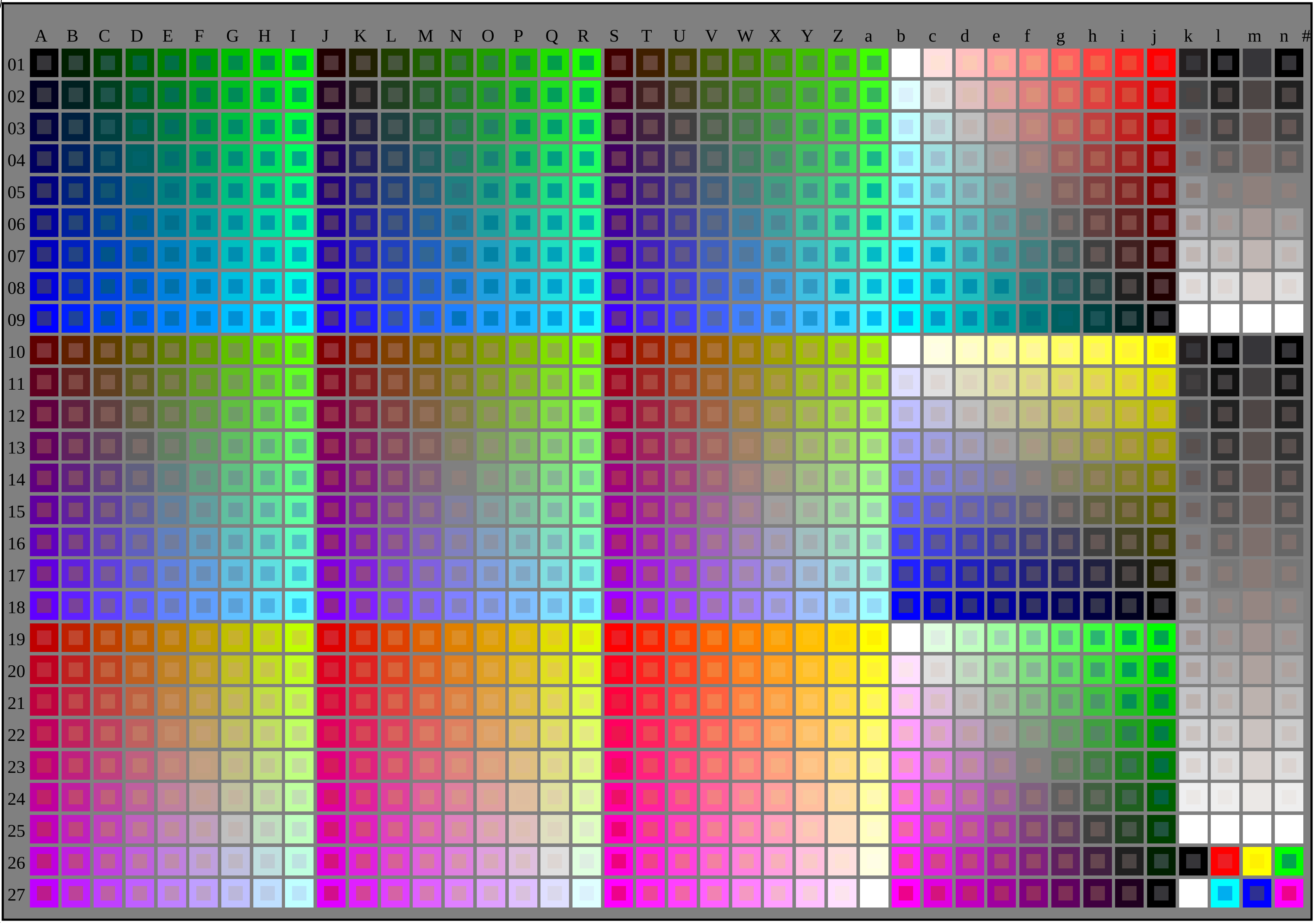
ZE14S0A

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; start output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/38

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`



TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output

TUB material: code=rha4ta

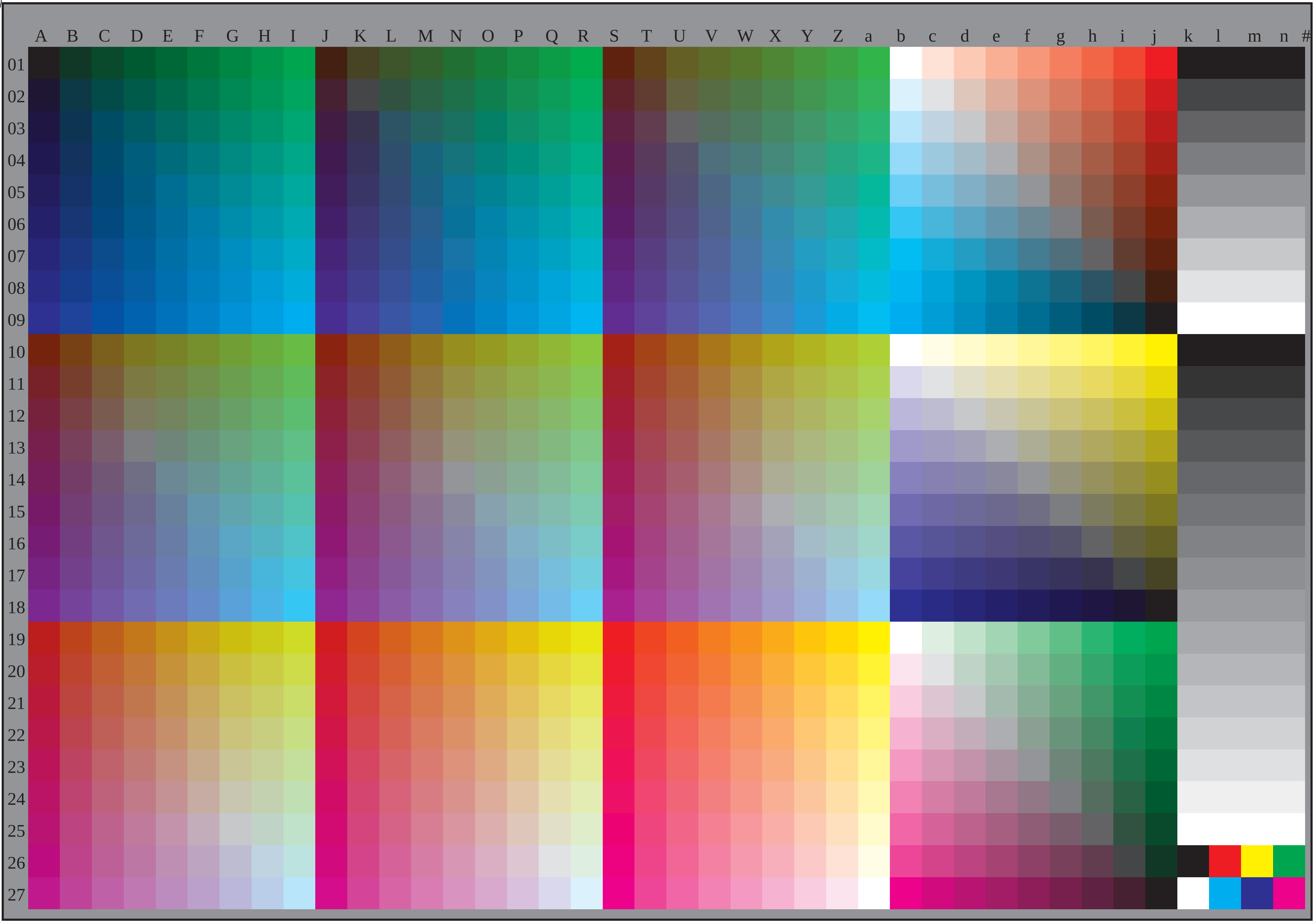
1−003030−L0 cmyn6 ZE140−70N Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A−n): *rgb + cmy0 (A_j + k26_n27), 000n (k), w (l), nnn0 (m), www (n)*

TUB-test chart ZE14; test chart G of CIE R8−09:2015
1080 standard colours; image technology

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

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 2/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de



1−003130−L0 cmyn6 ZE140−710 Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A−n):*cmyn6 (A_n)*

TUB-test chart ZE14; test chart G of CIE R8−09:2015
1080 standard colours, 3D=0, de=0, *RGB*

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

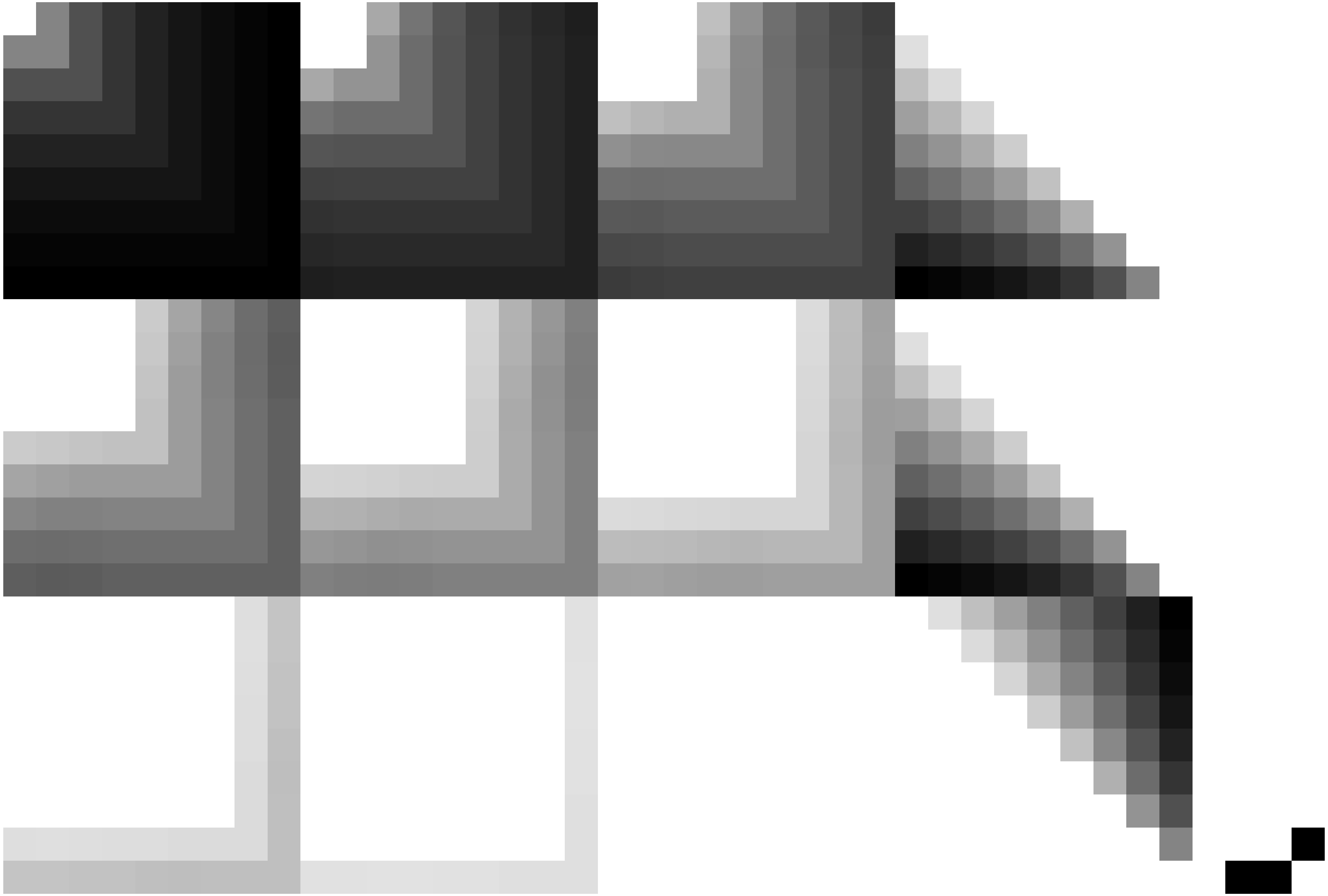
TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 3/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta



1-003230-L0 cmyn6

ZE140-720

TUB-test chart ZE14; test chart G of CIE R8-09:2015
1080 standard colours, 3D=0, de=0, *RGB*

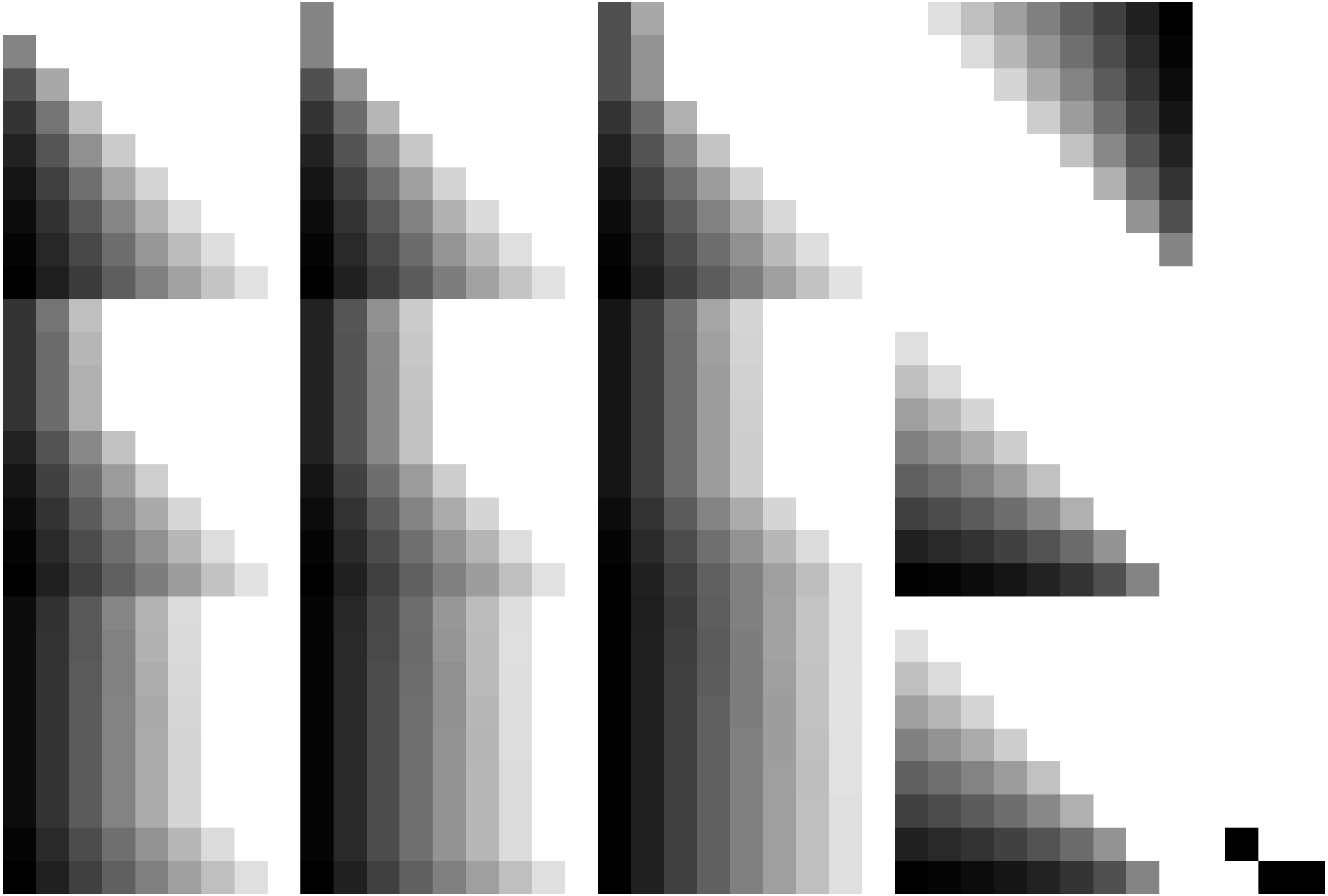
input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 4/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta



1-003330-L0 cmyn6

ZE140-730

TUB-test chart ZE14; test chart G of CIE R8-09:2015
1080 standard colours, 3D=0, de=0, *RGB*

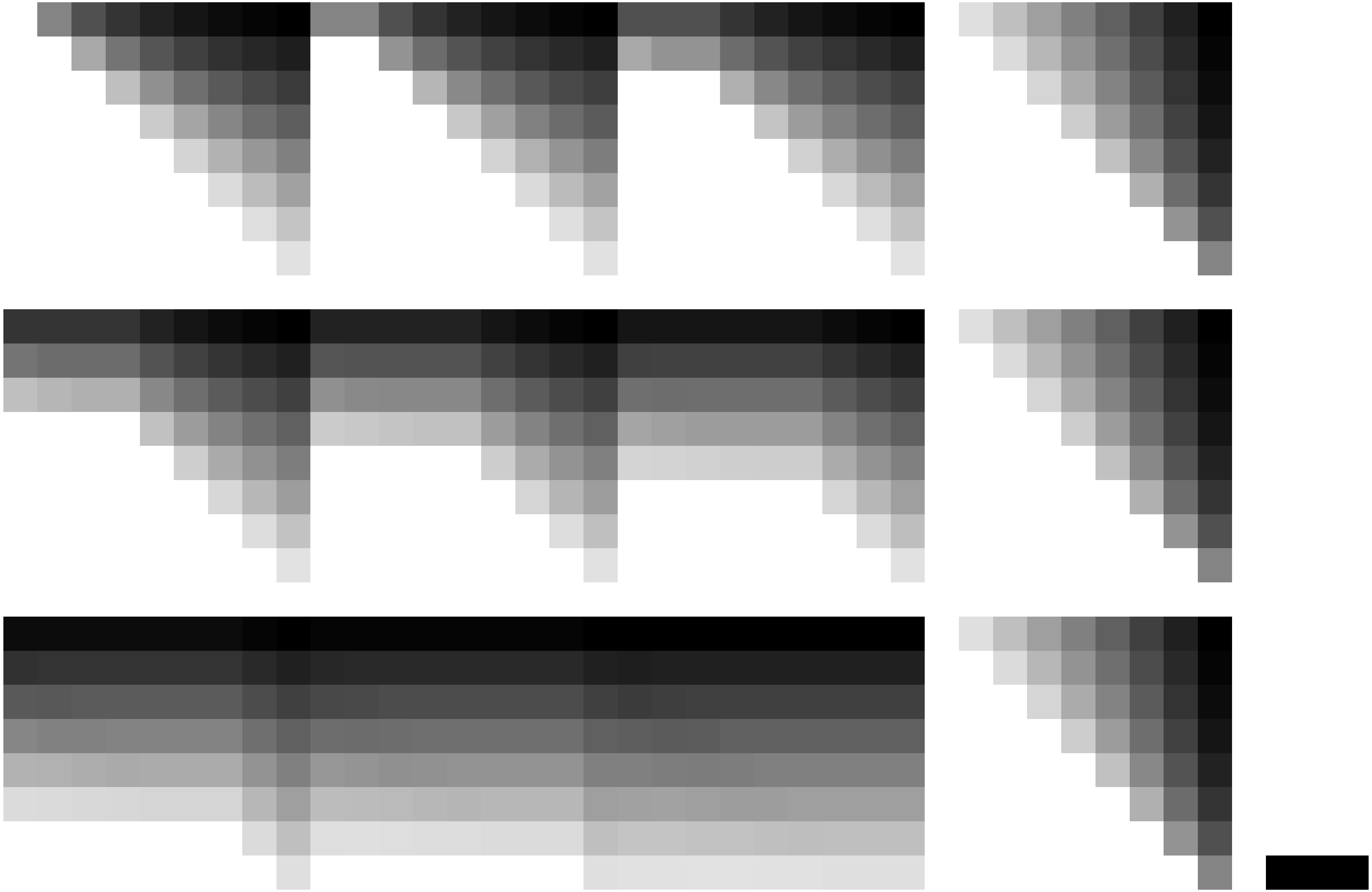
input: *rgb/cmyk* -> rgb_d
output: transfer to rgb_d

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 5/38

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta



1−003430−L0 cmyn6

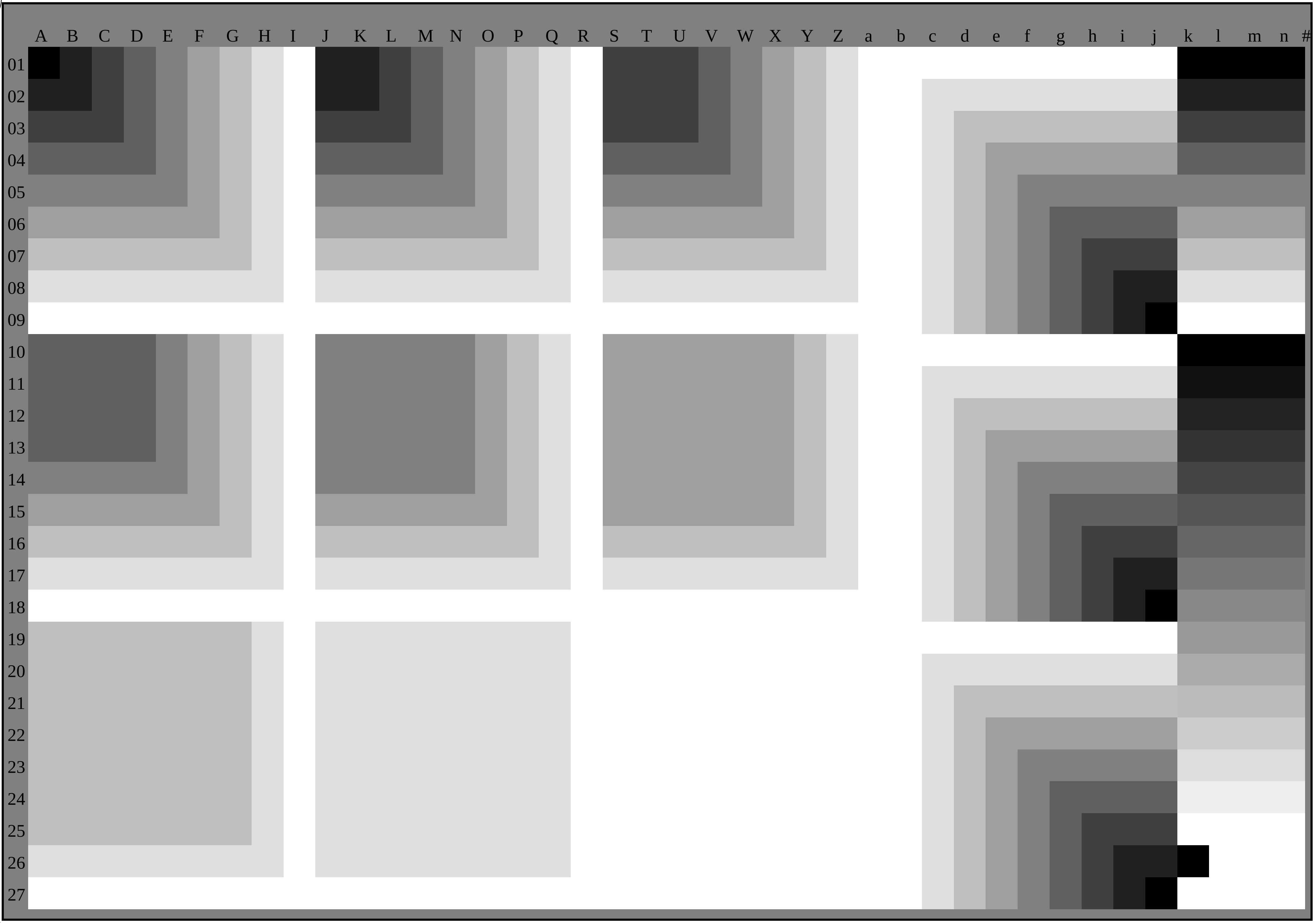
ZE140−740

TUB-test chart ZE14; test chart G of CIE R8−09:2015
1080 standard colours, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 6/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de



TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

1−003530−L0 cmyn6 ZE140−750 Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A−n):*cmyn6 (A_n)*

TUB-test chart ZE14; test chart G of CIE R8−09:2015
1080 standard colours, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 7/38

n/j	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
0/648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	0.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
1/657	R13Y_100_100$_d$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	53.7	62.9	61.3	87.8	44.2	1.0	0.125	0.0	54.0	62.4	61.8	87.9	44.7	0.7	36	1.0	0.116	0.0	53.7	62.9	61.3	87.8	44.2
2/666	R25Y_100_100$_d$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7	1.0	0.25	0.0	60.1	51.5	70.8	87.6	53.9	2.0	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
3/675	R38Y_100_100$_d$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	65.5	40.2	77.3	87.2	62.5	1.0	0.375	0.0	65.8	39.3	77.7	87.1	63.1	1.0	51	1.0	0.366	0.0	65.5	40.2	77.3	87.2	62.5
4/684	R50Y_100_100$_d$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9	0.0	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
5/693	R63Y_100_100$_d$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	76.1	17.4	89.6	91.3	78.9	1.0	0.625	0.0	75.7	18.1	89.1	91.0	78.4	0.9	68	1.0	0.633	0.0	76.1	17.4	89.6	91.3	78.9
6/702	R75Y_100_100$_d$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7	1.0	0.75	0.0	80.9	6.8	95.5	95.8	85.9	1.6	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
7/711	R88Y_100_100$_d$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	86.1	−4.2	101.7	101.8	92.4	1.0	0.875	0.0	85.8	−3.6	101.3	101.3	92.0	0.8	83	1.0	0.883	0.0	86.1	−4.2	101.7	101.8	92.4
8/720	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	0.0	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
9/639	Y13G_100_100$_d$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.9	−20.7	101.2	103.3	101.5	0.875	1.0	0.0	86.6	−21.2	100.7	102.9	101.8	0.7	96	0.883	1.0	0.0	86.9	−20.7	101.2	103.3	101.5
10/558	Y25G_100_100$_d$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4	0.75	1.0	0.0	81.2	−30.3	91.8	96.7	108.2	1.8	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
11/477	Y38G_100_100$_d$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	75.2	−39.1	82.6	91.4	115.3	0.625	1.0	0.0	74.8	−39.6	81.9	91.0	115.8	0.9	111	0.633	1.0	0.0	75.2	−39.1	82.6	91.4	115.3
12/396	Y50G_100_100$_d$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0	0.0	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
13/315	Y63G_100_100$_d$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	63.8	−58.9	63.3	86.5	132.9	0.375	1.0	0.0	64.2	−58.3	64.0	86.6	132.3	1.0	128	0.366	1.0	0.0	63.8	−58.9	63.3	86.5	132.9
14/234	Y75G_100_100$_d$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0	0.25	1.0	0.0	58.5	−67.1	53.0	85.5	141.6	2.1	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
15/153	Y88G_100_100$_d$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	51.9	−74.8	39.6	84.7	152.0	0.125	1.0	0.0	52.4	−74.6	40.3	84.8	151.6	0.8	143	0.116	1.0	0.0	51.9	−74.8	39.6	84.7	152.0
16/72	G00C_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
17/73	G13C_100_100$_d$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	46.7	−79.0	20.5	81.6	165.4	0.0	1.0	0.125	46.8	−79.1	19.8	81.6	165.9	0.7	156	0.0	1.0	0.116	46.7	−79.0	20.5	81.6	165.4
18/74	G25C_100_100$_d$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3	0.0	1.0	0.25	47.5	−73.8	7.0	74.2	174.5	1.7	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
19/75	G38C_100_100$_d$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	48.6	−67.2	−3.6	67.3	183.1	0.0	1.0	0.375	48.6	−66.7	−4.3	66.9	183.7	0.8	171	0.0	1.0	0.366	48.6	−67.2	−3.6	67.3	183.1
20/76	G50C_100_100$_d$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3	0.0	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
21/77	G63C_100_100$_d$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	50.8	−48.2	−28.0	55.7	210.1	0.0	1.0	0.625	50.8	−48.8	−27.2	55.9	209.1	0.9	188	0.0	1.0	0.633	50.8	−48.2	−28.0	55.7	210.1
22/78	G75C_100_100$_d$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3	0.0	1.0	0.75	51.6	−38.4	−37.5	53.7	224.3	1.9	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
23/79	G88C_100_100$_d$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	52.7	−27.5	−48.5	55.8	240.4	0.0	1.0	0.875	52.6	−28.1	−47.7	55.4	239.4	1.0	203	0.0	1.0	0.883	52.7	−27.5	−48.5	55.8	240.4
24/80	C00B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
25/71	C13B_100_100$_d$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	50.0	−9.1	−61.5	62.2	261.5	0.0	0.875	1.0	49.8	−8.5	−61.7	62.3	262.1	0.6	216	0.0	0.883	1.0	50.0	−9.1	−61.5	62.2	261.5
26/62	C25B_100_100$_d$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0	0.0	0.75	1.0	46.1	0.1	−64.6	64.6	270.1	1.3	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
27/53	C38B_100_100$_d$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	42.1	9.2	−67.1	67.7	277.8	0.0	0.625	1.0	41.8	9.9	−67.2	68.0	278.4	0.7	231	0.0	0.633	1.0	42.1	9.2	−67.1	67.7	277.8
28/44	C50B_100_100$_d$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1	0.0	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
29/35	C63B_100_100$_d$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	33.2	28.2	−70.2	75.6	291.8	0.0	0.375	1.0	33.5	27.5	−70.1	75.3	291.4	0.7	248	0.0	0.366	1.0	33.2	28.2	−70.2	75.6	291.8
30/26	C75B_100_100$_d$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5	0.0	0.25	1.0	28.5	37.4	−70.8	80.1	297.8	1.2	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
31/17	C88B_100_100$_d$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	23.3	45.8	−69.7	83.4	303.3	0.0	0.125	1.0	23.6	45.5	−70.0	83.5	303.0	0.4	263	0.0	0.116	1.0	23.3	45.8	−69.7	83.4	303.3
32/8	B00M_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
33/89	B13M_100_100$_d$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	21.3	54.5	−61.2	81.9	311.6	0.125	0.0	1.0	21.5	54.8	−60.8	81.9	312.0	0.5	276	0.116	0.0	1.0	21.3	54.5	−61.2	81.9	311.6
34/170	B25M_100_100$_d$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3	0.25	0.0	1.0	26.2	58.2	−54.2	79.6	317.0	1.1	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
35/251	B38M_100_100$_d$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	30.2	61.3	−48.2	78.0	321.8	0.375	0.0	1.0	30.5	61.5	−47.8	77.9	322.1	0.5	291	0.366	0.0	1.0	30.2	61.3	−48.2	78.0	321.8
36/332	B50M_100_100$_d$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0	0.0	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
37/413	B63M_100_100$_d$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	38.9	68.9	−32.8	76.4	334.5	0.625	0.0	1.0	38.6	68.7	−33.3	76.4	334.0	0.6	308	0.633	0.0	1.0	38.9	68.9	−32.8	76.4	334.5
38/494	B75M_100_100$_d$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2	0.75	0.0	1.0	42.7	72.2	−25.6	76.6	340.4	1.2	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
39/575	B88M_100_100$_d$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	47.0	77.0	−18.0	79.1	346.8	0.875	0.0	1.0	46.8	76.6	−18.4	78.8	346.4	0.5	323	0.883	0.0	1.0	47.0	77.0	−18.0	79.1	346.8
40/656	M00R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	0.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
41/655	M13R_100_100$_d$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	50.4	79.3	−3.5	79.4	357.4	1.0	0.0	0.875	50.4	79.1	−2.9	79.2	357.8	0.6	336	1.0	0.0	0.883	50.4	79.3	−3.5	79.4	357.4
42/654	M25R_100_100$_d$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1	1.0	0.0	0.75	50.2	76.6	5.3	76.8	363.9	1.1	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
43/653	M38R_100_100$_d$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	50.1	75.1	13.5	76.3	10.2	1.0	0.0	0.625	50.1	75.0	14.1	76.3	370.6	0.5	351	1.0	0.0	0.633	50.1	75.1	13.5	76.3	10.2
44/652	M50R_100_100$_d$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1	1.0	0.0	0.5	50.1	73.4	22.6	76.8	377.1	0.0	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
45/651	M63R_100_100$_d$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	49.9	72.4	31.6	79.0	23.5	1.0	0.0	0.375	49.9	72.4	31.0	78.8	383.2	0.5	368	1.0	0.0	0.366	49.9	72.4	31.6	79.0	23.5
46/650	M75R_100_100$_d$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3	1.0	0.0	0.25	49.8	71.1	38.9	81.1	388.6	1.0	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
47/649	M88R_100_100$_d$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	49.4	70.0	47.1	84.4	33.9	1.0	0.0	0.125	49.5	70.0	46.7	84.2	393.7	0.4	383	1.0	0.0	0.116	49.4	70.0	47.1	84.4	33.9
48/648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.2	68.9	53.4	87.2	397.7	0.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
49/0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	62.4	61.8	87.9	404.7	97.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
50/91	NW_013$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	11.1	0.0	0.0	0.0	0.0	10.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
51/182	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	17.5	−0.3	3.7	3.7	95.9	15.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
52/273	NW_038$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	28.6	−0.5	6.5	6.5	94.8	16.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
53/364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	39.6	−0.9	7.7	7.7	96.8	16.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
54/455	NW_063$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	51.8	−0.9	7.1	7.2	97.4	14.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
55/546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	63.1	−0.8	6.2	6.3	97.9	13.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
56/637	NW_088$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	75.4	−0.6	4.9	4.9	97.1	11.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
57/728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	86.9	−0.3	2.7	2.8	97.3	10.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' =** ***4.2***

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

1-003630-F0

ZE140−7N, Page 7/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n/j	HIC*$_{Fd}$	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	$rgb*_{Fd}$			$LabCh*_{Fd}$					$rgb*'_{Fd}$			$LabCh*'_{Fd}$					$DE*'_{Fd}$	$h_{siM,d}$	$rgb*_{Md}$			$LabCh*_{Md}$				
0/648	R00Y_100_100$_{d}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	0.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
1/666	R25Y_100_100$_{d}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7	1.0	0.25	0.0	60.1	51.5	70.8	87.6	53.9	2.0	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
2/684	R50Y_100_100$_{d}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9	0.0	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
3/702	R75Y_100_100$_{d}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7	1.0	0.75	0.0	80.9	6.8	95.5	95.8	85.9	1.6	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
4/720	Y00G_100_100$_{d}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	0.0	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
5/558	Y25G_100_100$_{d}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4	0.75	1.0	0.0	81.2	−30.3	91.8	96.7	108.2	1.8	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
6/396	Y50G_100_100$_{d}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0	0.0	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
7/234	Y75G_100_100$_{d}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0	0.25	1.0	0.0	58.5	−67.1	53.0	85.5	141.6	2.1	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
8/72	G00B_100_100$_{d}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
9/72	G00B_100_100$_{d}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
10/76	G25B_100_100$_{d}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3	0.0	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
11/80	G50B_100_100$_{d}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
12/44	G75B_100_100$_{d}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1	0.0	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
13/8	B00M_100_100$_{d}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
14/332	B25R_100_100$_{d}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0	0.0	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
15/656	B50R_100_100$_{d}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	0.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
16/652	B75R_100_100$_{d}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1	0.0	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
17/648	R00Y_100_100$_{d}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	0.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
18/688	R00Y_100_050$_{d}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	73.1	34.4	26.7	43.6	37.7	1.0	0.5	0.5	73.1	30.0	34.0	45.4	48.5	8.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
19/706	R50Y_100_050$_{d}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	83.9	14.4	41.7	44.1	70.9	1.0	0.75	0.5	83.7	7.4	44.3	45.0	80.5	7.4	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
20/724	Y00G_100_050$_{d}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	93.9	−7.0	53.8	54.3	97.4	1.0	1.0	0.5	93.7	−13.6	55.2	56.9	103.9	6.7	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
21/562	Y50G_100_050$_{d}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.2	−24.6	36.5	44.0	124.0	0.75	1.0	0.5	84.3	−31.4	39.9	50.8	128.1	7.7	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
22/400	G00B_100_050$_{d}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	70.9	−38.2	15.0	41.1	158.5	0.5	1.0	0.5	74.0	−50.5	24.9	56.3	153.7	16.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
23/404	G50B_100_050$_{d}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	75.3	−8.5	−29.4	30.6	253.8	0.5	1.0	1.0	77.9	−23.5	−28.2	36.7	230.1	15.3	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
24/368	B00R_100_050$_{d}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	58.1	24.5	−32.7	40.9	306.8	0.5	0.5	1.0	58.7	23.0	−43.5	49.3	297.8	10.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
25/692	B50R_100_050$_{d}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	73.7	40.6	−5.9	41.1	351.7	1.0	0.5	1.0	74.7	44.0	−19.9	48.3	335.6	14.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
26/688	R00Y_100_050$_{d}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	73.1	34.4	26.7	43.6	37.7	1.0	0.5	0.5	73.1	30.0	34.0	45.4	48.5	8.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
27/506	R00Y_075_050$_{d}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.6	34.4	26.7	43.6	37.7	0.75	0.25	0.25	53.1	30.7	33.6	45.6	47.5	8.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
28/524	R50Y_075_050$_{d}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	62.4	14.4	41.7	44.1	70.9	0.75	0.5	0.25	64.1	6.6	45.9	46.4	81.7	8.9	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
29/542	Y00G_075_050$_{d}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−7.0	53.8	54.3	97.4	0.75	0.75	0.25	72.1	−11.4	56.7	57.8	101.3	5.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
30/380	Y50G_075_050$_{d}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	61.7	−24.6	36.5	44.0	124.0	0.5	0.75	0.25	63.2	−30.0	40.3	50.3	126.6	6.8	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
31/218	G00B_075_050$_{d}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	49.4	−38.2	15.0	41.1	158.5	0.25	0.75	0.25	52.3	−50.5	23.3	55.6	155.2	15.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
32/222	G50B_075_050$_{d}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	53.8	−8.5	−29.4	30.6	253.8	0.25	0.75	0.75	56.7	−26.3	−23.4	35.3	221.6	19.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
33/186	B00R_075_050$_{d}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	36.6	24.5	−32.7	40.9	306.8	0.25	0.25	0.75	38.4	21.1	−37.3	42.9	299.5	5.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
34/510	B50R_075_050$_{d}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.3	40.6	−5.9	41.1	351.7	0.75	0.25	0.75	55.0	42.1	−13.0	44.1	342.7	7.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
35/506	R00Y_075_050$_{d}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.6	34.4	26.7	43.6	37.7	0.75	0.25	0.25	53.1	30.7	33.6	45.6	47.5	8.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
36/324	R00Y_050_050$_{d}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	30.1	34.4	26.7	43.6	37.7	0.5	0.0	0.0	29.4	34.3	24.4	42.1	35.4	2.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
37/342	R50Y_050_050$_{d}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	41.0	14.4	41.7	44.1	70.9	0.5	0.25	0.0	40.8	9.4	39.3	40.4	76.5	5.5	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
38/360	Y00G_050_050$_{d}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	50.9	−7.0	53.8	54.3	97.4	0.5	0.5	0.0	48.9	−7.5	51.2	51.7	98.4	3.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
39/198	Y50G_050_050$_{d}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	40.2	−24.6	36.5	44.0	124.0	0.25	0.5	0.0	40.1	−24.8	35.7	43.5	124.7	0.7	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
40/36	G00B_050_050$_{d}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	28.0	−38.2	15.0	41.1	158.5	0.0	0.5	0.0	29.0	−42.0	15.9	44.9	159.2	3.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
41/40	G50B_050_050$_{d}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	32.3	−8.5	−29.4	30.6	253.8	0.0	0.5	0.5	31.7	−22.2	−23.5	32.4	226.7	14.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
42/4	B00R_050_050$_{d}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	15.2	24.5	−32.7	40.9	306.8	0.0	0.0	0.5	15.2	20.0	−31.9	37.6	302.0	4.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
43/328	B50R_050_050$_{d}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	30.8	40.6	−5.9	41.1	351.7	0.5	0.0	0.5	29.9	41.9	−7.6	42.6	349.6	2.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
44/324	R00Y_050_050$_{d}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	30.1	34.4	26.7	43.6	37.7	0.5	0.0	0.0	29.4	34.3	24.4	42.1	35.4	2.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
45/0	NW_000$_{d}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
46/91	NW_013$_{d}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.5	−0.3	3.7	3.7	95.9	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
47/182	NW_025$_{d}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.6	−0.5	6.5	6.5	94.8	7.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
48/273	NW_038$_{d}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.6	−0.9	7.7	7.7	96.8	8.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
49/364	NW_050$_{d}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.8	−0.9	7.1	7.2	97.4	7.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
50/455	NW_063$_{d}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.1	−0.8	6.2	6.3	97.9	6.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
51/546	NW_075$_{d}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.4	−0.6	4.9	4.9	97.1	4.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
52/637	NW_088$_{d}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.9	−0.3	2.7	2.8	97.3	2.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
53/728	NW_100$_{d}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' =** ***5.0***

