35.9	25.4	34.1	34.6
392	392e	0.5	0.0	0.0	0.5	0.0	1.034	52.8	54.8	15.4	35.9	25.4	34.1	34.6
393	393e	0.5	0.0	0.0	0.5	0.0	1.049	53.1	55.1	15.4	35.9	25.4	34.1	34.6
394	394e	0.5	0.0	0.0	0.5	0.0	1.064	53.4	55.4	15.4	35.9	25.4	34.1	34.6
395	395e	0.5	0.0	0.0	0.5	0.0	1.079	53.7	55.7	15.4	35.9	25.4	34.1	34.6
396	396e	0.5	0.0	0.0	0.5	0.0	1.094	54.0	56.0	15.4	35.9	25.4	34.1	34.6
397	397e	0.5	0.0	0.0	0.5	0.0	1.109	54.3	56.3	15.4	35.9	25.4	34.1	34.6
398	398e	0.5	0.0	0.0	0.5	0.0	1.124	54.6	56.6	15.4	35.9	25.4	34.1	34.6
399	399e	0.5	0.0	0.0	0.5	0.0	1.139	54.9	56.9	15.4	35.9	25.4	34.1	34.6
400	400e	0.5	0.0	0.0	0.5	0.0	1.154	55.2	57.2	15.4	35.9	25.4	34.1	34.6
401	401e	0.5	0.0	0.0	0.5	0.0	1.169	55.5	57.5	15.4	35.9	25.4	34.1	34.6
402	402e	0.5	0.0	0.0	0.5	0.0	1.184	55.8	57.8	15.4	35.9	25.4	34.1	34.6
403	403e	0.5	0.0	0.0	0.5	0.0	1.199	56.1	58.1	15.4	35.9	25.4	34.1	34.6
404	404e	0.5	0.0	0.0	0.5	0.0	1.214	56.4	58.4	15.4	35.9	25.4	34.1	34.6

see similar files: <http://130.149.60.45/~farbmatrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PE45/PE45LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 14/22

TUB-test chart PE45; standard test chart
colors and differences, ΔE^* , 3D=0, de=1, cmv/k

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

	HIC ^{Fe}	rgb ^{Fe}	lcr ^{Fe}	hsa ^{Fe}	rgb ^{*Fe}	LabCh ^{Fe}	LabCh ^{*Fe}	DF ^{Fe}	ham ^{Fe}	rgb ^{*%Fe}	LabCh ^{%Fe}	LabCh ^{Fe}														
25	405 ⁺	0.625	0.0	0.625	0.0	0.13	36.4	40.5	19.3	44.9	25.4	37.4	42.1	28.4	50.8	34.0	9.3	378	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25.4
26	406 ⁺	0.625	0.0	0.625	0.0	0.294	36.4	40.5	19.3	44.9	25.4	37.4	42.1	28.4	50.8	34.0	9.3	378	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25.4
27	407 ⁺	0.625	0.0	0.625	0.0	0.478	36.7	44.1	-0.1	44.1	359.8	37.7	44.8	12.8	46.6	15.9	12.8	342	1.0	0.0	0.765	47.7	67.4	15.8	69.2	13.2
28	408 ⁺	0.625	0.0	0.625	0.0	0.625	35.4	43.5	-7.3	44.1	350.4	0.625	0.0	0.25	37.7	46.7	3.8	348	1.0	0.0	0.461	48.0	69.6	-0.1	70.6	359.8
29	409 ⁺	0.625	0.0	0.625	0.0	0.625	32.0	36.8	-13.9	39.0	339.0	0.625	0.0	0.5	38.2	48.9	-3.5	49.0	355.8	1.0	0.0	0.406	58.3	-22.3	62.4	339.0
30	410 ⁺	0.625	0.0	0.625	0.0	0.625	28.4	30.4	-18.7	36.0	328.6	0.625	0.0	0.625	38.6	50.3	-8.7	51.0	355.8	1.0	0.0	0.407	40.0	1.0	34.8	49.2
31	411 ⁺	0.625	0.0	0.625	0.0	0.75	28.9	31.7	-26.6	41.4	320.0	0.625	0.0	0.875	40.0	54.5	-12.6	56.0	346.9	1.0	0.0	0.315	0.0	1.0	32.7	42.3
32	412 ⁺	0.625	0.0	0.625	0.0	0.875	29.9	32.2	-34.0	46.8	313.4	0.625	0.0	0.875	41.2	58.8	-21.8	62.7	339.6	1.0	0.0	0.256	0.0	1.0	31.6	36.8
33	413 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	-42.0	53.9	307.7	0.625	0.0	1.0	40.9	59.6	-21.8	62.7	339.6	1.0	0.0	0.146	0.0	1.0	29.7	32.5
34	414 ⁺	0.625	0.0	0.625	0.0	1.0	37.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7	32.5
35	415 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7	32.5
36	416 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7	32.5
37	417 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7	32.5
38	418 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7	32.5
39	419 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7	32.5
40	420 ⁺	0.625	0.0	0.625	0.0	1.0	29.7	36.3	28.1	45.2	307.7	0.625	0.0	1.0	40.9	59.6	35.4	46.2	50.0	1.0	0.0	0.146	0.0	1.0	29.7</	

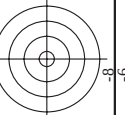
see similar files: <http://130.149.60.45/~farbmatrik/PE45/PE45.HTM>
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PE45/PE45LONP.PDF /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/22

TUB-test chart PE45; standard test chart colors and differences, ΔE^* , 3D=0, de=1, cmv

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

[illegible]



TUB material: code=rha4ta
nyn6 (CMYK)

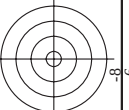
colors and differences, ΔE^* , 3D=0, de=1, cmyk

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[illegible]

n	H1C*Fe	rgb*Fe	ic1*Fe	hs1*Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	rgb*Fe	LabCh*Fe	DF*Fe	hsM*Fe	rgb*Fe	LabCh*Fe
648	648e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	648e
649	649e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	649e
650	650e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	650e
651	651e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	651e
652	652e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	652e
653	653e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	653e
654	654e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	654e
655	655e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	655e
656	656e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	656e
657	657e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	657e
658	658e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	658e
659	659e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	659e
660	660e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	660e
661	661e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	661e
662	662e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	662e
663	663e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	663e
664	664e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	664e
665	665e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	665e
666	666e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	666e
667	667e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	667e
668	668e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	668e
669	669e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	669e
670	670e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	670e
671	671e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	671e
672	672e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	672e
673	673e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	673e
674	674e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	674e
675	675e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	675e
676	676e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	676e
677	677e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	677e
678	678e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	678e
679	679e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	679e
680	680e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	680e
681	681e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	681e
682	682e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	682e
683	683e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	683e
684	684e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	684e
685	685e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	685e
686	686e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	686e
687	687e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	687e
688	688e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	688e
689	689e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	689e
690	690e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	690e
691	691e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	691e
692	692e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	692e
693	693e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	693e
694	694e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	694e
695	695e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	695e
696	696e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	696e
697	697e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	697e
698	698e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	698e
699	699e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	699e
700	700e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	700e
701	701e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	701e
702	702e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	702e
703	703e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	703e
704	704e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	704e
705	705e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	705e
706	706e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	706e
707	707e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	707e
708	708e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	708e
709	709e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	709e
710	710e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	710e
711	711e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	711e
712	712e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	712e
713	713e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	713e
714	714e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	714e
715	715e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	715e
716	716e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	716e
717	717e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	717e
718	718e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	718e
719	719e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	719e
720	720e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	720e
721	721e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	721e
722	722e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	722e
723	723e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	723e
724	724e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	724e
725	725e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	725e
726	726e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	378	0.0	726e
727	727e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9	378	0.0	727e
728	728e	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.9	378	0.0	728e