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

1-003730-F0

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, ΔE*', 3D=0, de=0, *RGB*

input: *rgb/cmyk* -> rgb_d
output: transfer to rgb_d

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 9/38

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`

`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS

application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

$n=j$	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
0	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1	B00R_012_012$_d$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	12.1	6.1	−8.1	10.2	306.8	0.0	0.0	0.125	12.9	3.1	−6.1	6.9	297.1	3.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
2	B00R_025_025$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	13.1	12.2	−16.3	20.4	306.8	0.0	0.0	0.25	14.4	8.0	−14.6	16.6	298.7	4.8	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
3	B00R_037_037$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	14.1	18.4	−24.5	30.7	306.8	0.0	0.0	0.375	15.1	13.2	−22.8	26.4	300.1	5.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
4	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	15.2	24.5	−32.7	40.9	306.8	0.0	0.0	0.5	15.2	20.0	−31.9	37.6	302.0	4.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
5	B00R_062_062$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	16.2	30.7	−40.9	51.1	306.8	0.0	0.0	0.625	16.6	27.9	−41.3	49.8	304.0	2.8	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
6	B00R_075_075$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	17.2	36.8	−49.1	61.4	306.8	0.0	0.0	0.75	18.4	35.2	−50.5	61.6	304.8	2.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
7	B00R_087_087$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	18.2	43.0	−57.3	71.6	306.8	0.0	0.0	0.875	19.2	42.3	−59.2	72.7	305.5	2.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
8	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
9	G00B_012_012$_d$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	15.3	−9.5	3.7	10.2	158.5	0.0	0.125	0.0	15.9	−9.1	4.0	10.0	156.1	0.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
10	G50B_012_012$_d$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	16.4	−2.1	−7.3	7.6	253.8	0.0	0.125	0.125	15.7	−6.4	−2.3	6.8	200.4	6.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
11	G75B_025_025$_d$	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.125	0.25	17.8	4.6	−17.2	17.8	285.1	0.0	0.125	0.25	17.7	−3.9	−12.0	12.6	251.7	10.0	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
12	G84B_037_037$_d$	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.118	0.375	18.6	12.0	−26.4	29.0	294.4	0.0	0.125	0.375	18.8	1.9	−21.9	22.0	275.0	11.0	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
13	G88B_050_050$_d$	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.116	0.5	19.5	19.2	−35.3	40.2	298.5	0.0	0.125	0.5	20.2	8.8	−31.6	32.8	285.6	11.0	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
14	G90B_062_062$_d$	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.114	0.625	20.3	26.1	−44.0	51.2	300.6	0.0	0.125	0.625	21.9	17.4	−41.9	45.4	292.5	9.0	260	0.0	0.183	1.0	25.9	41.7	−70.5	81.9	300.6
15	G92B_075_075$_d$	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.112	0.75	21.2	32.9	−52.7	62.1	302.0	0.0	0.125	0.75	23.6	26.6	−51.9	58.3	297.1	6.8	262	0.0	0.15	1.0	24.6	43.9	−70.2	82.8	302.0
16	G93B_087_087$_d$	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.116	0.875	22.4	39.4	−61.3	72.9	302.7	0.0	0.125	0.875	23.7	36.4	−61.9	71.8	300.4	3.2	262	0.0	0.133	1.0	24.0	45.0	−70.1	83.3	302.7
17	G94B_100_100$_d$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	23.3	45.8	−69.7	83.4	303.3	0.0	0.125	1.0	23.6	45.5	−70.0	83.5	303.0	0.4	263	0.0	0.116	1.0	23.3	45.8	−69.7	83.4	303.3
18	G00B_025_025$_d$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	19.5	−19.1	7.5	20.5	158.5	0.0	0.25	0.0	20.2	−21.9	8.3	23.4	159.2	3.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
19	G25B_025_025$_d$	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	20.7	−14.5	−3.9	15.0	195.3	0.0	0.25	0.125	20.6	−19.2	0.2	19.2	179.3	6.2	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
20	G50B_025_025$_d$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	21.7	−4.2	−14.7	15.3	253.8	0.0	0.25	0.25	20.8	−14.7	−9.0	17.3	211.5	11.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
21	G65B_037_037$_d$	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.256	0.375	23.4	1.9	−24.8	24.9	274.5	0.0	0.25	0.375	22.4	−9.5	−19.5	21.7	243.9	12.7	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
22	G75B_050_050$_d$	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.25	0.5	24.5	9.3	−34.4	35.7	285.1	0.0	0.25	0.5	24.2	−2.0	−29.7	29.8	265.9	12.3	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
23	G80B_062_062$_d$	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.239	0.625	25.3	16.8	−43.8	46.9	291.0	0.0	0.25	0.625	26.8	5.8	−39.9	40.4	278.3	11.7	247	0.0	0.383	1.0	33.8	26.9	−70.1	75.1	291.0
24	G84B_075_075$_d$	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.237	0.75	26.2	24.0	−52.9	58.1	294.4	0.0	0.25	0.75	28.8	15.6	−50.9	53.2	287.0	9.0	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
25	G86B_087_087$_d$	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.233	0.875	26.9	31.6	−61.9	69.5	297.0	0.0	0.25	0.875	29.4	26.2	−61.8	67.1	292.9	5.9	255	0.0	0.266	1.0	29.2	36.1	−70.8	79.4	297.0
26	G88B_100_100$_d$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5	0.0	0.25	1.0	28.5	37.4	−70.8	80.1	297.8	1.2	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
27	G00B_037_037$_d$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	23.7	−28.7	11.2	30.8	158.5	0.0	0.375	0.0	24.1	−32.4	12.0	34.5	159.5	3.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
28	G15B_037_037$_d$	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.118	25.0	−26.3	0.2	26.3	179.4	0.0	0.375	0.125	24.7	−30.7	3.7	30.9	172.9	5.5	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
29	G34B_037_037$_d$	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.256	26.1	−16.6	−12.1	20.6	216.2	0.0	0.375	0.25	25.3	−25.8	−6.3	26.6	193.7	10.9	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
30	G50B_037_037$_d$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	27.0	−6.3	−22.0	22.9	253.8	0.0	0.375	0.375	25.9	−19.8	−16.2	25.6	219.3	14.6	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
31	G61B_050_050$_d$	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.383	0.5	28.8	−0.5	−32.1	32.1	269.0	0.0	0.375	0.5	28.0	−12.5	−26.9	29.7	244.9	13.1	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
32	G69B_062_062$_d$	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.385	0.625	30.1	6.5	−42.1	42.6	278.8	0.0	0.375	0.625	30.7	−4.2	−37.3	37.5	263.5	11.8	232	0.0	0.616	1.0	41.6	10.5	−67.4	68.2	278.8
33	G75B_075_075$_d$	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.375	0.75	31.2	14.0	−51.7	53.5	285.1	0.0	0.375	0.75	33.0	5.5	−48.6	48.9	276.5	9.1	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
34	G79B_087_087$_d$	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.364	0.875	32.0	21.5	−61.1	64.8	289.3	0.0	0.375	0.875	33.8	16.7	−60.1	62.4	285.5	5.1	245	0.0	0.416	1.0	35.0	24.5	−69.8	74.0	289.3
35	G81B_100_100$_d$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	33.2	28.2	−70.2	75.6	291.8	0.0	0.375	1.0	33.5	27.5	−70.1	75.3	291.4	0.7	248	0.0	0.366	1.0	33.2	28.2	−70.2	75.6	291.8
36	G00B_050_050$_d$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	28.0	−38.2	15.0	41.1	158.5	0.0	0.5	0.0	29.0	−42.0	15.9	44.9	159.2	3.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
37	G11B_050_050$_d$	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.116	29.3	−37.3	4.3	37.6	173.3	0.0	0.5	0.125	29.3	−41.4	6.8	42.0	170.5	4.8	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
38	G25B_050_050$_d$	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.25	30.4	−29.1	−7.9	30.1	195.3	0.0	0.5	0.25	30.3	−36.0	−3.7	36.2	185.9	8.1	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
39	G38B_050_050$_d$	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.383	31.4	−18.6	−19.5	27.0	226.3	0.0	0.5	0.375	31.1	−29.2	−14.5	32.6	206.4	11.7	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
40	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	32.3	−8.5	−29.4	30.6	253.8	0.0	0.5	0.5	31.7	−22.2	−23.5	32.4	226.7	14.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
41	G59B_062_062$_d$	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.51	0.625	34.2	−2.8	−39.5	39.6	265.8	0.0	0.5	0.625	34.8	−13.9	−34.5	37.2	247.9	12.2	219	0.0	0.816	1.0	48.1	−4.5	−63.2	63.4	265.8
42	G65B_075_075$_d$	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.512	0.75	35.6	3.9	−49.6	49.8	274.5	0.0	0.5	0.75	37.1	−4.0	−46.3	46.4	264.9	8.8	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
43	G70B_087_087$_d$	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.51	0.875	36.9	11.1	−59.4	60.5	280.6	0.0	0.5	0.875	38.3	6.8	−58.3	58.7	276.7	4.6	234	0.0	0.583	1.0	40.5	12.7	−67.9	69.1	280.6
44	G75B_100_100$_d$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1	0.0	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
45	G00B_062_062$_d$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	32.2	−47.8	18.7	51.4	158.5	0.0	0.625	0.0	34.1	−51.1	19.5	54.7	159.0	3.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
46	G09B_062_062$_d$	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.114	33.6	−48.1	8.5	48.8	169.9	0.0	0.625	0.125	34.7	−50.7	9.4	51.5	169.4	2.9	159	0.0	1.0	0.183	47.2	−76.9	13.6	78.1	169.9
47	G19B_062_062$_d$	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.239	34.6	−41.4	−3.2	41.5	184.5	0.0	0.625	0.25	35.8	−46.0	−1.1	46.0	181.4	5.1	172	0.0	1.0	0.383	48.7	−66.2	−5.2	66.4	184.5
48	G30B_062_062$_d$	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.385	35.8	−30.9	−16.6	35.1	208.2	0.0	0.625	0.375	36.8	−38.4	−12.0	40.2	197.3	8.8	187	0.0	1.0	0.616	50.7	−49.5	−26.5	56.2	208.2
49	G40B_062_062$_d$	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.51	36.7	−20.8	−27.0	34.1	232.4	0.0	0.625	0.5	37.4	−30.8	−22.0	37.8	215.5	11.1	200	0.0	1.0	0.816	52.1	−33.3	−43.3	54.6	232.4
50	G50B_062_062$_d$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	37.6	−10.6	−36.7	38.2	253.8	0.0	0.625	0.625	38.2	−23.0	−31.1	38.7	233.5	13.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
51	G57B_075_075$_d$	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	39.6	−5.1	−46.8	47.0	263.7	0.0	0.625	0.75	40.9	−13.8	−43.3	45.4	252.2	9.4	217	0.0	0.85	1.0	49.0	−6.8	−62.4	62.7	263.7
52	G63B_087_087$_d$	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.641	0.875	41.2	1.2	−56.9	56.9	271.2	0.0	0.625	0.875	42.4	−2.8	−55.8	55.9	267.0	4.3	224	0.0	0.733	1.0	45.5	1.4	−65.0	65.0	271.2
53	G68B_100_100$_d$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	42.1	9.2	−67.1	67.7	277.8	0.0	0.625	1.0	41.8	9.9	−67.2	68.0	278.4	0.7	231	0.0	0.633	1.0	42.1	9.2	−67.1	67.7	277.8
54	G00B_075_075$_d$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	36.4	−57.4	22.5	61.6	158.5	0.0	0.75	0.0	39.0	−60.5	22.5	64.5	159.5	4.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
55	G07B_075_075$_d$	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.112	38.0	−58.7	12.8	60.1	167.6	0.0	0.75	0.125	39.9	−60.1	11.0	61.1	169.5	2.9	157	0.0	1.0	0.15	47.0	−78.2	17.1	80.1	167.6
56	G15B_075_075$_d$	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.237	38.9	−52.7	0.5	52.7	179.4	0.0	0.75	0.25	40.9	−55.7	0.5	55.7	179.4	3.6	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
57	G25B_075_075$_d$	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.375	40.1	−43.6	−11.9	45.2	195.3	0.0	0.75	0.375	42.2	−48.1	−10.7	49.3	192.5	5.1	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
58	G34B_075_075$_d$	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.512	41.1	−33.2	−24.3	41.2	216.2	0.0	0.75	0.5	43.0	−39.7	−21.2	45.0	208.1	7.4	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
59	G42B_075_075$_d$	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.637	42.1	−22.8	−34.4	41.3	236.4	0.0	0.75	0.625	43.7	−31.5	−30.5	43.9	224.0	9.7	202	0.0	1.0	0.85	52.4	−30.4	−45.9	55.0	236.4
60	G50B_075_075$_d$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	42.9	−12.7	−44.1	45.9	253.8	0.0	0.75	0.75	44.4	−22.8	−40.2	46.3	240.3	10.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
61	G56B_087_087$_d$	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.758	0.875	44.7	−7.0	−54.2	54.6	262.6	0.0	0.75	0.875	46.0	−11.9	−52.8	54.2	257.2	5.2	217	0.0	0.866	1.0	49.5	−8.0	−61.9	62.4	262.6
62	G61B_100_100$_d$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0	0.0	0.75	1.0	46.1	0.1	−64.6	64.6	270.1	1.3	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
63	G00B_087_087$_d$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	40.6	−67.0	26.2	71.9	158.5	0.0	0.875	0.0	42.6	−69.8	26.0	74.5	159.5	3.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
64	G06B_087_087$_d$	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.116	42.4	−69.0	16.5	70.9	166.4	0.0	0.875	0.125	43.7	−69.2	13.9	70.6	168.6	2.9	157	0.0	1.0	0.133	46.9	−78.8	18.9	81.1	166.4
65	G13B_087_087$_d$	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.233	43.1	−63.9	4.7	64.0	175.7	0.0	0.875	0.25	44.7	−64.9	2.7	65.0	177.5	2.7	164	0.0	1.0	0.266	47.7	−73.0	5.4	73.2	175.7
66	G20B_087_087$_d$	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.364	44.2	−56.1	−7.4	56.6	187.6	0.0	0.875	0.375	45.9	−58.4	−7.9	59.0	187.7	2.8	174	0.0	1.0	0.416	49.0	−64.1	−8.5	64.7	187.6
67	G29B_087_087$_d$	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.51	45.5	−45.7	−20.8	50.2	204.5	0.0	0.875	0.5	47.1	−49.5	−19.4	53.2	201.3	4.4	185	0.0	1.0	0.583	50.4	−52.2	−23.8	57.4	204.5
68	G36B_087_087$_d$	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.641	46.4	−35.0	−31.8	47.3	222.2	0.0	0.875	0.625	47.9	−39.9	−30.0	50.0	216.9	5.4	195	0.0	1.0	0.733	51.5	−40.0	−36.3	54.0	222.2
69	G43B_087_087$_d$	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.758	47.4	−25.2	−41.2	48.3	238.4	0.0	0.875	0.75	48.6	−30.6	−39.6	50.1	232.2	5.7	202	0.0	1.0	0.866	52.6	−28.9	−47.1	55.3	238.4
70	G50B_087_087$_d$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	48.3	−14.9	−51.4	53.5	253.8	0.0	0.875	0.875	49.5	−20.7	−49.9	54.0	247.3	6.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
71	G55B_100_100$_d$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	50.0	−9.1	−61.5	62.2	261.5	0.0	0.875	1.0	49.8	−8.5	−61.7	62.3	262.1	0.6	216	0.0	0.883	1.0	50.0	−9.1	−61.5	62.2	261.5
72	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
73	G05B_100_100$_d$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	46.7	−79.0	20.5	81.6	165.4	0.0	1.0	0.125	46.8	−79.1	19.8	81.6	165.9	0.7	156	0.0	1.0	0.116	46.7	−79.0	20.5	81.6	165.4
74	G11B_100_100$_d$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3	0.0	1.0	0.25	47.5	−73.8	7.0	74.2	174.5	1.7	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
75	G18B_100_100$_d$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	48.6	−67.2	−3.6	67.3	183.1	0.0	1.0	0.375	48.6	−66.7	−4.3	66.9	183.7	0.8	171	0.0	1.0	0.366	48.6	−67.2	−3.6	67.3	183.1
76	G25B_100_100$_d$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3	0.0	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
77	G31B_100_100$_d$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	50.8	−48.2	−28.0	55.7	210.1	0.0	1.0	0.625	50.8	−48.8	−27.2	55.9	209.1	0.9	188	0.0	1.0	0.633	50.8	−48.2	−28.0	55.7	210.1
78	G38B_100_100$_d$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3	0.0	1.0	0.75	51.6	−38.4	−37.5	53.7	224.3	1.9	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
79	G44B_100_100$_d$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	52.7	−27.5	−48.5	55.8	240.4	0.0	1.0	0.875	52.6	−28.1	−47.7	55.4	239.4	1.0	203	0.0	1.0	0.883	52.7	−27.5	−48.5	55.8	240.4
80	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta *E*' =** ***5.6***

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ZE140−7N, Page 9/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015

colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d

output: transfer to rgb_d

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n	HIC*$_{Fd}$	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
81	R00Y_012_012$_d$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	15.8	8.6	6.6	10.9	37.7	0.125	0.0	0.0	15.8	6.2	5.9	8.6	43.4	2.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
82	B50R_012_012$_d$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	16.0	10.1	−1.4	10.2	351.7	0.125	0.0	0.125	15.5	7.6	−0.2	7.6	357.8	2.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
83	B25R_025_025$_d$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.125	0.0	0.25	17.0	16.1	−10.1	19.0	328.0	0.125	0.0	0.25	17.6	14.3	−8.1	16.5	330.5	2.7	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
84	B15R_037_037$_d$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.118	0.0	0.375	17.6	22.5	−19.0	29.5	319.7	0.125	0.0	0.375	18.9	19.8	−16.4	25.7	320.3	3.9	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
85	B11R_050_050$_d$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.116	0.0	0.5	18.3	28.9	−27.5	39.9	316.3	0.125	0.0	0.5	19.3	26.5	−25.3	36.7	316.2	3.3	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
86	B09R_062_062$_d$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.114	0.0	0.625	18.9	35.3	−36.1	50.5	314.3	0.125	0.0	0.625	20.7	33.7	−34.4	48.2	314.3	2.8	279	0.183	0.0	1.0	23.7	56.5	−57.8	80.8	314.3
87	B07R_075_075$_d$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.112	0.0	0.75	19.6	41.7	−44.6	61.1	313.0	0.125	0.0	0.75	22.3	41.1	−44.1	60.3	313.0	2.8	278	0.15	0.0	1.0	22.4	55.6	−59.5	81.5	313.0
88	B06R_087_087$_d$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.116	0.0	0.875	20.5	48.2	−52.9	71.5	312.3	0.125	0.0	0.875	23.1	47.5	−53.0	71.2	311.8	2.7	277	0.133	0.0	1.0	21.8	55.1	−60.4	81.8	312.3
89	B05R_100_100$_d$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	21.3	54.5	−61.2	81.9	311.6	0.125	0.0	1.0	21.5	54.8	−60.8	81.9	312.0	0.5	276	0.116	0.0	1.0	21.3	54.5	−61.2	81.9	311.6
90	Y00G_012_012$_d$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	21.0	−1.7	13.4	13.5	97.4	0.125	0.125	0.0	18.8	−1.9	11.0	11.2	99.7	3.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
91	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.5	−0.3	3.7	3.7	95.9	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
92	B00R_025_012$_d$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	22.8	6.1	−8.1	10.2	306.8	0.125	0.125	0.25	20.1	3.9	−7.0	8.0	299.5	3.7	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
93	B00R_037_025$_d$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	23.9	12.2	−16.3	20.4	306.8	0.125	0.125	0.375	22.0	8.7	−15.7	18.0	299.1	4.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
94	B00R_050_037$_d$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	24.9	18.4	−24.5	30.7	306.8	0.125	0.125	0.5	23.9	14.4	−25.0	28.9	299.9	4.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
95	B00R_062_050$_d$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	25.9	24.5	−32.7	40.9	306.8	0.125	0.125	0.625	26.2	21.9	−35.1	41.4	301.9	3.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
96	B00R_075_062$_d$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	26.9	30.7	−40.9	51.1	306.8	0.125	0.125	0.75	27.6	31.0	−46.1	55.6	303.9	5.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
97	B00R_087_075$_d$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	28.0	36.8	−49.1	61.4	306.8	0.125	0.125	0.875	28.6	39.7	−55.9	68.6	305.3	7.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
98	B00R_100_087$_d$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	29.0	43.0	−57.3	71.6	306.8	0.125	0.125	1.0	27.0	49.0	−65.3	81.6	306.8	10.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
99	Y50G_025_025$_d$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	25.6	−12.3	18.2	22.0	124.0	0.125	0.25	0.0	25.2	−12.5	17.9	21.8	124.9	0.5	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
100	G00B_025_012$_d$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	26.0	−9.5	3.7	10.2	158.5	0.125	0.25	0.125	24.4	−13.5	10.2	16.9	142.8	7.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
101	G50B_025_012$_d$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	27.1	−2.1	−7.3	7.6	253.8	0.125	0.25	0.25	24.6	−8.9	−1.3	9.0	188.4	9.4	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
102	G75B_037_025$_d$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.25	0.375	28.5	4.6	−17.2	17.8	285.1	0.125	0.25	0.375	26.6	−4.9	−12.1	13.1	247.7	11.0	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
103	G84B_050_037$_d$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.243	0.5	29.4	12.0	−26.4	29.0	294.4	0.125	0.25	0.5	28.7	1.3	−22.0	22.1	273.4	11.6	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
104	G88B_062_050$_d$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.241	0.625	30.2	19.2	−35.3	40.2	298.5	0.125	0.25	0.625	31.5	8.0	−32.4	33.4	283.9	11.6	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
105	G90B_075_062$_d$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.239	0.75	31.1	26.1	−44.0	51.2	300.6	0.125	0.25	0.75	33.7	17.1	−44.0	47.2	291.3	9.2	260	0.0	0.183	1.0	25.9	41.7	−70.5	81.9	300.6
106	G92B_087_075$_d$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.237	0.875	32.0	32.9	−52.7	62.1	302.0	0.125	0.25	0.875	34.2	27.6	−55.5	62.0	296.4	6.4	262	0.0	0.15	1.0	24.6	43.9	−70.2	82.8	302.0
107	G93B_100_087$_d$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.241	1.0	33.1	39.4	−61.3	72.9	302.7	0.125	0.25	1.0	32.9	38.3	−65.8	76.2	300.2	4.6	262	0.0	0.133	1.0	24.0	45.0	−70.1	83.3	302.7
108	Y68G_037_037$_d$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.118	0.375	0.0	30.0	−23.5	22.1	32.2	136.6	0.125	0.375	0.0	29.7	−24.4	22.0	32.9	137.9	0.9	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
109	G00B_037_025$_d$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	30.3	−19.1	7.5	20.5	158.5	0.125	0.375	0.125	29.2	−25.3	13.9	28.9	151.3	8.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
110	G25B_037_025$_d$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	31.5	−14.5	−3.9	15.0	195.3	0.125	0.375	0.25	30.0	−21.1	3.2	21.3	171.3	9.8	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
111	G50B_037_025$_d$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	32.4	−4.2	−14.7	15.3	253.8	0.125	0.375	0.375	30.8	−16.1	−7.8	17.9	205.9	13.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
112	G65B_050_037$_d$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.381	0.5	34.1	1.9	−24.8	24.9	274.5	0.125	0.375	0.5	32.7	−11.0	−18.8	21.8	239.4	14.4	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
113	G75B_062_050$_d$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.375	0.625	35.2	9.3	−34.4	35.7	285.1	0.125	0.375	0.625	35.7	−3.6	−29.5	29.7	262.9	13.9	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
114	G80B_075_062$_d$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.364	0.75	36.0	16.8	−43.8	46.9	291.0	0.125	0.375	0.75	38.2	4.4	−41.6	41.8	276.0	12.8	247	0.0	0.383	1.0	33.8	26.9	−70.1	75.1	291.0
115	G84B_087_075$_d$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.362	0.875	36.9	24.0	−52.9	58.1	294.4	0.125	0.375	0.875	39.5	14.6	−53.6	55.6	285.3	9.7	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
116	G86B_100_087$_d$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.358	1.0	37.6	31.6	−61.9	69.5	297.0	0.125	0.375	1.0	38.3	26.8	−64.8	70.1	292.4	5.6	255	0.0	0.266	1.0	29.2	36.1	−70.8	79.4	297.0
117	Y76G_050_050$_d$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.116	0.5	0.0	34.4	−34.1	25.7	42.7	143.0	0.125	0.5	0.0	34.2	−35.1	26.7	44.1	142.6	1.4	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
118	G00B_050_037$_d$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	34.5	−28.7	11.2	30.8	158.5	0.125	0.5	0.125	34.2	−36.9	17.5	40.8	154.5	10.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
119	G15B_050_037$_d$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.243	35.7	−26.3	0.2	26.3	179.4	0.125	0.5	0.25	35.3	−33.0	6.8	33.7	168.2	9.4	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
120	G34B_050_037$_d$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.381	36.8	−16.6	−12.1	20.6	216.2	0.125	0.5	0.375	36.0	−27.8	−4.4	28.1	188.9	13.6	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
121	G50B_050_037$_d$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	37.7	−6.3	−22.0	22.9	253.8	0.125	0.5	0.5	36.5	−21.9	−14.9	26.5	214.2	17.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
122	G61B_062_050$_d$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.508	0.625	39.6	−0.5	−32.1	32.1	269.0	0.125	0.5	0.625	39.7	−15.0	−26.6	30.6	240.6	15.5	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
123	G69B_075_062$_d$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.51	0.75	40.9	6.5	−42.1	42.6	278.8	0.125	0.5	0.75	42.5	−6.0	−38.8	39.2	261.0	13.1	232	0.0	0.616	1.0	41.6	10.5	−67.4	68.2	278.8
124	G75B_087_075$_d$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.5	0.875	42.0	14.0	−51.7	53.5	285.1	0.125	0.5	0.875	43.7	3.9	−51.5	51.7	274.3	10.2	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
125	G79B_100_087$_d$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.489	1.0	42.8	21.5	−61.1	64.8	289.3	0.125	0.5	1.0	42.6	16.4	−63.6	65.7	284.5	5.6	245	0.0	0.416	1.0	35.0	24.5	−69.8	74.0	289.3
126	Y81G_062_062$_d$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.114	0.625	0.0	38.7	−44.6	29.0	53.2	146.9	0.125	0.625	0.0	39.7	−46.1	30.9	55.6	146.1	2.7	140	0.183	1.0	0.0	55.2	−71.4	46.4	85.2	146.9
127	G00B_062_050$_d$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	38.7	−38.2	15.0	41.1	158.5	0.125	0.625	0.125	39.5	−48.4	20.9	52.8	156.5	11.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
128	G11B_062_050$_d$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.241	40.0	−37.3	4.3	37.6	173.3	0.125	0.625	0.25	41.0	−44.6	9.9	45.7	167.4	9.2	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
129	G25B_062_050$_d$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.375	41.1	−29.1	−7.9	30.1	195.3	0.125	0.625	0.375	42.0	−38.9	−2.3	39.0	183.4	11.3	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
130	G38B_062_050$_d$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.508	42.1	−18.6	−19.5	27.0	226.3	0.125	0.625	0.5	43.0	−32.2	−12.7	34.7	201.6	15.2	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
131	G50B_062_050$_d$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	43.1	−8.5	−29.4	30.6	253.8	0.125	0.625	0.625	43.5	−26.0	−23.1	34.8	221.6	18.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
132	G59B_075_062$_d$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.635	0.75	44.9	−2.8	−39.5	39.6	265.8	0.125	0.625	0.75	46.4	−17.1	−35.8	39.7	244.3	14.8	219	0.0	0.816	1.0	48.1	−4.5	−63.2	63.4	265.8
133	G65B_087_075$_d$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.637	0.875	46.4	3.9	−49.6	49.8	274.5	0.125	0.625	0.875	48.0	−6.8	−48.7	49.2	261.9	10.9	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
134	G70B_100_087$_d$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.635	1.0	47.6	11.1	−59.4	60.5	280.6	0.125	0.625	1.0	46.9	5.1	−61.3	61.6	274.8	6.3	234	0.0	0.583	1.0	40.5	12.7	−67.9	69.1	280.6
135	Y85G_075_075$_d$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.112	0.75	0.0	43.0	−55.0	32.2	63.7	149.6	0.125	0.75	0.0	45.6	−55.9	35.2	66.1	147.8	4.0	142	0.15	1.0	0.0	53.6	−73.3	42.9	85.0	149.6
136	G00B_075_062$_d$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	42.9	−47.8	18.7	51.4	158.5	0.125	0.75	0.125	45.3	−58.8	24.2	63.6	157.6	12.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
137	G09B_075_062$_d$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.239	44.4	−48.1	8.5	48.8	169.9	0.125	0.75	0.25	46.4	−55.7	11.9	57.0	167.9	8.6	159	0.0	1.0	0.183	47.2	−76.9	13.6	78.1	169.9
138	G19B_075_062$_d$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.364	45.3	−41.4	−3.2	41.5	184.5	0.125	0.75	0.375	47.9	−49.6	−0.1	49.6	180.2	9.1	172	0.0	1.0	0.383	48.7	−66.2	−5.2	66.4	184.5
139	G30B_075_062$_d$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.51	46.6	−30.9	−16.6	35.1	208.2	0.125	0.75	0.5	49.0	−42.6	−11.0	44.0	194.5	13.0	187	0.0	1.0	0.616	50.7	−49.5	−26.5	56.2	208.2
140	G40B_075_062$_d$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.635	47.5	−20.8	−27.0	34.1	232.4	0.125	0.75	0.625	49.8	−35.1	−22.1	41.5	212.2	15.2	200	0.0	1.0	0.816	52.1	−33.3	−43.3	54.6	232.4
141	G50B_075_062$_d$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	48.4	−10.6	−36.7	38.2	253.8	0.125	0.75	0.75	50.6	−27.6	−32.1	42.4	229.2	17.7	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
142	G57B_087_075$_d$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	50.3	−5.1	−46.8	47.0	263.7	0.125	0.75	0.875	51.8	−17.0	−45.7	48.8	249.5	12.0	217	0.0	0.85	1.0	49.0	−6.8	−62.4	62.7	263.7
143	G63B_100_087$_d$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.766	1.0	52.0	1.2	−56.9	56.9	271.2	0.125	0.75	1.0	51.0	−5.2	−58.9	59.2	264.8	6.9	224	0.0	0.733	1.0	45.5	1.4	−65.0	65.0	271.2
144	Y86G_087_087$_d$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.116	0.875	0.0	47.6	−64.9	36.0	74.3	150.9	0.125	0.875	0.0	49.7	−66.5	38.6	76.9	149.8	3.7	142	0.133	1.0	0.0	52.8	−74.2	41.2	84.9	150.9
145	G00B_087_075$_d$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	47.1	−57.4	22.5	61.6	158.5	0.125	0.875	0.125	49.8	−68.7	27.1	73.8	158.4	12.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
146	G07B_087_075$_d$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.237	48.7	−58.7	12.8	60.1	167.6	0.125	0.875	0.25	50.6	−66.9	16.0	68.8	166.5	9.0	157	0.0	1.0	0.15	47.0	−78.2	17.1	80.1	167.6
147	G15B_087_075$_d$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.362	49.6	−52.7	0.5	52.7	179.4	0.125	0.875	0.375	52.2	−61.3	3.9	61.4	176.2	9.6	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
148	G25B_087_075$_d$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.5	50.8	−43.6	−11.9	45.2	195.3	0.125	0.875	0.5	53.5	−53.3	−9.3	54.1	189.8	10.3	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
149	G34B_087_075$_d$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.637	51.9	−33.2	−24.3	41.2	216.2	0.125	0.875	0.625	54.7	−45.0	−20.5	49.4	204.5	12.7	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
150	G42B_087_075$_d$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.762	52.8	−22.8	−34.4	41.3	236.4	0.125	0.875	0.75	55.5	−36.7	−31.1	48.1	220.3	14.5	202	0.0	1.0	0.85	52.4	−30.4	−45.9	55.0	236.4
151	G50B_087_075$_d$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	53.7	−12.7	−44.1	45.9	253.8	0.125	0.875	0.875	56.4	−27.6	−42.2	50.4	236.8	15.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
152	G56B_100_087$_d$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.883	1.0	55.5	−7.0	−54.2	54.6	262.6	0.125	0.875	1.0	55.2	−15.7	−56.2	58.4	254.4	8.9	217	0.0	0.866	1.0	49.5	−8.0	−61.9	62.4	262.6
153	Y88G_100_100$_d$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	51.9	−74.8	39.6	84.7	152.0	0.125	1.0	0.0	52.4	−74.6	40.3	84.8	151.6	0.8	143	0.116	1.0	0.0	51.9	−74.8	39.6	84.7	152.0
154	G00B_100_087$_d$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	51.4	−67.0	26.2	71.9	158.5	0.125	1.0	0.125	51.6	−77.2	33.0	83.9	156.8	12.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
155	G06B_100_087$_d$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.241	53.1	−69.0	16.5	70.9	166.4	0.125	1.0	0.25	52.0	−76.8	19.6	79.3	165.6	8.4	157	0.0	1.0	0.133	46.9	−78.8	18.9	81.1	166.4
156	G13B_100_087$_d$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.358	53.8	−63.9	4.7	64.0	175.7	0.125	1.0	0.375	53.4	−71.0	6.0	71.2	175.1	7.2	164	0.0	1.0	0.266	47.7	−73.0	5.4	73.2	175.7
157	G20B_100_087$_d$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.489	55.0	−56.1	−7.4	56.6	187.6	0.125	1.0	0.5	54.8	−64.0	−5.3	64.2	184.7	8.2	174	0.0	1.0	0.416	49.0	−64.1	−8.5	64.7	187.6
158	G29B_100_087$_d$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.635	56.2	−45.7	−20.8	50.2	204.5	0.125	1.0	0.625	56.4	−55.2	−17.9	58.0	197.9	9.9	185	0.0	1.0	0.583	50.4	−52.2	−23.8	57.4	204.5
159	G36B_100_087$_d$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.766	57.2	−35.0	−31.8	47.3	222.2	0.125	1.0	0.75	57.5	−46.0	−29.7	54.7	212.8	11.2	195	0.0	1.0	0.733	51.5	−40.0	−36.3	54.0	222.2
160	G43B_100_087$_d$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.883	58.1	−25.2	−41.2	48.3	238.4	0.125	1.0	0.875	58.4	−36.9	−40.9	55.1	227.8	11.7	202	0.0	1.0	0.866	52.6	−28.9	−47.1	55.3	238.4
161	G50B_100_087$_d$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	59.0	−14.9	−51.4	53.5	253.8	0.125	1.0	1.0	59.3	−26.1	−53.0	59.1	243.7	11.3	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta $E^{*\prime}$ = 8.7**