n	HVC*Fe	rgb*Fe	icL*Fe	hsa*Fe	rgb*Fe	LabCH*Fe	LabCH*Fe	rgb*Fe	DF*Fe	hsa*Fe	LabCH*Fe	rgb*Fe	LabCH*Fe
729	729 ₀	1.0	1.0	1.0	1.0	95.4	95.4	1.0	0.1	110.4	95.4	1.0	95.4
730	730 ₀	0.875	1.0	1.0	0.875	1.0	92.0	0.875	0.1	233.1	92.0	1.0	92.0
731	731 ₀	0.75	1.0	1.0	0.75	1.0	88.1	0.75	0.1	233.1	88.1	1.0	88.1
732	732 ₀	0.625	1.0	1.0	0.625	1.0	84.1	0.625	0.1	233.1	84.1	1.0	84.1
733	733 ₀	0.5	1.0	1.0	0.5	1.0	80.1	0.5	0.1	233.1	80.1	1.0	80.1
734	734 ₀	0.375	1.0	1.0	0.375	1.0	76.1	0.375	0.1	233.1	76.1	1.0	76.1
735	735 ₀	0.25	1.0	1.0	0.25	1.0	72.1	0.25	0.1	233.1	72.1	1.0	72.1
736	736 ₀	0.125	1.0	1.0	0.125	1.0	68.1	0.125	0.1	233.1	68.1	1.0	68.1
737	737 ₀	0.0	1.0	1.0	0.0	1.0	64.1	0.0	0.1	233.1	64.1	1.0	64.1
738	738 ₀	0.875	0.875	0.875	0.875	90.1	89.4	0.875	0.1	197.0	89.4	0.875	90.1
739	739 ₀	0.75	0.875	0.875	0.75	86.1	85.4	0.75	0.1	197.0	85.4	0.75	86.1
740	740 ₀	0.625	0.875	0.875	0.625	82.1	81.4	0.625	0.1	197.0	81.4	0.625	82.1
741	741 ₀	0.5	0.875	0.875	0.5	78.1	77.4	0.5	0.1	197.0	77.4	0.5	78.1
742	742 ₀	0.375	0.875	0.875	0.375	74.1	73.4	0.375	0.1	197.0	73.4	0.375	74.1
743	743 ₀	0.25	0.875	0.875	0.25	70.1	69.4	0.25	0.1	197.0	69.4	0.25	70.1
744	744 ₀	0.125	0.875	0.875	0.125	66.1	65.4	0.125	0.1	197.0	65.4	0.125	66.1
745	745 ₀	0.0	0.875	0.875	0.0	62.1	61.4	0.0	0.1	197.0	61.4	0.0	62.1
746	746 ₀	0.875	0.875	0.875	0.875	58.1	57.4	0.875	0.1	197.0	57.4	0.875	58.1
747	747 ₀	0.75	0.875	0.875	0.75	54.1	53.4	0.75	0.1	197.0	53.4	0.75	54.1
748	748 ₀	0.625	0.875	0.875	0.625	50.1	49.4	0.625	0.1	197.0	49.4	0.625	50.1
749	749 ₀	0.5	0.875	0.875	0.5	46.1	45.4	0.5	0.1	197.0	45.4	0.5	46.1
750	750 ₀	0.375	0.875	0.875	0.375	42.1	41.4	0.375	0.1	197.0	41.4	0.375	42.1
751	751 ₀	0.25	0.875	0.875	0.25	38.1	37.4	0.25	0.1	197.0	37.4	0.25	38.1
752	752 ₀	0.125	0.875	0.875	0.125	34.1	33.4	0.125	0.1	197.0	33.4	0.125	34.1
753	753 ₀	0.0	0.875	0.875	0.0	30.1	29.4	0.0	0.1	197.0	29.4	0.0	30.1
754	754 ₀	0.875	0.875	0.875	0.875	26.1	25.4	0.875	0.1	197.0	25.4	0.875	26.1
755	755 ₀	0.75	0.875	0.875	0.75	22.1	21.4	0.75	0.1	197.0	21.4	0.75	22.1
756	756 ₀	0.625	0.875	0.875	0.625	18.1	17.4	0.625	0.1	197.0	17.4	0.625	18.1
757	757 ₀	0.5	0.875	0.875	0.5	14.1	13.4	0.5	0.1	197.0	13.4	0.5	14.1
758	758 ₀	0.375	0.875	0.875	0.375	10.1	9.4	0.375	0.1	197.0	9.4	0.375	10.1
759	759 ₀	0.25	0.875	0.875	0.25	6.1	5.4	0.25	0.1	197.0	5.4	0.25	6.1
760	760 ₀	0.125	0.875	0.875	0.125	2.1	1.4	0.125	0.1	197.0	1.4	0.125	2.1
761	761 ₀	0.0	0.875	0.875	0.0	0.0	0.0	0.0	0.1	197.0	0.0	0.0	0.0
762	762 ₀	0.875	0.875	0.875	0.875	96.1	95.4	0.875	0.1	233.1	95.4	0.875	96.1
763	763 ₀	0.75	0.875	0.875	0.75	92.1	91.4	0.75	0.1	233.1	91.4	0.75	92.1
764	764 ₀	0.625	0.875	0.875	0.625	88.1	87.4	0.625	0.1	233.1	87.4	0.625	88.1
765	765 ₀	0.5	0.875	0.875	0.5	84.1	83.4	0.5	0.1	233.1	83.4	0.5	84.1
766	766 ₀	0.375	0.875	0.875	0.375	80.1	79.4	0.375	0.1	233.1	79.4	0.375	80.1
767	767 ₀	0.25	0.875	0.875	0.25	76.1	75.4	0.25	0.1	233.1	75.4	0.25	76.1
768	768 ₀	0.125	0.875	0.875	0.125	72.1	71.4	0.125	0.1	233.1	71.4	0.125	72.1
769	769 ₀	0.0	0.875	0.875	0.0	68.1	67.4	0.0	0.1	233.1	67.4	0.0	68.1
770	770 ₀	0.875	0.875	0.875	0.875	64.1	63.4	0.875	0.1	233.1	63.4	0.875	64.1
771	771 ₀	0.75	0.875	0.875	0.75	60.1	59.4	0.75	0.1	233.1	59.4	0.75	60.1
772	772 ₀	0.625	0.875	0.875	0.625	56.1	55.4	0.625	0.1	233.1	55.4	0.625	56.1
773	773 ₀	0.5	0.875	0.875	0.5	52.1	51.4	0.5	0.1	233.1	51.4	0.5	52.1
774	774 ₀	0.375	0.875	0.875	0.375	48.1	47.4	0.375	0.1	233.1	47.4	0.375	48.1
775	775 ₀	0.25	0.875	0.875	0.25	44.1	43.4	0.25	0.1	233.1	43.4	0.25	44.1
776	776 ₀	0.125	0.875	0.875	0.125	40.1	39.4	0.125	0.1	233.1	39.4	0.125	40.1
777	777 ₀	0.0	0.875	0.875	0.0	36.1	35.4	0.0	0.1	233.1	35.4	0.0	36.1
778	778 ₀	0.875	0.875	0.875	0.875	32.1	31.4	0.875	0.1	233.1	31.4	0.875	32.1
779	779 ₀	0.75	0.875	0.875	0.75	28.1	27.4	0.75	0.1	233.1	27.4	0.75	28.1
780	780 ₀	0.625	0.875	0.875	0.625	24.1	23.4	0.625	0.1	233.1	23.4	0.625	24.1
781	781 ₀	0.5	0.875	0.875	0.5	20.1	19.4	0.5	0.1	233.1	19.4	0.5	20.1
782	782 ₀	0.375	0.875	0.875	0.375	16.1	15.4	0.375	0.1	233.1	15.4	0.375	16.1