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
162	R00Y_025_025$_d$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	20.6	17.2	13.3	21.8	37.7	0.25	0.0	0.0	20.8	15.2	11.8	19.2	37.7	2.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
163	R00Y_025_025$_d$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.125	20.8	18.3	5.6	19.2	17.1	0.25	0.0	0.125	20.8	16.8	5.5	17.7	18.2	1.4	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
164	B50R_025_025$_d$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	20.9	20.3	−2.9	20.5	351.7	0.25	0.0	0.25	20.8	19.3	−3.0	19.6	351.1	0.9	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
165	B34R_037_037$_d$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.256	0.0	0.375	22.1	26.4	−11.1	28.7	337.0	0.25	0.0	0.375	22.2	26.1	−10.8	28.3	337.4	0.4	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
166	B25R_050_050$_d$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.25	0.0	0.5	22.9	32.3	−20.2	38.1	328.0	0.25	0.0	0.5	23.5	32.5	−18.8	37.5	329.9	1.4	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
167	B19R_062_062$_d$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.239	0.0	0.625	23.4	38.6	−29.5	48.6	322.5	0.25	0.0	0.625	24.9	39.2	−28.0	48.2	324.5	2.2	292	0.383	0.0	1.0	30.8	61.8	−47.3	77.8	322.5
168	B15R_075_075$_d$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.237	0.0	0.75	24.1	45.0	−38.1	59.0	319.7	0.25	0.0	0.75	26.5	45.6	−37.6	59.2	320.4	2.4	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
169	B13R_087_087$_d$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.233	0.0	0.875	24.8	51.3	−46.7	69.4	317.7	0.25	0.0	0.875	27.0	52.6	−46.6	70.3	318.4	2.5	284	0.266	0.0	1.0	26.7	58.7	−53.4	79.4	317.7
170	B11R_100_100$_d$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3	0.25	0.0	1.0	26.2	58.2	−54.2	79.6	317.0	1.1	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
171	R50Y_025_025$_d$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.125	0.0	26.0	7.2	20.8	22.0	70.9	0.25	0.125	0.0	25.6	3.7	19.1	19.4	78.8	3.8	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
172	R00Y_025_012$_d$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	26.6	8.6	6.6	10.9	37.7	0.25	0.125	0.125	24.4	7.4	12.1	14.2	58.4	6.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
173	B50R_025_012$_d$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	26.7	10.1	−1.4	10.2	351.7	0.25	0.125	0.25	24.4	9.6	0.9	9.6	5.3	3.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
174	B25R_037_025$_d$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.25	0.124	0.375	27.7	16.1	−10.1	19.0	328.0	0.25	0.125	0.375	26.3	15.4	−9.0	17.9	329.7	1.9	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
175	B15R_050_037$_d$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.243	0.124	0.5	28.3	22.5	−19.0	29.5	319.7	0.25	0.125	0.5	28.5	20.8	−18.2	27.6	318.8	1.9	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
176	B11R_062_050$_d$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.241	0.125	0.625	29.0	28.9	−27.5	39.9	316.3	0.25	0.125	0.625	30.8	27.5	−28.3	39.5	314.1	2.3	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
177	B09R_075_062$_d$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.239	0.125	0.75	29.7	35.3	−36.1	50.5	314.3	0.25	0.125	0.75	32.6	35.2	−39.1	52.6	311.9	4.2	279	0.183	0.0	1.0	23.7	56.5	−57.8	80.8	314.3
178	B07R_087_075$_d$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.237	0.125	0.875	30.3	41.7	−44.6	61.1	313.0	0.25	0.125	0.875	32.9	44.0	−49.8	66.5	311.4	6.2	278	0.15	0.0	1.0	22.4	55.6	−59.5	81.5	313.0
179	B06R_100_087$_d$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.241	0.125	1.0	31.2	48.2	−52.9	71.5	312.3	0.25	0.125	1.0	31.6	52.1	−59.5	79.1	311.2	7.7	277	0.133	0.0	1.0	21.8	55.1	−60.4	81.8	312.3
180	Y00G_025_025$_d$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	31.0	−3.5	26.9	27.1	97.4	0.25	0.25	0.0	29.1	−4.1	24.4	24.8	99.5	3.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
181	Y00G_025_012$_d$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	31.8	−1.7	13.4	13.5	97.4	0.25	0.25	0.125	29.0	−3.6	19.4	19.7	100.6	6.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
182	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.6	−0.5	6.5	6.5	94.8	7.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
183	B00R_037_012$_d$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	33.6	6.1	−8.1	10.2	306.8	0.25	0.25	0.375	31.2	2.4	−4.4	5.1	299.0	5.7	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
184	B00R_050_025$_d$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	34.6	12.2	−16.3	20.4	306.8	0.25	0.25	0.5	32.9	8.0	−15.6	17.6	297.3	4.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
185	B00R_062_037$_d$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	35.6	18.4	−24.5	30.7	306.8	0.25	0.25	0.625	36.1	13.4	−25.8	29.1	297.5	5.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
186	B00R_075_050$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	36.6	24.5	−32.7	40.9	306.8	0.25	0.25	0.75	38.4	21.1	−37.3	42.9	299.5	5.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
187	B00R_087_062$_d$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	37.7	30.7	−40.9	51.1	306.8	0.25	0.25	0.875	39.2	31.1	−49.0	58.0	302.4	8.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
188	B00R_100_075$_d$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	38.7	36.8	−49.1	61.4	306.8	0.25	0.25	1.0	37.9	40.9	−59.8	72.5	304.3	11.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
189	Y31G_037_037$_d$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.256	0.375	0.0	36.1	−13.3	32.5	35.1	112.3	0.25	0.375	0.0	34.9	−13.9	30.8	33.8	114.4	2.1	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
190	Y50G_037_025$_d$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	36.4	−12.3	18.2	22.0	124.0	0.25	0.375	0.125	35.3	−14.7	24.4	28.5	121.1	6.6	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
191	G00B_037_012$_d$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	36.8	−9.5	3.7	10.2	158.5	0.25	0.375	0.25	35.3	−12.7	13.8	18.7	132.6	10.6	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
192	G50B_037_012$_d$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	37.9	−2.1	−7.3	7.6	253.8	0.25	0.375	0.375	35.7	−8.1	0.5	8.1	176.1	10.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
193	G75B_050_025$_d$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.375	0.5	39.3	4.6	−17.2	17.8	285.1	0.25	0.375	0.5	38.7	−4.6	−10.6	11.5	246.4	11.4	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
194	G84B_062_037$_d$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.368	0.625	40.1	12.0	−26.4	29.0	294.4	0.25	0.375	0.625	40.7	1.1	−22.5	22.5	272.8	11.6	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
195	G88B_075_050$_d$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.366	0.75	40.9	19.2	−35.3	40.2	298.5	0.25	0.375	0.75	43.6	8.2	−34.3	35.3	283.4	11.3	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
196	G90B_087_062$_d$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.364	0.875	41.8	26.1	−44.0	51.2	300.6	0.25	0.375	0.875	44.6	17.6	−46.6	49.8	290.7	9.2	260	0.0	0.183	1.0	25.9	41.7	−70.5	81.9	300.6
197	G92B_100_075$_d$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.362	1.0	42.7	32.9	−52.7	62.1	302.0	0.25	0.375	1.0	43.8	28.4	−58.2	64.8	296.0	7.2	262	0.0	0.15	1.0	24.6	43.9	−70.2	82.8	302.0
198	Y50G_050_050$_d$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	40.2	−24.6	36.5	44.0	124.0	0.25	0.5	0.0	40.1	−24.8	35.7	43.5	124.7	0.7	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
199	Y68G_050_037$_d$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.243	0.5	0.124	40.7	−23.5	22.1	32.2	136.6	0.25	0.5	0.125	39.9	−26.8	27.3	38.3	134.4	6.2	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
200	G00B_050_025$_d$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	41.0	−19.1	7.5	20.5	158.5	0.25	0.5	0.25	40.7	−25.1	17.0	30.4	145.9	11.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
201	G25B_050_025$_d$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	42.2	−14.5	−3.9	15.0	195.3	0.25	0.5	0.375	41.7	−20.4	5.1	21.1	165.8	10.9	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
202	G50B_050_025$_d$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	43.2	−4.2	−14.7	15.3	253.8	0.25	0.5	0.5	42.5	−14.9	−6.0	16.1	202.0	13.7	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
203	G65B_062_037$_d$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.506	0.625	44.8	1.9	−24.8	24.9	274.5	0.25	0.5	0.625	45.5	−11.1	−18.2	21.4	238.4	14.7	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
204	G75B_075_050$_d$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.5	0.75	46.0	9.3	−34.4	35.7	285.1	0.25	0.5	0.75	47.9	−3.3	−31.5	31.7	264.0	13.1	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
205	G80B_087_062$_d$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.489	0.875	46.8	16.8	−43.8	46.9	291.0	0.25	0.5	0.875	49.4	5.5	−44.0	44.4	277.1	11.6	247	0.0	0.383	1.0	33.8	26.9	−70.1	75.1	291.0
206	G84B_100_075$_d$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.487	1.0	47.6	24.0	−52.9	58.1	294.4	0.25	0.5	1.0	48.5	16.9	−56.5	58.9	286.6	8.0	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
207	Y61G_062_062$_d$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.239	0.625	0.0	44.5	−36.1	40.4	54.2	131.7	0.25	0.625	0.0	45.6	−36.5	40.3	54.4	132.1	1.2	127	0.383	1.0	0.0	64.5	−57.7	64.6	86.7	131.7
208	Y76G_062_050$_d$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.241	0.625	0.125	45.1	−34.1	25.7	42.7	143.0	0.25	0.625	0.125	45.5	−39.7	30.4	50.0	142.5	7.3	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
209	G00B_062_037$_d$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	45.2	−28.7	11.2	30.8	158.5	0.25	0.625	0.25	46.5	−37.8	20.0	42.8	152.0	12.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
210	G15B_062_037$_d$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.368	46.4	−26.3	0.2	26.3	179.4	0.25	0.625	0.375	47.6	−32.9	7.8	33.8	166.6	10.0	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
211	G34B_062_037$_d$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.506	47.6	−16.6	−12.1	20.6	216.2	0.25	0.625	0.5	48.6	−27.2	−3.9	27.5	188.2	13.5	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
212	G50B_062_037$_d$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	48.5	−6.3	−22.0	22.9	253.8	0.25	0.625	0.625	49.3	−21.4	−14.3	25.7	213.7	16.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
213	G61B_075_050$_d$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.633	0.75	50.3	−0.5	−32.1	32.1	269.0	0.25	0.625	0.75	52.5	−15.2	−27.5	31.4	240.9	15.6	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
214	G69B_087_062$_d$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.635	0.875	51.6	6.5	−42.1	42.6	278.8	0.25	0.625	0.875	53.8	−6.0	−41.2	41.6	261.6	12.8	232	0.0	0.616	1.0	41.6	10.5	−67.4	68.2	278.8
215	G75B_100_075$_d$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.625	1.0	52.7	14.0	−51.7	53.5	285.1	0.25	0.625	1.0	53.0	4.9	−54.3	54.5	275.2	9.4	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
216	Y68G_075_075$_d$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.237	0.75	0.0	48.9	−47.0	44.3	64.5	136.6	0.25	0.75	0.0	51.4	−47.8	45.0	65.7	136.7	2.6	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
217	Y81G_075_062$_d$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.239	0.75	0.125	49.4	−44.6	29.0	53.2	146.9	0.25	0.75	0.125	51.3	−51.7	34.4	62.1	146.3	9.0	140	0.183	1.0	0.0	55.2	−71.4	46.4	85.2	146.9
218	G00B_075_050$_d$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	49.4	−38.2	15.0	41.1	158.5	0.25	0.75	0.25	52.3	−50.5	23.3	55.6	155.2	15.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
219	G11B_075_050$_d$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.366	50.7	−37.3	4.3	37.6	173.3	0.25	0.75	0.375	53.7	−45.5	10.5	46.7	167.0	10.6	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
220	G25B_075_050$_d$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.5	51.9	−29.1	−7.9	30.1	195.3	0.25	0.75	0.5	54.9	−39.2	−1.5	39.2	182.3	12.3	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
221	G38B_075_050$_d$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.633	52.9	−18.6	−19.5	27.0	226.3	0.25	0.75	0.625	55.9	−32.9	−12.5	35.2	200.8	16.2	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
222	G50B_075_050$_d$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	53.8	−8.5	−29.4	30.6	253.8	0.25	0.75	0.75	56.7	−26.3	−23.4	35.3	221.6	19.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
223	G59B_087_062$_d$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.76	0.875	55.7	−2.8	−39.5	39.6	265.8	0.25	0.75	0.875	58.2	−17.3	−37.6	41.4	245.2	14.8	219	0.0	0.816	1.0	48.1	−4.5	−63.2	63.4	265.8
224	G65B_100_075$_d$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.762	1.0	57.1	3.9	−49.6	49.8	274.5	0.25	0.75	1.0	57.5	−6.7	−51.8	52.2	262.5	10.9	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
225	Y73G_087_087$_d$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.233	0.875	0.0	53.2	−57.8	47.7	74.9	140.4	0.25	0.875	0.0	55.9	−58.3	50.4	77.1	139.1	3.8	135	0.266	1.0	0.0	59.2	−66.0	54.5	85.7	140.4
226	Y85G_087_075$_d$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.237	0.875	0.125	53.7	−55.0	32.2	63.7	149.6	0.25	0.875	0.125	55.4	−63.2	38.3	73.9	148.7	10.4	142	0.15	1.0	0.0	53.6	−73.3	42.9	85.0	149.6
227	G00B_087_062$_d$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	53.6	−47.8	18.7	51.4	158.5	0.25	0.875	0.25	56.6	−62.6	27.9	68.6	155.9	17.6	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
228	G09B_087_062$_d$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.364	55.1	−48.1	8.5	48.8	169.9	0.25	0.875	0.375	58.0	−58.8	15.5	60.9	165.2	13.1	159	0.0	1.0	0.183	47.2	−76.9	13.6	78.1	169.9
229	G19B_087_062$_d$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.489	56.1	−41.4	−3.2	41.5	184.5	0.25	0.875	0.5	59.8	−51.9	2.5	51.9	177.2	12.5	172	0.0	1.0	0.383	48.7	−66.2	−5.2	66.4	184.5
230	G30B_087_062$_d$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.635	57.3	−30.9	−16.6	35.1	208.2	0.25	0.875	0.625	61.0	−44.6	−10.0	45.7	192.6	15.5	187	0.0	1.0	0.616	50.7	−49.5	−26.5	56.2	208.2
231	G40B_087_062$_d$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.76	58.2	−20.8	−27.0	34.1	232.4	0.25	0.875	0.75	61.9	−37.1	−21.7	43.0	210.3	17.5	200	0.0	1.0	0.816	52.1	−33.3	−43.3	54.6	232.4
232	G50B_087_062$_d$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	59.1	−10.6	−36.7	38.2	253.8	0.25	0.875	0.875	62.8	−29.1	−33.2	44.2	228.7	19.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
233	G57B_100_075$_d$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	61.0	−5.1	−46.8	47.0	263.7	0.25	0.875	1.0	61.5	−18.2	−48.5	51.8	249.3	13.2	217	0.0	0.85	1.0	49.0	−6.8	−62.4	62.7	263.7
234	Y76G_100_100$_d$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0	0.25	1.0	0.0	58.5	−67.1	53.0	85.5	141.6	2.1	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
235	Y86G_100_087$_d$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.241	1.0	0.125	58.3	−64.9	36.0	74.3	150.9	0.25	1.0	0.125	56.9	−73.6	42.8	85.1	149.7	11.0	142	0.133	1.0	0.0	52.8	−74.2	41.2	84.9	150.9
236	G00B_100_075$_d$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	57.9	−57.4	22.5	61.6	158.5	0.25	1.0	0.25	58.2	−74.0	32.2	80.7	156.4	19.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
237	G07B_100_075$_d$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.362	59.5	−58.7	12.8	60.1	167.6	0.25	1.0	0.375	60.0	−70.2	19.0	72.7	164.8	13.1	157	0.0	1.0	0.15	47.0	−78.2	17.1	80.1	167.6
238	G15B_100_075$_d$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.487	60.3	−52.7	0.5	52.7	179.4	0.25	1.0	0.5	61.9	−63.4	6.7	63.8	173.8	12.5	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
239	G25B_100_075$_d$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.625	61.5	−43.6	−11.9	45.2	195.3	0.25	1.0	0.625	63.5	−55.5	−6.9	56.0	187.1	13.0	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
240	G34B_100_075$_d$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.762	62.6	−33.2	−24.3	41.2	216.2	0.25	1.0	0.75	64.5	−47.5	−19.7	51.5	202.5	15.1	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
241	G42B_100_075$_d$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.887	63.6	−22.8	−34.4	41.3	236.4	0.25	1.0	0.875	65.6	−39.4	−31.6	50.5	218.7	16.9	202	0.0	1.0	0.85	52.4	−30.4	−45.9	55.0	236.4
242	G50B_100_075$_d$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	64.4	−12.7	−44.1	45.9	253.8	0.25	1.0	1.0	66.6	−29.9	−43.9	53.2	235.7	17.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta *E**' = *9.1***