783	783 ₀	0.25	0.875	0.875	0.25	12.1	11.4	0.25	0.1	233.1	11.4	0.25	12.1
784	784 ₀	0.125	0.875	0.875	0.125	8.1	7.4	0.125	0.1	233.1	7.4	0.125	8.1
785	785 ₀	0.0	0.875	0.875	0.0	4.1	3.4	0.0	0.1	233.1	3.4	0.0	4.1
786	786 ₀	0.875	0.875	0.875	0.875	0.0	0.0	0.875	0.1	233.1	0.0	0.875	0.0
787	787 ₀	0.75	0.875	0.875	0.75	0.0	0.0	0.75	0.1	233.1	0.0	0.75	0.0
788	788 ₀	0.625	0.875	0.875	0.625	0.0	0.0	0.625	0.1	233.1	0.0	0.625	0.0
789	789 ₀	0.5	0.875	0.875	0.5	0.0	0.0	0.5	0.1	233.1	0.0	0.5	0.0
790	790 ₀	0.375	0.875	0.875	0.375	0.0	0.0	0.375	0.1	233.1	0.0	0.375	0.0
791	791 ₀	0.25	0.875	0.875	0.25	0.0	0.0	0.25	0.1	233.1	0.0	0.25	0.0
792	792 ₀	0.125	0.875	0.875	0.125	0.0	0.0	0.125	0.1	233.1	0.0	0.125	0.0
793	793 ₀	0.0	0.875	0.875	0.0	0.0	0.0	0.0	0.1	233.1	0.0	0.0	0.0
794	794 ₀	0.875	0.875	0.875	0.875	96.1	95.4	0.875	0.1	233.1	95.4	0.875	96.1
795	795 ₀	0.75	0.875	0.875	0.75	92.1	91.4	0.75	0.1	233.1	91.4	0.75	92.1
796	796 ₀	0.625	0.875	0.875	0.625	88.1	87.4	0.625	0.1	233.1	87.4	0.625	88.1
797	797 ₀	0.5	0.875	0.875	0.5	84.1	83.4	0.5	0.1	233.1	83.4	0.5	84.1
798	798 ₀	0.375	0.875	0.875	0.375	80.1	79.4	0.375	0.1	233.1	79.4	0.375	80.1
799	799 ₀	0.25	0.875	0.875	0.25	76.1	75.4	0.25	0.1	233.1	75.4	0.25	76.1
800	800 ₀	0.125	0.875	0.875	0.125	72.1	71.4	0.125	0.1	233.1	71.4	0.125	72.1
801	801 ₀	0.0	0.875	0.875	0.0	68.1	67.4	0.0	0.1	233.1	67.4	0.0	68.1
802	802 ₀	0.875	0.875	0.875	0.875	64.1	63.4	0.875	0.1	233.1	63.4	0.875	64.1
803	803 ₀	0.75	0.875	0.875	0.75	60.1	59.4	0.75	0.1	233.1	59.4	0.75	60.1
804	804 ₀	0.625	0.875	0.875	0.625	56.1	55.4	0.625	0.1	233.1	55.4	0.625	56.1
805	805 ₀	0.5	0.875	0.875	0.5	52.1	51.4	0.5	0.1	233.1	51.4	0.5	52.1
806	806 ₀	0.375	0.875	0.875	0.375	48.1	47.4	0.375	0.1	233.1	47.4	0.375	48.1
807	807 ₀	0.25	0.875	0.875	0.25	44.1	43.4	0.25	0.1	233.1	43.4	0.25	44.1
808	808 ₀	0.125	0.875	0.875	0.125	40.1	39.4	0.125	0.1	233.1	39.4	0.125	40.1
809	809 ₀	0.0	0.875	0.875	0.0	36.1	35.4	0.0	0.1	233.1	35.4	0.0	36.1



TUB material: code=rha4ta
nyn6 (CMYK)

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

PE450-7N, Page 20/22-F

TUB-test chart PE45; standard test chart colors and differences, ΔE^* , $3D=0$, de=

[illegible]



TUB material: code=rha4ta
myn6 (CMYK)

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

TUB-test chart PE45; standard test chart colors and differences, ΔE^* , 3D=0, de=1, cmvk

<http://130.149.60.45/~farbmatrik/PE45/PE45L0NP.PDF> /PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/22

n	HC*Fe	rgb*Fe	icr*Fe	hsa*Fe	rgb*Fe	LabCh*Fe	LabCh*Fe	rgb*Fe	DF*Fe	hsa*Fe	rgb*Fe	LabCh*Fe
1053	1053e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	85.0 0.0 0.0	85.0 0.0 0.0	0.0 0.0 0.0	0.1 204.5 4.4	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1054	1054e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.2 0.0 0.0	90.2 0.0 0.0	0.0 0.0 0.0	0.0 177.8 1.9	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1055	1055e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.4 0.0 0.0	95.4 0.0 0.0	0.0 0.0 0.0	0.0 61.5 0.0	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1056	1056e	0.066 0.066 0.066	0.066 0.066 0.066	360 360 360	0.066 0.066 0.066	22.8 0.0 0.0	22.8 0.0 0.0	0.0 0.0 0.0	0.1 96.3 1.0	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1057	1057e	0.133 0.133 0.133	0.133 0.133 0.133	360 360 360	0.133 0.133 0.133	33.3 0.0 0.0	33.3 0.0 0.0	0.0 0.0 0.0	0.1 151.6 0.5	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1058	1058e	0.266 0.266 0.266	0.266 0.266 0.266	360 360 360	0.266 0.266 0.266	38.3 0.0 0.0	38.3 0.0 0.0	0.0 0.0 0.0	0.6 242.3 2.4	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1059	1059e	0.4 0.4 0.4	0.4 0.4 0.4	360 360 360	0.4 0.4 0.4	48.8 0.0 0.0	48.8 0.0 0.0	0.0 0.0 0.0	0.9 243.3 5.7	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1060	1060e	0.533 0.533 0.533	0.533 0.533 0.533	360 360 360	0.533 0.533 0.533	59.1 0.0 0.0	59.1 0.0 0.0	0.0 0.0 0.0	0.8 240.2 7.2	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1061	1061e	0.666 0.666 0.666	0.666 0.666 0.666	360 360 360	0.666 0.666 0.666	69.5 0.0 0.0	69.5 0.0 0.0	0.0 0.0 0.0	0.8 234.3 8.6	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1062	1062e	0.8 0.8 0.8	0.8 0.8 0.8	360 360 360	0.8 0.8 0.8	79.9 0.0 0.0	79.9 0.0 0.0	0.0 0.0 0.0	0.7 235.2 7.8	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1063	1063e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	85.0 0.0 0.0	85.0 0.0 0.0	0.0 0.0 0.0	0.6 231.6 7.7	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1064	1064e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.2 0.0 0.0	90.2 0.0 0.0	0.0 0.0 0.0	0.5 233.5 7.3	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1065	1065e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.4 0.0 0.0	95.4 0.0 0.0	0.0 0.0 0.0	0.3 225.3 6.1	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1066	1066e	0.066 0.066 0.066	0.066 0.066 0.066	360 360 360	0.066 0.066 0.066	22.8 0.0 0.0	22.8 0.0 0.0	0.0 0.0 0.0	0.2 221.2 4.9	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1067	1067e	0.133 0.133 0.133	0.133 0.133 0.133	360 360 360	0.133 0.133 0.133	33.3 0.0 0.0	33.3 0.0 0.0	0.0 0.0 0.0	0.1 220.3 4.3	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1068	1068e	0.266 0.266 0.266	0.266 0.266 0.266	360 360 360	0.266 0.266 0.266	38.3 0.0 0.0	38.3 0.0 0.0	0.0 0.0 0.0	0.0 125.8 2.0	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1069	1069e	0.4 0.4 0.4	0.4 0.4 0.4	360 360 360	0.4 0.4 0.4	48.8 0.0 0.0	48.8 0.0 0.0	0.0 0.0 0.0	0.5 78.4 2.3	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1070	1070e	0.533 0.533 0.533	0.533 0.533 0.533	360 360 360	0.533 0.533 0.533	59.1 0.0 0.0	59.1 0.0 0.0	0.0 0.0 0.0	0.1 275.2 0.1	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1071	1071e	0.666 0.666 0.666	0.666 0.666 0.666	360 360 360	0.666 0.666 0.666	69.5 0.0 0.0	69.5 0.0 0.0	0.0 0.0 0.0	0.1 31.4 31.4	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1072	1072e	0.8 0.8 0.8	0.8 0.8 0.8	360 360 360	0.8 0.8 0.8	79.9 0.0 0.0	79.9 0.0 0.0	0.0 0.0 0.0	53.6 237.9 19.1	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1073	1073e	0.866 0.866 0.866	0.866 0.866 0.866	360 360 360	0.866 0.866 0.866	85.0 0.0 0.0	85.0 0.0 0.0	0.0 0.0 0.0	96.2 96.2 96.2	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1074	1074e	0.933 0.933 0.933	0.933 0.933 0.933	360 360 360	0.933 0.933 0.933	90.2 0.0 0.0	90.2 0.0 0.0	0.0 0.0 0.0	299.0 299.0 299.0	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1075	1075e	1.0 1.0 1.0	1.0 1.0 1.0	360 360 360	1.0 1.0 1.0	95.4 0.0 0.0	95.4 0.0 0.0	0.0 0.0 0.0	96.2 96.2 96.2	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1076	1076e	0.066 0.066 0.066	0.066 0.066 0.066	360 360 360	0.066 0.066 0.066	22.8 0.0 0.0	22.8 0.0 0.0	0.0 0.0 0.0	74.6 74.6 74.6	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1077	1077e	0.133 0.133 0.133	0.133 0.133 0.133	360 360 360	0.133 0.133 0.133	33.3 0.0 0.0	33.3 0.0 0.0	0.0 0.0 0.0	357.5 357.5 357.5	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1078	1078e	0.266 0.266 0.266	0.266 0.266 0.266	360 360 360	0.266 0.266 0.266	38.3 0.0 0.0	38.3 0.0 0.0	0.0 0.0 0.0	75.4 75.4 75.4	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4
1079	1079e	0.4 0.4 0.4	0.4 0.4 0.4	360 360 360	0.4 0.4 0.4	48.8 0.0 0.0	48.8 0.0 0.0	0.0 0.0 0.0	38.7 38.7 38.7	360 360 360	1.0 1.0 1.0	95.4 95.4 95.4

Mean color difference of this page:

delta E* = 7.6

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

TUB-test chart PE45; standard test chart
colors and differences, ΔE^* , 3D=0, de=1, cmyk