1−0031030−F0

ZE140−7N, Page 11/38−F

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

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

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 12/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM

http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS

application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb*'*$_{Fd}$			*LabCh*'*$_{Fd}$					*DE*'*$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
243	R00Y_037_037$_d$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	25.4	25.8	20.0	32.7	37.7	0.375	0.0	0.0	25.2	24.2	17.6	29.9	36.1	2.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
244	R18Y_037_037$_d$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.118	25.6	26.9	13.0	29.9	25.7	0.375	0.0	0.125	25.5	25.1	11.6	27.7	24.8	2.2	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
245	B65R_037_037$_d$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.256	25.7	28.4	3.7	28.7	7.5	0.375	0.0	0.25	25.5	27.2	3.6	27.4	7.6	1.2	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
246	B50R_037_037$_d$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	25.9	30.5	−4.4	30.8	351.7	0.375	0.0	0.375	25.1	30.6	−5.7	31.2	349.3	1.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
247	B38R_050_050$_d$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.383	0.0	0.5	27.1	36.4	−12.3	38.4	341.2	0.375	0.0	0.5	27.2	37.8	−12.9	40.0	341.1	1.5	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
248	B30R_062_062$_d$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.385	0.0	0.625	28.1	42.8	−21.1	47.7	333.6	0.375	0.0	0.625	29.0	44.4	−21.3	49.2	334.3	1.8	307	0.616	0.0	1.0	38.3	68.4	−33.8	76.4	333.6
249	B25R_075_075$_d$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.375	0.0	0.75	28.9	48.5	−30.3	57.2	328.0	0.375	0.0	0.75	31.0	50.1	−30.4	58.6	328.7	2.6	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
250	B20R_087_087$_d$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.364	0.0	0.875	29.3	54.8	−39.7	67.7	324.1	0.375	0.0	0.875	31.3	56.3	−39.9	69.0	324.6	2.4	294	0.416	0.0	1.0	31.9	62.7	−45.3	77.4	324.1
251	B18R_100_100$_d$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	30.2	61.3	−48.2	78.0	321.8	0.375	0.0	1.0	30.5	61.5	−47.8	77.9	322.1	0.5	291	0.366	0.0	1.0	30.2	61.3	−48.2	78.0	321.8
252	R31Y_037_037$_d$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.118	0.0	30.6	16.9	28.0	32.7	58.8	0.375	0.125	0.0	30.5	11.9	25.3	28.0	64.7	5.6	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
253	R00Y_037_025$_d$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	31.3	17.2	13.3	21.8	37.7	0.375	0.125	0.125	29.6	15.0	18.7	24.0	51.3	6.1	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
254	R00Y_037_025$_d$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.25	31.6	18.3	5.6	19.2	17.1	0.375	0.125	0.25	29.4	17.1	8.5	19.1	26.3	3.7	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
255	B50R_037_025$_d$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	31.7	20.3	−2.9	20.5	351.7	0.375	0.125	0.375	29.8	20.0	−2.6	20.2	352.3	1.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
256	B34R_050_037$_d$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.381	0.124	0.5	32.8	26.4	−11.1	28.7	337.0	0.375	0.125	0.5	32.5	27.0	−12.1	29.6	335.7	1.2	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
257	B25R_062_050$_d$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.375	0.125	0.625	33.7	32.3	−20.2	38.1	328.0	0.375	0.125	0.625	34.9	33.3	−22.1	40.0	326.3	2.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
258	B19R_075_062$_d$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.364	0.125	0.75	34.1	38.6	−29.5	48.6	322.5	0.375	0.125	0.75	37.1	40.3	−32.4	51.7	321.1	4.5	292	0.383	0.0	1.0	30.8	61.8	−47.3	77.8	322.5
259	B15R_087_075$_d$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.362	0.125	0.875	34.9	45.0	−38.1	59.0	319.7	0.375	0.125	0.875	37.5	48.3	−43.0	64.7	318.2	6.4	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
260	B13R_100_087$_d$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.358	0.125	1.0	35.5	51.3	−46.7	69.4	317.7	0.375	0.125	1.0	36.2	55.4	−53.1	76.7	316.2	7.6	284	0.266	0.0	1.0	26.7	58.7	−53.4	79.4	317.7
261	R68Y_037_037$_d$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.256	0.0	36.2	4.8	34.6	34.9	81.9	0.375	0.25	0.0	35.4	1.6	32.6	32.7	87.1	3.9	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
262	R50Y_037_025$_d$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.25	0.124	36.8	7.2	20.8	22.0	70.9	0.375	0.25	0.125	35.1	2.5	26.3	26.4	84.5	7.3	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
263	R00Y_037_012$_d$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	37.3	8.6	6.6	10.9	37.7	0.375	0.25	0.25	34.8	5.1	15.8	16.7	71.9	10.1	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
264	B50R_037_012$_d$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	37.5	10.1	−1.4	10.2	351.7	0.375	0.25	0.375	35.5	8.4	2.6	8.8	17.6	4.9	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
265	B25R_050_025$_d$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.375	0.249	0.5	38.5	16.1	−10.1	19.0	328.0	0.375	0.25	0.5	38.0	14.4	−8.2	16.6	330.3	2.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
266	B15R_062_037$_d$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.368	0.25	0.625	39.1	22.5	−19.0	29.5	319.7	0.375	0.25	0.625	40.5	19.7	−19.2	27.6	315.7	3.1	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
267	B11R_075_050$_d$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.366	0.25	0.75	39.8	28.9	−27.5	39.9	316.3	0.375	0.25	0.75	43.1	26.8	−30.7	40.8	311.1	5.0	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
268	B09R_087_062$_d$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.364	0.25	0.875	40.4	35.3	−36.1	50.5	314.3	0.375	0.25	0.875	43.8	35.4	−42.9	55.6	309.5	7.5	279	0.183	0.0	1.0	23.7	56.5	−57.8	80.8	314.3
269	B07R_100_075$_d$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.362	0.25	1.0	41.1	41.7	−44.6	61.1	313.0	0.375	0.25	1.0	42.8	43.5	−53.9	69.3	308.9	9.5	278	0.15	0.0	1.0	22.4	55.6	−59.5	81.5	313.0
270	Y00G_037_037$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	41.0	−5.2	40.4	40.7	97.4	0.375	0.375	0.0	38.6	−5.8	37.6	38.0	98.7	3.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
271	Y00G_037_025$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	41.7	−3.5	26.9	27.1	97.4	0.375	0.375	0.125	38.9	−5.6	32.2	32.7	99.9	6.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
272	Y00G_037_012$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	42.5	−1.7	13.4	13.5	97.4	0.375	0.375	0.25	39.2	−4.1	22.2	22.6	100.5	9.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
273	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.6	−0.9	7.7	7.7	96.8	8.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
274	B00R_050_012$_d$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	44.3	6.1	−8.1	10.2	306.8	0.375	0.375	0.5	43.6	2.2	−3.4	4.1	303.0	6.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
275	B00R_062_025$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	45.3	12.2	−16.3	20.4	306.8	0.375	0.375	0.625	45.4	7.1	−15.5	17.1	294.5	5.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
276	B00R_075_037$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	46.4	18.4	−24.5	30.7	306.8	0.375	0.375	0.75	48.1	13.8	−27.9	31.1	296.4	5.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
277	B00R_087_050$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	47.4	24.5	−32.7	40.9	306.8	0.375	0.375	0.875	49.3	22.2	−40.2	46.0	298.8	8.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
278	B00R_100_062$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	48.4	30.7	−40.9	51.1	306.8	0.375	0.375	1.0	48.5	31.4	−52.2	61.0	301.0	11.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
279	Y23G_050_050$_d$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.383	0.5	0.0	46.5	−14.6	46.5	48.8	107.4	0.375	0.5	0.0	45.4	−15.0	44.7	47.2	108.6	2.1	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
280	Y31G_050_037$_d$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.381	0.5	0.124	46.8	−13.3	32.5	35.1	112.3	0.375	0.5	0.125	45.5	−16.5	36.6	40.2	114.3	5.3	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
281	Y50G_050_025$_d$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	47.1	−12.3	18.2	22.0	124.0	0.375	0.5	0.25	46.3	−14.9	26.6	30.6	119.3	8.8	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
282	G00B_050_012$_d$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	47.5	−9.5	3.7	10.2	158.5	0.375	0.5	0.375	47.0	−12.0	14.7	19.0	129.2	11.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
283	G50B_050_012$_d$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	48.6	−2.1	−7.3	7.6	253.8	0.375	0.5	0.5	47.8	−7.5	0.9	7.5	173.1	9.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
284	G75B_062_025$_d$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.5	0.625	50.0	4.6	−17.2	17.8	285.1	0.375	0.5	0.625	51.2	−4.4	−10.0	10.9	246.2	11.6	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
285	G84B_075_037$_d$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.493	0.75	50.8	12.0	−26.4	29.0	294.4	0.375	0.5	0.75	53.3	1.7	−23.8	23.9	274.1	10.9	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
286	G88B_087_050$_d$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.491	0.875	51.7	19.2	−35.3	40.2	298.5	0.375	0.5	0.875	54.4	9.7	−37.5	38.7	284.6	10.0	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
287	G90B_100_062$_d$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.489	1.0	52.5	26.1	−44.0	51.2	300.6	0.375	0.5	1.0	54.2	19.2	−49.8	53.4	291.1	9.0	260	0.0	0.183	1.0	25.9	41.7	−70.5	81.9	300.6
288	Y38G_062_062$_d$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.385	0.625	0.0	50.7	−25.2	50.8	56.7	116.3	0.375	0.625	0.0	51.4	−25.6	49.9	56.1	117.1	1.2	112	0.616	1.0	0.0	74.4	−40.3	81.3	90.8	116.3
289	Y50G_062_050$_d$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	51.0	−24.6	36.5	44.0	124.0	0.375	0.625	0.125	51.4	−28.1	39.9	48.8	125.1	4.8	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
290	Y68G_062_037$_d$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.368	0.625	0.25	51.5	−23.5	22.1	32.2	136.6	0.375	0.625	0.25	52.2	−27.2	29.6	40.2	132.5	8.4	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
291	G00B_062_025$_d$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	51.7	−19.1	7.5	20.5	158.5	0.375	0.625	0.375	53.0	−24.3	17.9	30.2	143.5	11.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
292	G25B_062_025$_d$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	52.9	−14.5	−3.9	15.0	195.3	0.375	0.625	0.5	54.0	−19.3	5.4	20.0	164.2	10.6	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
293	G50B_062_025$_d$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	53.9	−4.2	−14.7	15.3	253.8	0.375	0.625	0.625	55.0	−14.1	−5.9	15.3	202.6	13.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
294	G65B_075_037$_d$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.631	0.75	55.6	1.9	−24.8	24.9	274.5	0.375	0.625	0.75	58.5	−9.7	−18.9	21.3	242.7	13.4	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
295	G75B_087_050$_d$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.625	0.875	56.7	9.3	−34.4	35.7	285.1	0.375	0.625	0.875	59.5	−2.6	−33.6	33.7	265.5	12.3	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
296	G80B_100_062$_d$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.614	1.0	57.5	16.8	−43.8	46.9	291.0	0.375	0.625	1.0	59.0	7.0	−47.2	47.7	278.4	10.5	247	0.0	0.383	1.0	33.8	26.9	−70.1	75.1	291.0
297	Y50G_075_075$_d$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	54.8	−37.0	54.7	66.1	124.0	0.375	0.75	0.0	57.0	−37.5	54.1	65.8	124.7	2.3	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
298	Y61G_075_062$_d$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.364	0.75	0.125	55.2	−36.1	40.4	54.2	131.7	0.375	0.75	0.125	57.2	−41.5	43.6	60.2	133.6	6.6	127	0.383	1.0	0.0	64.5	−57.7	64.6	86.7	131.7
299	Y76G_075_050$_d$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.366	0.75	0.25	55.8	−34.1	25.7	42.7	143.0	0.375	0.75	0.25	58.1	−40.8	32.0	51.9	141.8	9.4	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
300	G00B_075_037$_d$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	55.9	−28.7	11.2	30.8	158.5	0.375	0.75	0.375	59.2	−37.6	20.3	42.8	151.5	13.1	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
301	G15B_075_037$_d$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.493	57.2	−26.3	0.2	26.3	179.4	0.375	0.75	0.5	60.3	−32.7	8.2	33.7	165.7	10.7	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
302	G34B_075_037$_d$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.631	58.3	−16.6	−12.1	20.6	216.2	0.375	0.75	0.625	61.2	−26.7	−3.8	27.0	188.1	13.4	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
303	G50B_075_037$_d$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	59.2	−6.3	−22.0	22.9	253.8	0.375	0.75	0.75	62.4	−20.3	−14.6	25.0	215.6	16.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
304	G61B_087_050$_d$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.758	0.875	61.0	−0.5	−32.1	32.1	269.0	0.375	0.75	0.875	64.2	−14.8	−29.3	32.9	243.1	14.9	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
305	G69B_100_062$_d$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.76	1.0	62.3	6.5	−42.1	42.6	278.8	0.375	0.75	1.0	63.7	−4.8	−43.9	44.1	263.7	11.6	232	0.0	0.616	1.0	41.6	10.5	−67.4	68.2	278.8
306	Y58G_087_087$_d$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.364	0.875	0.0	59.0	−48.5	58.7	76.2	129.5	0.375	0.875	0.0	61.1	−49.0	59.5	77.1	129.5	2.2	125	0.416	1.0	0.0	65.9	−55.4	67.1	87.1	129.5
307	Y68G_087_075$_d$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.362	0.875	0.125	59.6	−47.0	44.3	64.5	136.6	0.375	0.875	0.125	61.6	−53.9	48.2	72.3	138.2	8.2	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
308	Y81G_087_062$_d$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.364	0.875	0.25	60.2	−44.6	29.0	53.2	146.9	0.375	0.875	0.25	62.3	−54.8	36.4	65.8	146.3	12.8	140	0.183	1.0	0.0	55.2	−71.4	46.4	85.2	146.9
309	G00B_087_050$_d$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	60.2	−38.2	15.0	41.1	158.5	0.375	0.875	0.375	63.7	−51.9	25.0	57.6	154.2	17.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
310	G11B_087_050$_d$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.491	61.5	−37.3	4.3	37.6	173.3	0.375	0.875	0.5	65.1	−46.5	11.4	47.9	166.1	12.1	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
311	G25B_087_050$_d$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.625	62.6	−29.1	−7.9	30.1	195.3	0.375	0.875	0.625	66.4	−39.9	−1.1	39.9	181.6	13.3	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
312	G38B_087_050$_d$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.758	63.6	−18.6	−19.5	27.0	226.3	0.375	0.875	0.75	67.4	−33.1	−12.8	35.5	201.1	16.4	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
313	G50B_087_050$_d$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	64.5	−8.5	−29.4	30.6	253.8	0.375	0.875	0.875	68.5	−25.7	−24.7	35.6	223.9	18.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
314	G59B_100_062$_d$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.885	1.0	66.4	−2.8	−39.5	39.6	265.8	0.375	0.875	1.0	68.1	−16.5	−40.3	43.5	247.7	13.7	219	0.0	0.816	1.0	48.1	−4.5	−63.2	63.4	265.8
315	Y63G_100_100$_d$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	63.8	−58.9	63.3	86.5	132.9	0.375	1.0	0.0	64.2	−58.3	64.0	86.6	132.3	1.0	128	0.366	1.0	0.0	63.8	−58.9	63.3	86.5	132.9
316	Y73G_100_087$_d$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.358	1.0	0.125	64.0	−57.8	47.7	74.9	140.4	0.375	1.0	0.125	63.7	−65.7	54.8	85.6	140.1	10.6	135	0.266	1.0	0.0	59.2	−66.0	54.5	85.7	140.4
317	Y85G_100_075$_d$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.362	1.0	0.25	64.5	−55.0	32.2	63.7	149.6	0.375	1.0	0.25	65.1	−67.0	43.7	80.0	146.9	16.6	142	0.15	1.0	0.0	53.6	−73.3	42.9	85.0	149.6
318	G00B_100_062$_d$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	64.4	−47.8	18.7	51.4	158.5	0.375	1.0	0.375	66.8	−64.2	30.1	71.0	154.8	20.1	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
319	G09B_100_062$_d$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.489	65.8	−48.1	8.5	48.8	169.9	0.375	1.0	0.5	68.4	−59.1	17.2	61.5	163.7	14.2	159	0.0	1.0	0.183	47.2	−76.9	13.6	78.1	169.9
320	G19B_100_062$_d$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.614	66.8	−41.4	−3.2	41.5	184.5	0.375	1.0	0.625	69.8	−52.4	3.0	52.5	176.6	13.0	172	0.0	1.0	0.383	48.7	−66.2	−5.2	66.4	184.5
321	G30B_100_062$_d$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.76	68.0	−30.9	−16.6	35.1	208.2	0.375	1.0	0.75	70.9	−45.0	−9.9	46.1	192.5	15.8	187	0.0	1.0	0.616	50.7	−49.5	−26.5	56.2	208.2
322	G40B_100_062$_d$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.885	68.9	−20.8	−27.0	34.1	232.4	0.375	1.0	0.875	71.7	−37.5	−22.7	43.9	211.2	17.4	200	0.0	1.0	0.816	52.1	−33.3	−43.3	54.6	232.4
323	G50B_100_062$_d$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	69.8	−10.6	−36.7	38.2	253.8	0.375	1.0	1.0	72.7	−28.4	−36.1	45.9	231.7	18.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta *E**' = *8.4***

TUB-test chart ZE14; test chart G of CIE R8−09:2015

colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> *rgb*$_d$

output: transfer to *rgb*$_d$

n	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
324	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	30.1	34.4	26.7	43.6	37.7	0.5	0.0	0.0	29.4	34.3	24.4	42.1	35.4	2.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
325	R26Y_050_050$_d$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.116	30.4	35.5	19.9	40.7	29.3	0.5	0.0	0.125	29.7	35.4	18.2	39.8	27.2	1.8	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
326	R00Y_050_050$_d$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.25	30.6	36.7	11.3	38.4	17.1	0.5	0.0	0.25	29.9	36.6	10.3	38.0	15.7	1.2	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
327	B61R_050_050$_d$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.383	30.7	38.5	2.1	38.5	3.1	0.5	0.0	0.375	30.0	38.9	1.2	38.9	1.8	1.1	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
328	B50R_050_050$_d$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	30.8	40.6	−5.9	41.1	351.7	0.5	0.0	0.5	29.9	41.9	−7.6	42.6	349.6	2.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
329	B40R_062_062$_d$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.51	0.0	0.625	32.2	46.6	−13.6	48.6	343.6	0.5	0.0	0.625	32.4	48.8	−14.7	50.9	343.2	2.3	320	0.816	0.0	1.0	44.8	74.7	−21.9	77.8	343.6
330	B34R_075_075$_d$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.512	0.0	0.75	33.1	52.8	−22.3	57.4	337.0	0.5	0.0	0.75	34.8	54.8	−23.4	59.6	336.8	2.8	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
331	B29R_087_087$_d$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.51	0.0	0.875	34.0	59.0	−31.3	66.8	332.0	0.5	0.0	0.875	35.6	60.7	−32.6	68.9	331.7	2.6	305	0.583	0.0	1.0	37.3	67.4	−35.7	76.3	332.0
332	B25R_100_100$_d$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0	0.0	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
333	R23Y_050_050$_d$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.116	0.0	35.2	26.5	34.8	43.8	52.7	0.5	0.125	0.0	35.1	21.3	32.5	38.8	56.7	5.7	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
334	R00Y_050_037$_d$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	36.1	25.8	20.0	32.7	37.7	0.5	0.125	0.125	35.0	23.3	25.3	34.4	47.4	6.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
335	R18Y_050_037$_d$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.243	36.4	26.9	13.0	29.9	25.7	0.5	0.125	0.25	35.4	24.8	15.4	29.2	31.8	3.3	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
336	B65R_050_037$_d$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.381	36.5	28.4	3.7	28.7	7.5	0.5	0.125	0.375	35.5	27.7	4.1	28.0	8.4	1.2	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
337	B50R_050_037$_d$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	36.6	30.5	−4.4	30.8	351.7	0.5	0.125	0.5	35.9	31.3	−7.0	32.1	347.2	2.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
338	B38R_062_050$_d$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.508	0.125	0.625	37.9	36.4	−12.3	38.4	341.2	0.5	0.125	0.625	38.7	38.9	−16.3	42.2	337.1	4.7	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
339	B30R_075_062$_d$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.51	0.125	0.75	38.8	42.8	−21.1	47.7	333.6	0.5	0.125	0.75	41.2	45.4	−26.2	52.4	330.0	6.1	307	0.616	0.0	1.0	38.3	68.4	−33.8	76.4	333.6
340	B25R_087_075$_d$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.5	0.125	0.875	39.6	48.5	−30.3	57.2	328.0	0.5	0.125	0.875	41.9	52.4	−36.4	63.8	325.2	7.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
341	B20R_100_087$_d$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.489	0.125	1.0	40.0	54.8	−39.7	67.7	324.1	0.5	0.125	1.0	40.5	59.1	−46.6	75.3	321.7	8.1	294	0.416	0.0	1.0	31.9	62.7	−45.3	77.4	324.1
342	R50Y_050_050$_d$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	41.0	14.4	41.7	44.1	70.9	0.5	0.25	0.0	40.8	9.4	39.3	40.4	76.5	5.5	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
343	R31Y_050_037$_d$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.243	0.124	41.3	16.9	28.0	32.7	58.8	0.5	0.25	0.125	40.6	10.6	31.6	33.3	71.4	7.3	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
344	R00Y_050_025$_d$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	42.1	17.2	13.3	21.8	37.7	0.5	0.25	0.25	40.6	12.7	21.3	24.8	59.0	9.2	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
345	R00Y_050_025$_d$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.375	42.3	18.3	5.6	19.2	17.1	0.5	0.25	0.375	41.1	15.6	9.5	18.3	31.2	4.8	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
346	B50R_050_025$_d$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	42.4	20.3	−2.9	20.5	351.7	0.5	0.25	0.5	41.8	19.0	−2.5	19.2	352.4	1.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
347	B34R_062_037$_d$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.506	0.25	0.625	43.6	26.4	−11.1	28.7	337.0	0.5	0.25	0.625	44.5	25.6	−12.7	28.6	333.5	1.9	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
348	B25R_075_050$_d$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.5	0.25	0.75	44.4	32.3	−20.2	38.1	328.0	0.5	0.25	0.75	47.3	32.5	−24.2	40.5	323.2	4.9	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
349	B19R_087_062$_d$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.489	0.25	0.875	44.9	38.6	−29.5	48.6	322.5	0.5	0.25	0.875	48.2	40.0	−36.2	54.0	317.8	7.6	292	0.383	0.0	1.0	30.8	61.8	−47.3	77.8	322.5
350	B15R_100_075$_d$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.487	0.25	1.0	45.6	45.0	−38.1	59.0	319.7	0.5	0.25	1.0	46.9	47.6	−47.7	67.4	314.9	10.0	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
351	R76Y_050_050$_d$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.383	0.0	46.3	2.7	48.2	48.2	86.7	0.5	0.375	0.0	45.4	−0.4	46.1	46.1	90.6	3.9	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
352	R68Y_050_037$_d$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.381	0.124	47.0	4.8	34.6	34.9	81.9	0.5	0.375	0.125	45.8	−0.1	38.4	38.4	90.2	6.4	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
353	R50Y_050_025$_d$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.375	0.249	47.5	7.2	20.8	22.0	70.9	0.5	0.375	0.25	46.0	1.3	28.5	28.5	87.1	9.7	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
354	R00Y_050_012$_d$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	48.0	8.6	6.6	10.9	37.7	0.5	0.375	0.375	46.3	4.2	16.1	16.7	75.2	10.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
355	B50R_050_012$_d$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	48.2	10.1	−1.4	10.2	351.7	0.5	0.375	0.5	47.5	7.6	2.6	8.0	19.1	4.9	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
356	B25R_062_025$_d$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.5	0.375	0.625	49.2	16.1	−10.1	19.0	328.0	0.5	0.375	0.625	50.3	12.9	−8.2	15.4	327.4	3.8	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
357	B15R_075_037$_d$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.493	0.375	0.75	49.8	22.5	−19.0	29.5	319.7	0.5	0.375	0.75	52.6	19.5	−21.0	28.7	313.0	4.5	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
358	B11R_087_050$_d$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.491	0.375	0.875	50.5	28.9	−27.5	39.9	316.3	0.5	0.375	0.875	53.8	27.7	−33.7	43.6	309.4	7.0	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
359	B09R_100_062$_d$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.489	0.375	1.0	51.1	35.3	−36.1	50.5	314.3	0.5	0.375	1.0	53.0	35.1	−45.8	57.7	307.4	9.9	279	0.183	0.0	1.0	23.7	56.5	−57.8	80.8	314.3
360	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	50.9	−7.0	53.8	54.3	97.4	0.5	0.5	0.0	48.9	−7.5	51.2	51.7	98.4	3.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
361	Y00G_050_037$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	51.7	−5.2	40.4	40.7	97.4	0.5	0.5	0.125	49.2	−7.7	43.6	44.3	100.0	4.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
362	Y00G_050_025$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	52.5	−3.5	26.9	27.1	97.4	0.5	0.5	0.25	49.9	−6.7	33.9	34.5	101.1	8.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
363	Y00G_050_012$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	53.2	−1.7	13.4	13.5	97.4	0.5	0.5	0.375	50.7	−4.6	21.5	22.0	102.1	8.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
364	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.8	−0.9	7.1	7.2	97.4	7.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
365	B00R_062_012$_d$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	55.0	6.1	−8.1	10.2	306.8	0.5	0.5	0.625	55.7	2.0	−3.4	4.0	299.9	6.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
366	B00R_075_025$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	56.1	12.2	−16.3	20.4	306.8	0.5	0.5	0.75	58.2	7.5	−16.6	18.3	294.2	5.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
367	B00R_087_037$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	57.1	18.4	−24.5	30.7	306.8	0.5	0.5	0.875	59.1	15.2	−30.5	34.1	296.5	7.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
368	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	58.1	24.5	−32.7	40.9	306.8	0.5	0.5	1.0	58.7	23.0	−43.5	49.3	297.8	10.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
369	Y18G_062_062$_d$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.51	0.625	0.0	56.7	−16.0	60.4	62.5	104.8	0.5	0.625	0.0	55.8	−16.5	57.6	60.0	106.0	2.9	99	0.816	1.0	0.0	84.1	−25.6	96.7	100.0	104.8
370	Y23G_062_050$_d$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.508	0.625	0.125	57.2	−14.6	46.5	48.8	107.4	0.5	0.625	0.125	56.0	−18.5	47.6	51.1	111.2	4.3	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
371	Y31G_062_037$_d$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.506	0.625	0.25	57.6	−13.3	32.5	35.1	112.3	0.5	0.625	0.25	57.1	−17.2	37.4	41.1	114.7	6.2	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
372	Y50G_062_025$_d$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	57.8	−12.3	18.2	22.0	124.0	0.5	0.625	0.375	57.7	−15.0	26.5	30.4	119.4	8.6	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
373	G00B_062_012$_d$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	58.2	−9.5	3.7	10.2	158.5	0.5	0.625	0.5	58.6	−11.1	13.0	17.1	130.3	9.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
374	G50B_062_012$_d$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	59.3	−2.1	−7.3	7.6	253.8	0.5	0.625	0.625	59.4	−6.7	0.6	6.7	174.4	9.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
375	G75B_075_025$_d$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.625	0.75	60.7	4.6	−17.2	17.8	285.1	0.5	0.625	0.75	63.5	−3.7	−11.4	12.0	251.6	10.6	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
376	G84B_087_037$_d$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.618	0.875	61.6	12.0	−26.4	29.0	294.4	0.5	0.625	0.875	65.2	2.6	−25.4	25.5	276.0	10.0	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
377	G88B_100_050$_d$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.616	1.0	62.4	19.2	−35.3	40.2	298.5	0.5	0.625	1.0	63.6	11.0	−40.7	42.2	285.1	9.8	257	0.0	0.233	1.0	27.8	38.5	−70.7	80.5	298.5
378	Y31G_075_075$_d$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.512	0.75	0.0	61.1	−26.6	65.0	70.2	112.3	0.5	0.75	0.0	62.3	−27.1	63.2	68.7	113.2	2.2	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
379	Y38G_075_062$_d$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.51	0.75	0.125	61.4	−25.2	50.8	56.7	116.3	0.5	0.75	0.125	62.3	−30.6	52.0	60.4	120.5	5.6	112	0.616	1.0	0.0	74.4	−40.3	81.3	90.8	116.3
380	Y50G_075_050$_d$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	61.7	−24.6	36.5	44.0	124.0	0.5	0.75	0.25	63.2	−30.0	40.3	50.3	126.6	6.8	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
381	Y68G_075_037$_d$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.493	0.75	0.375	62.2	−23.5	22.1	32.2	136.6	0.5	0.75	0.375	64.3	−27.6	28.7	39.8	133.9	8.0	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
382	G00B_075_025$_d$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	62.5	−19.1	7.5	20.5	158.5	0.5	0.75	0.5	65.3	−23.6	16.7	28.9	144.7	10.6	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
383	G25B_075_025$_d$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	63.7	−14.5	−3.9	15.0	195.3	0.5	0.75	0.625	66.3	−18.5	4.3	19.0	166.7	9.6	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
384	G50B_075_025$_d$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	64.6	−4.2	−14.7	15.3	253.8	0.5	0.75	0.75	67.1	−13.1	−7.2	15.0	208.9	11.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
385	G65B_087_037$_d$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.756	0.875	66.3	1.9	−24.8	24.9	274.5	0.5	0.75	0.875	70.2	−8.8	−20.6	22.4	246.7	12.2	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
386	G75B_100_050$_d$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.75	1.0	67.5	9.3	−34.4	35.7	285.1	0.5	0.75	1.0	68.6	−0.6	−36.9	36.9	268.9	10.4	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
387	Y41G_087_087$_d$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.51	0.875	0.0	65.2	−37.7	69.2	78.8	118.5	0.5	0.875	0.0	67.0	−38.8	69.4	79.5	119.2	2.0	114	0.583	1.0	0.0	73.0	−43.0	79.1	90.0	118.5
388	Y50G_087_075$_d$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	65.5	−37.0	54.7	66.1	124.0	0.5	0.875	0.125	67.5	−43.7	57.6	72.3	127.1	7.5	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
389	Y61G_087_062$_d$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.489	0.875	0.25	65.9	−36.1	40.4	54.2	131.7	0.5	0.875	0.25	68.2	−44.7	45.3	63.6	134.6	10.1	127	0.383	1.0	0.0	64.5	−57.7	64.6	86.7	131.7
390	Y76G_087_050$_d$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.491	0.875	0.375	66.6	−34.1	25.7	42.7	143.0	0.5	0.875	0.375	69.5	−42.1	33.8	54.0	141.2	11.8	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
391	G00B_087_037$_d$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	66.7	−28.7	11.2	30.8	158.5	0.5	0.875	0.5	70.9	−37.3	20.3	42.5	151.4	13.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
392	G15B_087_037$_d$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.618	67.9	−26.3	0.2	26.3	179.4	0.5	0.875	0.625	72.1	−31.8	7.3	32.6	166.9	9.8	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
393	G34B_087_037$_d$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.756	69.0	−16.6	−12.1	20.6	216.2	0.5	0.875	0.75	73.2	−25.5	−4.5	25.9	190.1	12.4	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
394	G50B_087_037$_d$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	69.9	−6.3	−22.0	22.9	253.8	0.5	0.875	0.875	74.3	−18.9	−16.3	25.0	220.7	14.4	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
395	G61B_100_050$_d$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.883	1.0	71.8	−0.5	−32.1	32.1	269.0	0.5	0.875	1.0	73.7	−12.2	−32.8	35.1	249.4	11.9	222	0.0	0.766	1.0	46.6	−1.0	−64.3	64.3	269.0
396	Y50G_100_100$_d$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0	0.0	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
397	Y58G_100_087$_d$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.489	1.0	0.125	69.8	−48.5	58.7	76.2	129.5	0.5	1.0	0.125	69.3	−56.4	65.8	86.7	130.6	10.6	125	0.416	1.0	0.0	65.9	−55.4	67.1	87.1	129.5
398	Y68G_100_075$_d$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.487	1.0	0.25	70.4	−47.0	44.3	64.5	136.6	0.5	1.0	0.25	70.6	−57.7	52.1	77.7	137.9	13.2	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
399	Y81G_100_062$_d$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.489	1.0	0.375	70.9	−44.6	29.0	53.2	146.9	0.5	1.0	0.375	72.4	−54.7	37.4	66.3	145.6	13.2	140	0.183	1.0	0.0	55.2	−71.4	46.4	85.2	146.9
400	G00B_100_050$_d$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	70.9	−38.2	15.0	41.1	158.5	0.5	1.0	0.5	74.0	−50.5	24.9	56.3	153.7	16.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
401	G11B_100_050$_d$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.616	72.2	−37.3	4.3	37.6	173.3	0.5	1.0	0.625	75.2	−44.6	10.9	46.0	166.1	10.3	162	0.0	1.0	0.233	47.4	−74.7	8.6	75.2	173.3
402	G25B_100_050$_d$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.75	73.3	−29.1	−7.9	30.1	195.3	0.5	1.0	0.75	76.2	−38.0	−2.5	38.1	183.8	10.8	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
403	G38B_100_050$_d$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.883	74.3	−18.6	−19.5	27.0	226.3	0.5	1.0	0.875	76.9	−31.3	−15.3	34.9	206.0	13.6	197	0.0	1.0	0.766	51.7	−37.2	−39.0	54.0	226.3
404	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	75.3	−8.5	−29.4	30.6	253.8	0.5	1.0	1.0	77.9	−23.5	−28.2	36.7	230.1	15.3	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta $E^{*\prime}$ = 7.2**

1−0031230−F0

ZE140−7N, Page 13/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

n	**HIC***$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb*'*$_{Fd}$			*LabCh*'*$_{Fd}$					*DE*'*$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
405	R00Y_062_062$_d$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	34.9	43.1	33.3	54.5	37.7	0.625	0.0	0.0	34.7	43.9	30.9	53.7	35.1	2.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
406	R31Y_062_062$_d$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.114	35.2	44.1	26.9	51.7	31.3	0.625	0.0	0.125	34.9	45.1	23.8	50.9	27.8	3.2	380	1.0	0.0	0.183	49.6	70.6	43.0	82.7	31.3
407	R11Y_062_062$_d$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.239	35.4	45.3	19.0	49.2	22.8	0.625	0.0	0.25	35.0	46.3	15.7	48.9	18.7	3.4	367	1.0	0.0	0.383	49.9	72.5	30.5	78.7	22.8
408	B69R_062_062$_d$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.385	35.5	46.8	9.1	47.7	11.0	0.625	0.0	0.375	35.3	47.8	7.7	48.5	9.2	1.7	352	1.0	0.0	0.616	50.1	74.9	14.6	76.3	11.0
409	B59R_062_062$_d$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.51	35.6	48.8	0.6	48.8	0.7	0.625	0.0	0.5	35.4	50.3	−1.0	50.3	358.7	2.3	339	1.0	0.0	0.816	50.3	78.1	0.9	78.1	0.7
410	B50R_062_062$_d$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	35.7	50.8	−7.4	51.3	351.7	0.625	0.0	0.625	35.5	52.8	−9.3	53.7	349.9	2.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
411	B42R_075_075$_d$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.637	0.0	0.75	37.2	56.8	−14.9	58.8	345.2	0.625	0.0	0.75	38.2	59.3	−17.2	61.8	343.8	3.5	322	0.85	0.0	1.0	45.9	75.8	−19.9	78.4	345.2
412	B36R_087_087$_d$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.641	0.0	0.875	38.2	62.8	−23.4	67.0	339.5	0.625	0.0	0.875	39.4	64.4	−25.5	69.3	338.3	2.9	315	0.733	0.0	1.0	42.1	71.8	−26.7	76.6	339.5
413	B31R_100_100$_d$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	38.9	68.9	−32.8	76.4	334.5	0.625	0.0	1.0	38.6	68.7	−33.3	76.4	334.0	0.6	308	0.633	0.0	1.0	38.9	68.9	−32.8	76.4	334.5
414	R18Y_062_062$_d$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.114	0.0	39.7	35.9	41.4	54.8	49.0	0.625	0.125	0.0	40.9	31.4	39.6	50.5	51.5	5.0	39	1.0	0.183	0.0	56.8	57.5	66.2	87.7	49.0
415	R00Y_062_050$_d$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	40.9	34.4	26.7	43.6	37.7	0.625	0.125	0.125	40.6	32.9	30.7	45.1	42.9	4.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
416	R26Y_062_050$_d$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.241	41.1	35.5	19.9	40.7	29.3	0.625	0.125	0.25	41.0	34.1	20.7	39.9	31.3	1.6	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
417	R00Y_062_050$_d$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.375	41.3	36.7	11.3	38.4	17.1	0.625	0.125	0.375	41.5	36.0	10.0	37.3	15.5	1.4	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
418	B61R_062_050$_d$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.508	41.4	38.5	2.1	38.5	3.1	0.625	0.125	0.5	41.8	39.0	−0.5	39.0	359.1	2.7	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
419	B50R_062_050$_d$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	41.5	40.6	−5.9	41.1	351.7	0.625	0.125	0.625	41.7	43.4	−11.4	44.9	345.2	6.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
420	B40R_075_062$_d$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.635	0.125	0.75	42.9	46.6	−13.6	48.6	343.6	0.625	0.125	0.75	44.5	50.7	−20.6	54.7	337.8	8.2	320	0.816	0.0	1.0	44.8	74.7	−21.9	77.8	343.6
421	B34R_087_075$_d$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.637	0.125	0.875	43.9	52.8	−22.3	57.4	337.0	0.625	0.125	0.875	45.5	57.2	−30.3	64.7	332.0	9.2	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
422	B29R_100_087$_d$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.635	0.125	1.0	44.8	59.0	−31.3	66.8	332.0	0.625	0.125	1.0	44.3	63.5	−40.2	75.2	327.6	9.9	305	0.583	0.0	1.0	37.3	67.4	−35.7	76.3	332.0
423	R38Y_062_062$_d$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.239	0.0	45.5	24.1	48.8	54.5	63.6	0.625	0.25	0.0	46.5	18.1	46.0	49.5	68.4	6.7	52	1.0	0.383	0.0	66.2	38.7	78.2	87.2	63.6
424	R23Y_062_050$_d$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.241	0.125	45.9	26.5	34.8	43.8	52.7	0.625	0.25	0.125	46.8	19.1	37.3	42.0	62.8	7.8	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
425	R00Y_062_037$_d$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	46.8	25.8	20.0	32.7	37.7	0.625	0.25	0.25	46.9	20.9	26.7	33.9	51.9	8.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
426	R18Y_062_037$_d$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.368	47.1	26.9	13.0	29.9	25.7	0.625	0.25	0.375	47.3	23.1	15.4	27.8	33.7	4.5	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
427	B65R_062_037$_d$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.506	47.2	28.4	3.7	28.7	7.5	0.625	0.25	0.5	47.7	26.0	3.5	26.2	7.8	2.4	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
428	B50R_062_037$_d$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	47.3	30.5	−4.4	30.8	351.7	0.625	0.25	0.625	48.4	29.2	−7.4	30.1	345.6	3.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
429	B38R_075_050$_d$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.633	0.25	0.75	48.6	36.4	−12.3	38.4	341.2	0.625	0.25	0.75	51.0	37.9	−18.6	42.3	333.8	6.8	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
430	B30R_087_062$_d$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.635	0.25	0.875	49.6	42.8	−21.1	47.7	333.6	0.625	0.25	0.875	52.1	45.2	−30.3	54.4	326.1	9.8	307	0.616	0.0	1.0	38.3	68.4	−33.8	76.4	333.6
431	B25R_100_075$_d$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.625	0.25	1.0	50.3	48.5	−30.3	57.2	328.0	0.625	0.25	1.0	50.8	52.5	−41.7	67.0	321.5	12.0	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
432	R61Y_062_062$_d$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.385	0.0	51.3	11.8	55.5	56.7	77.9	0.625	0.375	0.0	51.9	6.8	52.9	53.3	82.6	5.6	67	1.0	0.616	0.0	75.4	18.8	88.8	90.8	77.9
433	R50Y_062_050$_d$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.375	0.125	51.7	14.4	41.7	44.1	70.9	0.625	0.375	0.125	52.1	7.4	43.6	44.2	80.2	7.1	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
434	R31Y_062_037$_d$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.368	0.25	52.1	16.9	28.0	32.7	58.8	0.625	0.375	0.25	52.4	8.7	33.0	34.2	75.1	9.6	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
435	R00Y_062_025$_d$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	52.8	17.2	13.3	21.8	37.7	0.625	0.375	0.375	52.5	11.4	21.2	24.1	61.7	9.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
436	R00Y_062_025$_d$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.5	53.0	18.3	5.6	19.2	17.1	0.625	0.375	0.5	53.2	14.0	9.0	16.6	32.8	5.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
437	B50R_062_025$_d$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	53.1	20.3	−2.9	20.5	351.7	0.625	0.375	0.625	54.1	17.5	−2.9	17.7	350.2	2.9	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
438	B34R_075_037$_d$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.631	0.375	0.75	54.3	26.4	−11.1	28.7	337.0	0.625	0.375	0.75	56.9	25.0	−14.9	29.1	329.2	4.7	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
439	B25R_087_050$_d$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.625	0.375	0.875	55.1	32.3	−20.2	38.1	328.0	0.625	0.375	0.875	58.1	32.8	−27.6	42.9	319.9	7.9	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
440	B19R_100_062$_d$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.614	0.375	1.0	55.6	38.6	−29.5	48.6	322.5	0.625	0.375	1.0	57.2	39.6	−40.1	56.4	314.6	10.6	292	0.383	0.0	1.0	30.8	61.8	−47.3	77.8	322.5
441	R81Y_062_062$_d$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.51	0.0	56.3	0.8	61.7	61.7	89.1	0.625	0.5	0.0	55.9	−2.0	58.3	58.4	92.0	4.4	80	1.0	0.816	0.0	83.5	1.3	98.7	98.7	89.1
442	R76Y_062_050$_d$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.508	0.125	57.1	2.7	48.2	48.2	86.7	0.625	0.5	0.125	56.5	−2.0	49.5	49.6	92.3	5.0	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
443	R68Y_062_037$_d$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.506	0.25	57.7	4.8	34.6	34.9	81.9	0.625	0.5	0.25	56.9	−1.1	39.3	39.3	91.6	7.6	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
444	R50Y_062_025$_d$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.5	0.375	58.2	7.2	20.8	22.0	70.9	0.625	0.5	0.375	57.4	0.6	27.5	27.5	88.5	9.3	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
445	R00Y_062_012$_d$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	58.8	8.6	6.6	10.9	37.7	0.625	0.5	0.5	58.2	3.5	15.0	15.4	76.8	9.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
446	B50R_062_012$_d$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	58.9	10.1	−1.4	10.2	351.7	0.625	0.5	0.625	59.3	6.9	1.8	7.2	14.9	4.6	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
447	B25R_075_025$_d$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.625	0.5	0.75	59.9	16.1	−10.1	19.0	328.0	0.625	0.5	0.75	62.9	12.7	−10.0	16.2	321.7	4.5	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
448	B15R_087_037$_d$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.618	0.5	0.875	60.5	22.5	−19.0	29.5	319.7	0.625	0.5	0.875	63.9	20.5	−23.8	31.5	310.7	6.1	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
449	B11R_100_050$_d$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.616	0.5	1.0	61.2	28.9	−27.5	39.9	316.3	0.625	0.5	1.0	62.7	27.9	−38.0	47.1	306.2	10.5	282	0.233	0.0	1.0	25.5	57.8	−55.1	79.9	316.3
450	Y00G_062_062$_d$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	60.9	−8.8	67.3	67.9	97.4	0.625	0.625	0.0	59.5	−9.4	63.8	64.5	98.4	3.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
451	Y00G_062_050$_d$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	61.7	−7.0	53.8	54.3	97.4	0.625	0.625	0.125	60.2	−9.8	55.6	56.5	100.0	3.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
452	Y00G_062_037$_d$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	62.4	−5.2	40.4	40.7	97.4	0.625	0.625	0.25	60.9	−9.1	44.2	45.1	101.6	5.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
453	Y00G_062_025$_d$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	63.2	−3.5	26.9	27.1	97.4	0.625	0.625	0.375	61.3	−7.4	32.5	33.4	102.8	7.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
454	Y00G_062_012$_d$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	64.0	−1.7	13.4	13.5	97.4	0.625	0.625	0.5	62.3	−4.8	19.7	20.3	103.7	7.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
455	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.1	−0.8	6.2	6.3	97.9	6.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
456	B00R_075_012$_d$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	65.8	6.1	−8.1	10.2	306.8	0.625	0.625	0.75	68.0	2.0	−5.0	5.4	292.0	5.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
457	B00R_087_025$_d$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	66.8	12.2	−16.3	20.4	306.8	0.625	0.625	0.875	70.0	7.8	−18.6	20.2	292.8	5.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
458	B00R_100_037$_d$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	67.8	18.4	−24.5	30.7	306.8	0.625	0.625	1.0	67.8	15.8	−35.2	38.6	294.2	10.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
459	Y15G_075_075$_d$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.637	0.75	0.0	66.9	−17.3	74.3	76.3	103.1	0.625	0.75	0.0	67.1	−18.4	71.7	74.0	104.4	2.8	97	0.85	1.0	0.0	85.5	−23.1	99.0	101.7	103.1
460	Y18G_075_062$_d$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.635	0.75	0.125	67.4	−16.0	60.4	62.5	104.8	0.625	0.75	0.125	67.4	−20.6	59.8	63.3	109.0	4.6	99	0.816	1.0	0.0	84.1	−25.6	96.7	100.0	104.8
461	Y23G_075_050$_d$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.633	0.75	0.25	68.0	−14.6	46.5	48.8	107.4	0.625	0.75	0.25	68.1	−20.2	48.7	52.8	112.4	6.0	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
462	Y31G_075_037$_d$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.631	0.75	0.375	68.3	−13.3	32.5	35.1	112.3	0.625	0.75	0.375	69.1	−18.4	37.5	41.8	116.2	7.2	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
463	Y50G_075_025$_d$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	68.6	−12.3	18.2	22.0	124.0	0.625	0.75	0.5	70.1	−15.1	24.6	28.8	121.6	7.0	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
464	G00B_075_012$_d$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	69.0	−9.5	3.7	10.2	158.5	0.625	0.75	0.625	70.8	−10.9	11.6	15.9	133.3	8.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
465	G50B_075_012$_d$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	70.1	−2.1	−7.3	7.6	253.8	0.625	0.75	0.75	71.5	−6.4	−1.0	6.5	189.1	7.7	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
466	G75B_087_025$_d$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.75	0.875	71.5	4.6	−17.2	17.8	285.1	0.625	0.75	0.875	75.2	−3.0	−13.7	14.1	257.4	9.2	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
467	G84B_100_037$_d$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.743	1.0	72.3	12.0	−26.4	29.0	294.4	0.625	0.75	1.0	73.3	4.1	−30.2	30.5	277.8	8.8	251	0.0	0.316	1.0	31.2	32.1	−70.6	77.5	294.4
468	Y26G_087_087$_d$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.641	0.875	0.0	71.7	−27.7	79.2	84.0	109.2	0.625	0.875	0.0	72.5	−28.9	78.5	83.7	110.2	1.6	104	0.733	1.0	0.0	80.4	−31.7	90.6	96.0	109.2
469	Y31G_087_075$_d$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.637	0.875	0.125	71.8	−26.6	65.0	70.2	112.3	0.625	0.875	0.125	72.7	−32.9	65.8	73.6	116.6	6.4	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
470	Y38G_087_062$_d$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.635	0.875	0.25	72.1	−25.2	50.8	56.7	116.3	0.625	0.875	0.25	73.2	−33.7	53.4	63.2	122.2	8.9	112	0.616	1.0	0.0	74.4	−40.3	81.3	90.8	116.3
471	Y50G_087_050$_d$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	72.4	−24.6	36.5	44.0	124.0	0.625	0.875	0.375	74.4	−31.5	42.3	52.8	126.6	9.2	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
472	Y68G_087_037$_d$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.618	0.875	0.5	72.9	−23.5	22.1	32.2	136.6	0.625	0.875	0.5	75.8	−27.8	29.2	40.3	133.6	8.7	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
473	G00B_087_025$_d$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	73.2	−19.1	7.5	20.5	158.5	0.625	0.875	0.625	77.0	−23.0	15.7	27.8	145.6	9.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
474	G25B_087_025$_d$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	74.4	−14.5	−3.9	15.0	195.3	0.625	0.875	0.75	77.7	−18.0	3.2	18.3	169.6	8.7	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
475	G50B_087_025$_d$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	75.4	−4.2	−14.7	15.3	253.8	0.625	0.875	0.875	78.6	−12.4	−9.6	15.7	217.6	10.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
476	G65B_100_037$_d$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.881	1.0	77.0	1.9	−24.8	24.9	274.5	0.625	0.875	1.0	78.3	−7.1	−25.9	26.8	254.5	9.3	228	0.0	0.683	1.0	43.8	5.2	−66.2	66.4	274.5
477	Y36G_100_100$_d$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	75.2	−39.1	82.6	91.4	115.3	0.625	1.0	0.0	74.8	−39.6	81.9	91.0	115.8	0.9	111	0.633	1.0	0.0	75.2	−39.1	82.6	91.4	115.3
478	Y41G_100_087$_d$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.635	1.0	0.125	76.0	−37.7	69.2	78.8	118.5	0.625	1.0	0.125	75.1	−45.5	73.8	86.7	121.6	9.1	114	0.583	1.0	0.0	73.0	−43.0	79.1	90.0	118.5
479	Y50G_100_075$_d$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	76.3	−37.0	54.7	66.1	124.0	0.625	1.0	0.25	76.1	−46.5	59.0	75.1	128.2	10.4	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
480	Y61G_100_062$_d$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.614	1.0	0.375	76.7	−36.1	40.4	54.2	131.7	0.625	1.0	0.375	77.6	−44.6	45.6	63.8	134.3	10.0	127	0.383	1.0	0.0	64.5	−57.7	64.6	86.7	131.7
481	Y76G_100_050$_d$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.616	1.0	0.5	77.3	−34.1	25.7	42.7	143.0	0.625	1.0	0.5	78.9	−41.4	32.5	52.6	141.8	10.1	137	0.233	1.0	0.0	57.7	−68.2	51.4	85.4	143.0
482	G00B_100_037$_d$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	77.4	−28.7	11.2	30.8	158.5	0.625	1.0	0.625	80.0	−36.4	18.2	40.7	153.3	10.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
483	G15B_100_037$_d$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.743	78.6	−26.3	0.2	26.3	179.4	0.625	1.0	0.75	80.9	−31.0	5.0	31.4	170.8	7.0	168	0.0	1.0	0.316	48.1	−70.3	0.6	70.3	179.4
484	G34B_100_037$_d$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.881	79.8	−16.6	−12.1	20.6	216.2	0.625	1.0	0.875	81.7	−25.0	−8.0	26.3	197.6	9.6	191	0.0	1.0	0.683	51.1	−44.3	−32.4	54.9	216.2
485	G50B_100_037$_d$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	80.7	−6.3	−22.0	22.9	253.8	0.625	1.0	1.0	82.5	−18.2	−21.1	27.9	229.1	12.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta *E*'* =** ***6.5***

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

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

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 15/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n	HIC*$_{Fd}$	rgb_Fd			ict_Fd			h$_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$					rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	h$_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
486	R00Y_075_075$_d$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.6	51.7	40.0	65.4	37.7	0.75	0.0	0.0	40.6	53.0	38.2	65.4	35.7	2.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
487	R35Y_075_075$_d$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.112	39.9	52.7	33.8	62.7	32.6	0.75	0.0	0.125	40.8	54.2	30.5	62.2	29.3	3.7	382	1.0	0.0	0.15	49.5	70.3	45.1	83.6	32.6
488	R18Y_075_075$_d$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.237	40.2	53.9	26.0	59.9	25.7	0.75	0.0	0.25	41.1	55.2	22.9	59.8	22.5	3.5	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
489	R00Y_075_075$_d$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.375	40.3	55.1	17.0	57.6	17.1	0.75	0.0	0.375	41.2	56.7	13.9	58.4	13.8	3.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
490	B65R_075_075$_d$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.512	40.4	56.9	7.5	57.4	7.5	0.75	0.0	0.5	41.6	58.3	5.8	58.6	5.7	2.4	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
491	B57R_075_075$_d$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.637	40.6	59.0	−0.9	59.0	359.0	0.75	0.0	0.625	41.6	60.9	−3.0	61.0	357.1	3.0	337	1.0	0.0	0.85	50.4	78.7	−1.2	78.7	359.0
492	B50R_075_075$_d$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.6	61.0	−8.8	61.6	351.7	0.75	0.0	0.75	41.8	63.3	−11.1	64.3	349.9	3.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
493	B43R_087_087$_d$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.758	0.0	0.875	42.1	66.8	−16.5	68.8	346.0	0.75	0.0	0.875	43.2	68.9	−18.8	71.4	344.7	3.3	322	0.866	0.0	1.0	46.5	76.4	−18.9	78.7	346.0
494	B38R_100_100$_d$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2	0.75	0.0	1.0	42.7	72.2	−25.6	76.6	340.4	1.2	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
495	R15Y_075_075$_d$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.112	0.0	44.2	45.3	47.8	65.8	46.5	0.75	0.125	0.0	46.3	42.4	47.1	63.4	48.0	3.6	37	1.0	0.15	0.0	55.2	60.4	63.7	87.8	46.5
496	R00Y_075_062$_d$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.6	43.1	33.3	54.5	37.7	0.75	0.125	0.125	46.4	43.3	37.9	57.6	41.2	4.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
497	R31Y_075_062$_d$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.239	45.9	44.1	26.9	51.7	31.3	0.75	0.125	0.25	46.7	44.5	27.3	52.2	31.4	1.0	380	1.0	0.0	0.183	49.6	70.6	43.0	82.7	31.3
498	R11Y_075_062$_d$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.364	46.1	45.3	19.0	49.2	22.8	0.75	0.125	0.375	47.3	45.9	16.4	48.7	19.7	2.9	367	1.0	0.0	0.383	49.9	72.5	30.5	78.7	22.8
499	B69R_075_062$_d$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.51	46.2	46.8	9.1	47.7	11.0	0.75	0.125	0.5	47.7	48.0	6.1	48.4	7.3	3.5	352	1.0	0.0	0.616	50.1	74.9	14.6	76.3	11.0
500	B59R_075_062$_d$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.635	46.3	48.8	0.6	48.8	0.7	0.75	0.125	0.625	48.0	51.3	−4.6	51.5	354.7	6.1	339	1.0	0.0	0.816	50.3	78.1	0.9	78.1	0.7
501	B50R_075_062$_d$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.5	50.8	−7.4	51.3	351.7	0.75	0.125	0.75	47.9	55.2	−15.1	57.2	344.6	9.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
502	B42R_087_075$_d$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.762	0.125	0.875	48.0	56.8	−14.9	58.8	345.2	0.75	0.125	0.875	49.4	62.1	−24.2	66.6	338.6	10.7	322	0.85	0.0	1.0	45.9	75.8	−19.9	78.4	345.2
503	B36R_100_087$_d$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.766	0.125	1.0	49.0	62.8	−23.4	67.0	339.5	0.75	0.125	1.0	47.9	68.6	−33.8	76.5	333.7	11.9	315	0.733	0.0	1.0	42.1	71.8	−26.7	76.6	339.5
504	R31Y_075_075$_d$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.237	0.0	50.1	33.9	56.1	65.5	58.8	0.75	0.25	0.0	52.6	28.7	54.7	61.8	62.2	5.8	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
505	R18Y_075_062$_d$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.239	0.125	50.4	35.9	41.4	54.8	49.0	0.75	0.25	0.125	52.7	29.8	44.6	53.6	56.2	7.3	39	1.0	0.183	0.0	56.8	57.5	66.2	87.7	49.0
506	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.6	34.4	26.7	43.6	37.7	0.75	0.25	0.25	53.1	30.7	33.6	45.6	47.5	8.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
507	R26Y_075_050$_d$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.366	51.9	35.5	19.9	40.7	29.3	0.75	0.25	0.375	53.5	32.3	22.1	39.1	34.3	4.1	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
508	R00Y_075_050$_d$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.5	52.1	36.7	11.3	38.4	17.1	0.75	0.25	0.5	53.9	35.1	9.8	36.5	15.6	2.8	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
509	B61R_075_050$_d$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.633	52.1	38.5	2.1	38.5	3.1	0.75	0.25	0.625	54.4	38.2	−1.6	38.3	357.4	4.4	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
510	B50R_075_050$_d$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.3	40.6	−5.9	41.1	351.7	0.75	0.25	0.75	55.0	42.1	−13.0	44.1	342.7	7.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
511	B40R_087_062$_d$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.76	0.25	0.875	53.6	46.6	−13.6	48.6	343.6	0.75	0.25	0.875	56.7	49.9	−24.1	55.5	334.2	11.3	320	0.816	0.0	1.0	44.8	74.7	−21.9	77.8	343.6
512	B34R_100_075$_d$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.762	0.25	1.0	54.6	52.8	−22.3	57.4	337.0	0.75	0.25	1.0	55.2	57.3	−35.3	67.4	328.3	13.7	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
513	R50Y_075_075$_d$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.375	0.0	55.9	21.6	62.6	66.2	70.9	0.75	0.375	0.0	58.0	16.5	61.0	63.2	74.8	5.6	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
514	R38Y_075_062$_d$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.364	0.125	56.2	24.1	48.8	54.5	63.6	0.75	0.375	0.125	58.7	16.5	50.6	53.3	71.9	8.2	52	1.0	0.383	0.0	66.2	38.7	78.2	87.2	63.6
515	R23Y_075_050$_d$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.366	0.25	56.6	26.5	34.8	43.8	52.7	0.75	0.375	0.25	58.9	17.8	39.4	43.3	65.5	10.0	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
516	R00Y_075_037$_d$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.6	25.8	20.0	32.7	37.7	0.75	0.375	0.375	59.2	19.9	27.2	33.8	53.8	9.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
517	R18Y_075_037$_d$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.493	57.8	26.9	13.0	29.9	25.7	0.75	0.375	0.5	59.5	22.5	15.0	27.1	33.6	5.1	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
518	B65R_075_037$_d$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.631	57.9	28.4	3.7	28.7	7.5	0.75	0.375	0.625	60.2	25.5	3.0	25.7	6.8	3.7	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
519	B50R_075_037$_d$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	58.1	30.5	−4.4	30.8	351.7	0.75	0.375	0.75	61.2	28.9	−8.9	30.3	342.8	5.6	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
520	B38R_087_050$_d$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.758	0.375	0.875	59.3	36.4	−12.3	38.4	341.2	0.75	0.375	0.875	62.7	38.3	−21.2	43.8	331.0	9.6	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
521	B30R_100_062$_d$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.76	0.375	1.0	60.3	42.8	−21.1	47.7	333.6	0.75	0.375	1.0	61.7	44.6	−33.8	55.9	322.8	12.8	307	0.616	0.0	1.0	38.3	68.4	−33.8	76.4	333.6
522	R68Y_075_075$_d$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.512	0.0	61.4	9.7	69.2	69.9	81.9	0.75	0.5	0.0	63.2	5.6	67.3	67.5	85.1	4.8	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
523	R61Y_075_062$_d$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.51	0.125	62.0	11.8	55.5	56.7	77.9	0.75	0.5	0.125	63.7	5.8	56.6	56.9	84.1	6.3	67	1.0	0.616	0.0	75.4	18.8	88.8	90.8	77.9
524	R50Y_075_050$_d$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	62.4	14.4	41.7	44.1	70.9	0.75	0.5	0.25	64.1	6.6	45.9	46.4	81.7	8.9	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
525	R31Y_075_037$_d$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.493	0.375	62.8	16.9	28.0	32.7	58.8	0.75	0.5	0.375	64.5	8.6	33.5	34.6	75.5	10.1	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
526	R00Y_075_025$_d$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	63.5	17.2	13.3	21.8	37.7	0.75	0.5	0.5	64.8	11.3	20.6	23.5	61.3	9.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
527	R00Y_075_025$_d$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.625	63.8	18.3	5.6	19.2	17.1	0.75	0.5	0.625	65.9	13.9	8.2	16.1	30.6	5.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
528	B50R_075_025$_d$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	63.9	20.3	−2.9	20.5	351.7	0.75	0.5	0.75	66.9	17.3	−4.0	17.7	346.6	4.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
529	B34R_087_037$_d$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.756	0.5	0.875	65.0	26.4	−11.1	28.7	337.0	0.75	0.5	0.875	69.0	26.1	−17.1	31.2	326.7	7.1	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
530	B25R_100_050$_d$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.75	0.5	1.0	65.9	32.3	−20.2	38.1	328.0	0.75	0.5	1.0	67.0	33.2	−31.9	46.1	316.1	11.8	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
531	R85Y_075_075$_d$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.637	0.0	66.4	−1.0	75.1	75.2	90.8	0.75	0.625	0.0	67.2	−3.3	72.8	72.9	92.6	3.3	81	1.0	0.85	0.0	84.8	−1.4	100.2	100.2	90.8
532	R81Y_075_062$_d$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.635	0.125	67.1	0.8	61.7	61.7	89.1	0.75	0.625	0.125	67.9	−3.6	63.0	63.1	93.3	4.8	80	1.0	0.816	0.0	83.5	1.3	98.7	98.7	89.1
533	R76Y_075_050$_d$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.633	0.25	67.8	2.7	48.2	48.2	86.7	0.75	0.625	0.25	68.4	−3.1	51.8	51.9	93.4	6.9	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
534	R68Y_075_037$_d$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.631	0.375	68.4	4.8	34.6	34.9	81.9	0.75	0.625	0.375	68.8	−1.2	39.4	39.4	91.7	7.7	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
535	R50Y_075_025$_d$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.625	0.5	69.0	7.2	20.8	22.0	70.9	0.75	0.625	0.5	69.7	0.6	26.4	26.4	88.5	8.5	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
536	R00Y_075_012$_d$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	69.5	8.6	6.6	10.9	37.7	0.75	0.625	0.625	70.6	3.6	13.4	13.9	74.6	8.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
537	B50R_075_012$_d$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	69.7	10.1	−1.4	10.2	351.7	0.75	0.625	0.75	71.6	7.1	0.6	7.1	4.8	4.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
538	B25R_087_025$_d$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.75	0.625	0.875	70.7	16.1	−10.1	19.0	328.0	0.75	0.625	0.875	74.7	13.3	−12.0	18.0	317.9	5.2	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
539	B15R_100_037$_d$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.743	0.625	1.0	71.3	22.5	−19.0	29.5	319.7	0.75	0.625	1.0	72.2	21.5	−28.7	35.9	306.9	9.7	288	0.316	0.0	1.0	28.5	60.1	−50.8	78.7	319.7
540	Y00G_075_075$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	70.8	−10.5	80.8	81.5	97.4	0.75	0.75	0.0	70.8	−11.1	77.8	78.6	98.1	2.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
541	Y00G_075_062$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	71.6	−8.8	67.3	67.9	97.4	0.75	0.75	0.125	71.6	−11.7	68.3	69.3	99.7	3.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
542	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−7.0	53.8	54.3	97.4	0.75	0.75	0.25	72.1	−11.4	56.7	57.8	101.3	5.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
543	Y00G_075_037$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.2	−5.2	40.4	40.7	97.4	0.75	0.75	0.375	72.7	−10.0	44.4	45.6	102.7	6.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
544	Y00G_075_025$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	73.9	−3.5	26.9	27.1	97.4	0.75	0.75	0.5	73.6	−7.7	31.0	32.0	104.0	5.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
545	Y00G_075_012$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	74.7	−1.7	13.4	13.5	97.4	0.75	0.75	0.625	74.5	−4.7	17.9	18.5	104.6	5.3	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
546	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.4	−0.6	4.9	4.9	97.1	4.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
547	B00R_087_012$_d$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	76.5	6.1	−8.1	10.2	306.8	0.75	0.75	0.875	79.6	2.7	−7.2	7.7	290.8	4.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
548	B00R_100_025$_d$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	77.5	12.2	−16.3	20.4	306.8	0.75	0.75	1.0	77.9	9.7	−23.5	25.4	292.4	7.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
549	Y13G_087_087$_d$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	76.8	−19.1	87.6	89.7	102.3	0.75	0.875	0.0	77.5	−19.9	86.4	88.7	102.9	1.5	97	0.866	1.0	0.0	86.2	−21.8	100.2	102.5	102.3
550	Y15G_087_075$_d$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.762	0.875	0.125	77.6	−17.3	74.3	76.3	103.1	0.75	0.875	0.125	77.8	−22.9	73.3	76.8	107.3	5.6	97	0.85	1.0	0.0	85.5	−23.1	99.0	101.7	103.1
551	Y18G_087_062$_d$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.76	0.875	0.25	78.2	−16.0	60.4	62.5	104.8	0.75	0.875	0.25	78.2	−23.3	61.9	66.2	110.6	7.4	99	0.816	1.0	0.0	84.1	−25.6	96.7	100.0	104.8
552	Y23G_087_050$_d$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.758	0.875	0.375	78.7	−14.6	46.5	48.8	107.4	0.75	0.875	0.375	79.2	−21.7	49.8	54.3	113.5	7.8	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
553	Y31G_087_037$_d$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.756	0.875	0.5	79.0	−13.3	32.5	35.1	112.3	0.75	0.875	0.5	80.4	−18.7	36.2	40.8	117.2	6.7	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
554	Y50G_087_025$_d$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	79.3	−12.3	18.2	22.0	124.0	0.75	0.875	0.625	81.4	−14.9	22.8	27.3	123.3	5.6	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
555	G00B_087_012$_d$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	79.7	−9.5	3.7	10.2	158.5	0.75	0.875	0.75	82.3	−10.7	9.8	14.6	137.4	6.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
556	G50B_087_012$_d$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	80.8	−2.1	−7.3	7.6	253.8	0.75	0.875	0.875	82.9	−6.0	−3.1	6.7	207.4	6.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
557	G75B_100_025$_d$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.875	1.0	82.2	4.6	−17.2	17.8	285.1	0.75	0.875	1.0	83.4	−1.2	−18.4	18.5	266.2	6.1	240	0.0	0.5	1.0	38.0	18.7	−68.9	71.4	285.1
558	Y23G_100_100$_d$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4	0.75	1.0	0.0	81.2	−30.3	91.8	96.7	108.2	1.8	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
559	Y26G_100_087$_d$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.766	1.0	0.125	82.4	−27.7	79.2	84.0	109.2	0.75	1.0	0.125	81.3	−34.6	80.9	88.0	113.2	7.2	104	0.733	1.0	0.0	80.4	−31.7	90.6	96.0	109.2
560	Y31G_100_075$_d$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.762	1.0	0.25	82.6	−26.6	65.0	70.2	112.3	0.75	1.0	0.25	82.0	−35.6	66.9	75.8	118.0	9.1	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
561	Y38G_100_062$_d$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.76	1.0	0.375	82.9	−25.2	50.8	56.7	116.3	0.75	1.0	0.375	83.2	−34.2	53.7	63.7	122.5	9.4	112	0.616	1.0	0.0	74.4	−40.3	81.3	90.8	116.3
562	Y50G_100_050$_d$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.2	−24.6	36.5	44.0	124.0	0.75	1.0	0.5	84.3	−31.4	39.9	50.8	128.1	7.7	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
563	Y68G_100_037$_d$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.743	1.0	0.625	83.7	−23.5	22.1	32.2	136.6	0.75	1.0	0.625	85.4	−27.7	25.9	38.0	136.8	5.9	131	0.316	1.0	0.0	61.5	−62.6	59.0	86.1	136.6
564	G00B_100_025$_d$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	83.9	−19.1	7.5	20.5	158.5	0.75	1.0	0.75	86.3	−23.1	12.6	26.3	151.2	6.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
565	G25B_100_025$_d$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	85.1	−14.5	−3.9	15.0	195.3	0.75	1.0	0.875	87.0	−18.0	−0.1	18.0	180.3	5.5	180	0.0	1.0	0.5	49.7	−58.2	−15.9	60.3	195.3
566	G50B_100_025$_d$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	86.1	−4.2	−14.7	15.3	253.8	0.75	1.0	1.0	87.7	−11.9	−14.2	18.5	230.0	7.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
																	Mean color difference of this page:							**delta E*' =**	**6.2**									

1−0031430−F0

ZE140−7N, Page 15/38−F

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, ΔE*', 3D=0, de=0, *RGB*

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

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
567	R00Y_087_087$_d$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	44.4	60.3	46.7	76.3	37.7	0.875	0.0	0.0	45.6	61.8	46.7	77.5	37.1	1.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
568	R36Y_087_087$_d$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.116	44.7	61.4	40.4	73.5	33.3	0.875	0.0	0.125	45.8	62.8	39.1	74.0	31.8	2.2	382	1.0	0.0	0.133	49.5	70.1	46.2	84.0	33.3
569	R23Y_087_087$_d$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.233	45.0	62.4	33.1	70.7	27.9	0.875	0.0	0.25	46.2	63.9	31.1	71.1	25.9	2.7	375	1.0	0.0	0.266	49.8	71.3	37.8	80.8	27.9
570	R08Y_087_087$_d$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.364	45.1	63.7	24.7	68.4	21.2	0.875	0.0	0.375	46.3	65.0	23.2	69.0	19.6	2.3	365	1.0	0.0	0.416	50.0	72.9	28.2	78.2	21.2
571	B70R_087_087$_d$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.51	45.2	65.2	14.8	66.9	12.8	0.875	0.0	0.5	46.6	66.3	14.2	67.8	12.0	1.8	354	1.0	0.0	0.583	50.1	74.6	16.9	76.5	12.8
572	B63R_087_087$_d$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.641	45.3	66.9	5.6	67.2	4.8	0.875	0.0	0.625	46.7	68.1	5.4	68.3	4.6	1.8	344	1.0	0.0	0.733	50.2	76.5	6.4	76.8	4.8
573	B56R_087_087$_d$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.758	45.5	69.1	−2.0	69.1	358.2	0.875	0.0	0.75	46.8	70.6	−3.2	70.7	357.3	2.3	337	1.0	0.0	0.866	50.4	79.0	−2.3	79.0	358.2
574	B50R_087_087$_d$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	45.6	71.1	−10.3	71.9	351.7	0.875	0.0	0.875	47.0	73.1	−11.8	74.0	350.8	2.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
575	B44R_100_100$_d$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	47.0	77.0	−18.0	79.1	346.8	0.875	0.0	1.0	46.8	76.6	−18.4	78.8	346.4	0.5	323	0.883	0.0	1.0	47.0	77.0	−18.0	79.1	346.8
576	R13Y_087_087$_d$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.116	0.0	49.0	54.0	54.6	76.8	45.3	0.875	0.125	0.0	50.9	52.9	55.0	76.4	46.1	2.2	37	1.0	0.133	0.0	54.4	61.7	62.5	87.8	45.3
577	R00Y_087_075$_d$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	50.4	51.7	40.0	65.4	37.7	0.875	0.125	0.125	51.2	53.9	45.6	70.6	40.2	6.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
578	R35Y_087_075$_d$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.237	50.6	52.7	33.8	62.7	32.6	0.875	0.125	0.25	51.4	54.5	36.2	65.5	33.6	3.1	382	1.0	0.0	0.15	49.5	70.3	45.1	83.6	32.6
579	R18Y_087_075$_d$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.362	50.9	53.9	26.0	59.9	25.7	0.875	0.125	0.375	51.9	55.5	25.7	61.2	24.8	1.9	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
580	R00Y_087_075$_d$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.5	51.1	55.1	17.0	57.6	17.1	0.875	0.125	0.5	52.5	56.7	14.2	58.5	14.1	3.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
581	B65R_087_075$_d$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.637	51.1	56.9	7.5	57.4	7.5	0.875	0.125	0.625	52.6	59.8	3.3	59.9	3.2	5.2	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
582	B57R_087_075$_d$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.762	51.3	59.0	−0.9	59.0	359.0	0.875	0.125	0.75	52.9	62.8	−7.2	63.2	353.3	7.5	337	1.0	0.0	0.85	50.4	78.7	−1.2	78.7	359.0
583	B50R_087_075$_d$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	51.4	61.0	−8.8	61.6	351.7	0.875	0.125	0.875	53.0	66.6	−17.9	69.0	344.8	10.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
584	B43R_100_087$_d$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.883	0.125	1.0	52.8	66.8	−16.5	68.8	346.0	0.875	0.125	1.0	51.7	73.8	−27.2	78.6	339.7	12.7	322	0.866	0.0	1.0	46.5	76.4	−18.9	78.7	346.0
585	R26Y_087_087$_d$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.233	0.0	54.6	43.7	62.9	76.6	55.1	0.875	0.25	0.0	57.2	40.1	63.4	75.0	57.6	4.4	44	1.0	0.266	0.0	60.8	50.0	71.9	87.5	55.1
586	R15Y_087_075$_d$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.237	0.125	54.9	45.3	47.8	65.8	46.5	0.875	0.25	0.125	57.5	40.4	52.5	66.3	52.4	7.2	37	1.0	0.15	0.0	55.2	60.4	63.7	87.8	46.5
587	R00Y_087_062$_d$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	56.4	43.1	33.3	54.5	37.7	0.875	0.25	0.25	57.9	40.9	42.0	58.6	45.7	9.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
588	R31Y_087_062$_d$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.364	56.6	44.1	26.9	51.7	31.3	0.875	0.25	0.375	58.4	41.9	30.4	51.8	35.9	4.5	380	1.0	0.0	0.183	49.6	70.6	43.0	82.7	31.3
589	R11Y_087_062$_d$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.489	56.8	45.3	19.0	49.2	22.8	0.875	0.25	0.5	59.2	43.4	17.7	46.9	22.2	3.3	367	1.0	0.0	0.383	49.9	72.5	30.5	78.7	22.8
590	B69R_087_062$_d$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.635	56.9	46.8	9.1	47.7	11.0	0.875	0.25	0.625	59.4	46.6	5.6	46.9	6.9	4.3	352	1.0	0.0	0.616	50.1	74.9	14.6	76.3	11.0
591	B59R_087_062$_d$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.76	57.1	48.8	0.6	48.8	0.7	0.875	0.25	0.75	59.8	50.2	−6.3	50.6	352.8	7.5	339	1.0	0.0	0.816	50.3	78.1	0.9	78.1	0.7
592	B50R_087_062$_d$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	57.2	50.8	−7.4	51.3	351.7	0.875	0.25	0.875	60.0	55.1	−18.6	58.2	341.3	12.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
593	B42R_100_075$_d$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.887	0.25	1.0	58.7	56.8	−14.9	58.8	345.2	0.875	0.25	1.0	58.9	62.8	−29.4	69.4	334.8	15.7	322	0.85	0.0	1.0	45.9	75.8	−19.9	78.4	345.2
594	R41Y_087_087$_d$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.364	0.0	60.5	31.4	69.8	76.6	65.7	0.875	0.375	0.0	62.7	27.8	69.9	75.2	68.3	4.2	54	1.0	0.416	0.0	67.5	35.9	79.8	87.5	65.7
595	R31Y_087_075$_d$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.362	0.125	60.9	33.9	56.1	65.5	58.8	0.875	0.375	0.125	63.4	27.5	58.7	64.8	64.9	7.3	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
596	R18Y_087_062$_d$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.364	0.25	61.1	35.9	41.4	54.8	49.0	0.875	0.375	0.25	63.4	28.5	47.5	55.4	59.0	9.9	39	1.0	0.183	0.0	56.8	57.5	66.2	87.7	49.0
597	R00Y_087_050$_d$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	62.3	34.4	26.7	43.6	37.7	0.875	0.375	0.375	64.0	29.7	35.2	46.1	49.8	9.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
598	R26Y_087_050$_d$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.491	62.6	35.5	19.9	40.7	29.3	0.875	0.375	0.5	64.4	31.9	21.9	38.7	34.5	4.5	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
599	R00Y_087_050$_d$	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.625	62.8	36.7	11.3	38.4	17.1	0.875	0.375	0.625	65.0	34.7	9.8	36.1	15.7	3.3	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
600	B61R_087_050$_d$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.758	62.9	38.5	2.1	38.5	3.1	0.875	0.375	0.75	65.7	38.1	−2.5	38.2	356.1	5.5	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
601	B50R_087_050$_d$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	63.0	40.6	−5.9	41.1	351.7	0.875	0.375	0.875	66.4	42.3	−15.4	45.1	340.0	10.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
602	B40R_100_062$_d$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.885	0.375	1.0	64.4	46.6	−13.6	48.6	343.6	0.875	0.375	1.0	65.6	49.8	−27.7	57.0	330.8	14.4	320	0.816	0.0	1.0	44.8	74.7	−21.9	77.8	343.6
603	R58Y_087_087$_d$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.51	0.0	66.2	19.0	76.5	78.8	75.9	0.875	0.5	0.0	67.9	16.3	75.9	77.6	77.8	3.2	65	1.0	0.583	0.0	74.1	21.8	87.4	90.1	75.9
604	R50Y_087_075$_d$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.5	0.125	66.6	21.6	62.6	66.2	70.9	0.875	0.5	0.125	68.6	15.7	64.1	66.0	76.1	6.3	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
605	R38Y_087_062$_d$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.489	0.25	67.0	24.1	48.8	54.5	63.6	0.875	0.5	0.25	69.0	16.2	52.8	55.3	72.8	9.0	52	1.0	0.383	0.0	66.2	38.7	78.2	87.2	63.6
606	R23Y_087_050$_d$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.491	0.375	67.4	26.5	34.8	43.8	52.7	0.875	0.5	0.375	69.2	18.2	40.2	44.1	65.5	10.0	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
607	R00Y_087_037$_d$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	68.3	25.8	20.0	32.7	37.7	0.875	0.5	0.5	69.7	20.6	26.3	33.4	51.9	8.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
608	R18Y_087_037$_d$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.618	68.6	26.9	13.0	29.9	25.7	0.875	0.5	0.625	70.3	23.5	13.9	27.3	30.6	3.9	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
609	B65R_087_037$_d$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.756	68.7	28.4	3.7	28.7	7.5	0.875	0.5	0.75	71.4	26.0	1.9	26.1	4.2	4.1	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
610	B50R_087_037$_d$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.8	30.5	−4.4	30.8	351.7	0.875	0.5	0.875	72.5	29.9	−11.3	31.9	339.2	7.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
611	B38R_100_050$_d$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.883	0.5	1.0	70.1	36.4	−12.3	38.4	341.2	0.875	0.5	1.0	70.8	38.7	−25.8	46.5	326.3	13.6	317	0.766	0.0	1.0	43.2	72.8	−24.7	76.9	341.2
612	R73Y_087_087$_d$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.641	0.0	71.6	7.3	82.9	83.2	84.9	0.875	0.625	0.0	72.8	5.2	82.2	82.4	86.3	2.5	75	1.0	0.733	0.0	80.2	8.4	94.8	95.1	84.9
613	R68Y_087_075$_d$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.637	0.125	72.1	9.7	69.2	69.9	81.9	0.875	0.625	0.125	73.6	4.4	70.5	70.7	86.3	5.6	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
614	R61Y_087_062$_d$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.635	0.25	72.8	11.8	55.5	56.7	77.9	0.875	0.625	0.25	73.9	5.1	59.1	59.3	85.0	7.6	67	1.0	0.616	0.0	75.4	18.8	88.8	90.8	77.9
615	R50Y_087_050$_d$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.625	0.375	73.2	14.4	41.7	44.1	70.9	0.875	0.625	0.375	74.4	6.3	47.2	47.7	82.3	9.8	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
616	R31Y_087_037$_d$	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.618	0.5	73.5	16.9	28.0	32.7	58.8	0.875	0.625	0.5	75.1	8.5	32.9	34.0	75.3	9.8	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
617	R00Y_087_025$_d$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	74.3	17.2	13.3	21.8	37.7	0.875	0.625	0.625	75.8	11.2	19.9	22.9	60.6	9.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
618	R00Y_087_025$_d$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.75	74.5	18.3	5.6	19.2	17.1	0.875	0.625	0.75	76.9	14.1	7.1	15.8	26.7	5.0	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
619	B50R_087_025$_d$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	74.6	20.3	−2.9	20.5	351.7	0.875	0.625	0.875	77.9	17.9	−6.4	19.0	340.3	5.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
620	B34R_100_037$_d$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.881	0.625	1.0	75.8	26.4	−11.1	28.7	337.0	0.875	0.625	1.0	76.0	27.4	−22.3	35.4	320.7	11.2	311	0.683	0.0	1.0	40.5	70.4	−29.8	76.5	337.0
621	R86Y_087_087$_d$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.758	0.0	76.1	−2.5	88.3	88.3	91.6	0.875	0.75	0.0	77.0	−4.2	87.7	87.8	92.7	1.9	82	1.0	0.866	0.0	85.4	−2.9	100.9	101.0	91.6
622	R85Y_087_075$_d$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.762	0.125	77.1	−1.0	75.1	75.2	90.8	0.875	0.75	0.125	77.7	−5.1	76.3	76.4	93.8	4.2	81	1.0	0.85	0.0	84.8	−1.4	100.2	100.2	90.8
623	R81Y_087_062$_d$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.76	0.25	77.8	0.8	61.7	61.7	89.1	0.875	0.75	0.25	78.2	−4.7	64.7	64.9	94.1	6.3	80	1.0	0.816	0.0	83.5	1.3	98.7	98.7	89.1
624	R76Y_087_050$_d$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.758	0.375	78.5	2.7	48.2	48.2	86.7	0.875	0.75	0.375	78.8	−3.4	51.7	51.8	93.8	7.1	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
625	R68Y_087_037$_d$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.756	0.5	79.2	4.8	34.6	34.9	81.9	0.875	0.75	0.5	79.5	−1.4	37.8	37.8	92.1	7.1	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
626	R50Y_087_025$_d$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.75	0.625	79.7	7.2	20.8	22.0	70.9	0.875	0.75	0.625	80.5	0.8	24.9	24.9	87.9	7.5	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
627	R00Y_087_012$_d$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	80.2	8.6	6.6	10.9	37.7	0.875	0.75	0.75	81.6	3.9	11.6	12.3	71.0	6.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
628	B50R_087_012$_d$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	80.4	10.1	−1.4	10.2	351.7	0.875	0.75	0.875	82.6	7.9	−1.7	8.1	347.6	3.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
629	B25R_100_025$_d$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.875	0.75	1.0	81.4	16.1	−10.1	19.0	328.0	0.875	0.75	1.0	82.1	15.6	−17.1	23.2	312.3	7.1	300	0.5	0.0	1.0	34.8	64.7	−40.4	76.3	328.0
630	Y00G_087_087$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	80.8	−12.3	94.2	95.0	97.4	0.875	0.875	0.0	81.2	−12.9	93.0	93.9	97.9	1.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
631	Y00G_087_075$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	81.6	−10.5	80.8	81.5	97.4	0.875	0.875	0.125	82.1	−14.0	81.8	82.9	99.7	3.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
632	Y00G_087_062$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	82.3	−8.8	67.3	67.9	97.4	0.875	0.875	0.25	82.8	−13.9	70.2	71.5	101.2	5.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
633	Y00G_087_050$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	83.1	−7.0	53.8	54.3	97.4	0.875	0.875	0.375	83.5	−12.6	56.9	58.3	102.5	6.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
634	Y00G_087_037$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.9	−5.2	40.4	40.7	97.4	0.875	0.875	0.5	84.2	−10.5	42.9	44.2	103.8	5.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
635	Y00G_087_025$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	84.7	−3.5	26.9	27.1	97.4	0.875	0.875	0.625	85.2	−8.0	29.4	30.5	105.3	5.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
636	Y00G_087_012$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	85.4	−1.7	13.4	13.5	97.4	0.875	0.875	0.75	86.1	−4.7	15.9	16.6	106.4	3.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
637	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.9	−0.3	2.7	2.8	97.3	2.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
638	B00R_100_012$_d$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	87.2	6.1	−8.1	10.2	306.8	0.875	0.875	1.0	88.3	4.7	−12.1	13.0	291.4	4.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
639	Y11G_100_100$_d$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.9	−20.7	101.2	103.3	101.5	0.875	1.0	0.0	86.6	−21.2	100.7	102.9	101.8	0.7	96	0.883	1.0	0.0	86.9	−20.7	101.2	103.3	101.5
640	Y13G_100_087$_d$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	87.6	−19.1	87.6	89.7	102.3	0.875	1.0	0.125	86.7	−24.7	88.7	92.1	105.6	5.8	97	0.866	1.0	0.0	86.2	−21.8	100.2	102.5	102.3
641	Y15G_100_075$_d$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.887	1.0	0.25	88.4	−17.3	74.3	76.3	103.1	0.875	1.0	0.25	87.4	−25.5	74.4	78.7	108.9	8.2	97	0.85	1.0	0.0	85.5	−23.1	99.0	101.7	103.1
642	Y18G_100_062$_d$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.885	1.0	0.375	88.9	−16.0	60.4	62.5	104.8	0.875	1.0	0.375	88.5	−24.7	60.5	65.4	112.2	8.6	99	0.816	1.0	0.0	84.1	−25.6	96.7	100.0	104.8
643	Y23G_100_050$_d$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.883	1.0	0.5	89.4	−14.6	46.5	48.8	107.4	0.875	1.0	0.5	89.5	−22.7	47.6	52.8	115.5	8.2	102	0.766	1.0	0.0	81.9	−29.2	93.1	97.6	107.4
644	Y31G_100_037$_d$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.881	1.0	0.625	89.8	−13.3	32.5	35.1	112.3	0.875	1.0	0.625	90.4	−19.7	33.8	39.2	120.2	6.5	108	0.683	1.0	0.0	77.8	−35.5	86.7	93.7	112.3
645	Y50G_100_025$_d$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	90.1	−12.3	18.2	22.0	124.0	0.875	1.0	0.75	91.1	−15.5	19.5	24.9	128.5	3.6	119	0.5	1.0	0.0	69.4	−49.3	73.0	88.1	124.0
646	G00B_100_012$_d$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.4	−9.5	3.7	10.2	158.5	0.875	1.0	0.875	91.6	−11.0	6.4	12.8	149.7	3.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
647	G50B_100_012$_d$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	91.5	−2.1	−7.3	7.6	253.8	0.875	1.0	1.0	92.4	−5.8	−7.3	9.3	231.8	3.7	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8

Mean color difference of this page: **delta *E**' = *5.9***

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n	HIC*$_{Fd}$	rgb_$_{Fd}$			ict_$_{Fd}$			h$_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$					rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	h$_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
648	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	0.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
649	R38Y_100_100$_d$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	49.4	70.0	47.1	84.4	33.9	1.0	0.0	0.125	49.5	70.0	46.7	84.2	33.7	0.4	383	1.0	0.0	0.116	49.4	70.0	47.1	84.4	33.9
650	R26Y_100_100$_d$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3	1.0	0.0	0.25	49.8	71.1	38.9	81.1	28.6	1.0	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
651	R13Y_100_100$_d$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	49.9	72.4	31.6	79.0	23.5	1.0	0.0	0.375	49.9	72.4	31.0	78.8	23.2	0.5	368	1.0	0.0	0.366	49.9	72.4	31.6	79.0	23.5
652	R00Y_100_100$_d$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1	0.0	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
653	B68R_100_100$_d$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	50.1	75.1	13.5	76.3	10.2	1.0	0.0	0.625	50.1	75.0	14.1	76.3	10.6	0.5	351	1.0	0.0	0.633	50.1	75.1	13.5	76.3	10.2
654	B61R_100_100$_d$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1	1.0	0.0	0.75	50.2	76.6	5.3	76.8	3.9	1.1	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
655	B55R_100_100$_d$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	50.4	79.3	−3.5	79.4	357.4	1.0	0.0	0.875	50.4	79.1	−2.9	79.2	357.8	0.6	336	1.0	0.0	0.883	50.4	79.3	−3.5	79.4	357.4
656	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	0.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
657	R11Y_100_100$_d$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	53.7	62.9	61.3	87.8	44.2	1.0	0.125	0.0	54.0	62.4	61.8	87.9	44.7	0.7	36	1.0	0.116	0.0	53.7	62.9	61.3	87.8	44.2
658	R00Y_100_087$_d$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	55.1	60.3	46.7	76.3	37.7	1.0	0.125	0.125	54.1	63.3	53.3	82.8	40.0	7.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
659	R36Y_100_087$_d$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.241	55.4	61.4	40.4	73.5	33.3	1.0	0.125	0.25	54.5	63.7	45.2	78.1	35.3	5.4	382	1.0	0.0	0.133	49.5	70.1	46.2	84.0	33.3
660	R23Y_100_087$_d$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.358	55.7	62.4	33.1	70.7	27.9	1.0	0.125	0.375	54.8	64.8	34.6	73.4	28.1	2.9	375	1.0	0.0	0.266	49.8	71.3	37.8	80.8	27.9
661	R08Y_100_087$_d$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.489	55.8	63.7	24.7	68.4	21.2	1.0	0.125	0.5	55.1	66.1	23.1	70.0	19.2	2.9	365	1.0	0.0	0.416	50.0	72.9	28.2	78.2	21.2
662	B70R_100_087$_d$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.635	56.0	65.2	14.8	66.9	12.8	1.0	0.125	0.625	55.3	68.5	11.9	69.6	9.8	4.4	354	1.0	0.0	0.583	50.1	74.6	16.9	76.5	12.8
663	B63R_100_087$_d$	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.766	56.0	66.9	5.6	67.2	4.8	1.0	0.125	0.75	55.1	71.5	0.8	71.5	0.6	6.7	344	1.0	0.0	0.733	50.2	76.5	6.4	76.8	4.8
664	B56R_100_087$_d$	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.883	56.2	69.1	−2.0	69.1	358.2	1.0	0.125	0.875	55.3	75.1	−9.9	75.7	352.4	9.9	337	1.0	0.0	0.866	50.4	79.0	−2.3	79.0	358.2
665	B50R_100_087$_d$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	56.3	71.1	−10.3	71.9	351.7	1.0	0.125	1.0	55.4	79.3	−20.8	82.0	345.3	13.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
666	R23Y_100_100$_d$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7	1.0	0.25	0.0	60.1	51.5	70.8	87.6	53.9	2.0	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
667	R13Y_100_087$_d$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.241	0.125	59.7	54.0	54.6	76.8	45.3	1.0	0.25	0.125	60.4	51.0	61.9	80.2	50.5	7.8	37	1.0	0.133	0.0	54.4	61.7	62.5	87.8	45.3
668	R00Y_100_075$_d$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	61.1	51.7	40.0	65.4	37.7	1.0	0.25	0.25	60.6	51.7	50.8	72.5	44.5	10.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
669	R35Y_100_075$_d$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.362	61.4	52.7	33.8	62.7	32.6	1.0	0.25	0.375	61.2	52.3	37.9	64.6	35.9	4.0	382	1.0	0.0	0.15	49.5	70.3	45.1	83.6	32.6
670	R18Y_100_075$_d$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.487	61.6	53.9	26.0	59.9	25.7	1.0	0.25	0.5	61.7	53.5	25.2	59.2	25.2	0.8	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
671	R00Y_100_075$_d$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.625	61.8	55.1	17.0	57.6	17.1	1.0	0.25	0.625	61.9	55.8	12.8	57.3	12.9	4.2	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
672	B65R_100_075$_d$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.762	61.9	56.9	7.5	57.4	7.5	1.0	0.25	0.75	62.2	59.3	0.5	59.3	0.5	7.4	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
673	B57R_100_075$_d$	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.887	62.0	59.0	−0.9	59.0	359.0	1.0	0.25	0.875	62.3	63.2	−11.6	64.3	349.5	11.5	337	1.0	0.0	0.85	50.4	78.7	−1.2	78.7	359.0
674	B50R_100_075$_d$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	62.1	61.0	−8.8	61.6	351.7	1.0	0.25	1.0	62.6	67.9	−23.6	71.9	340.8	16.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
675	R36Y_100_100$_d$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	65.5	40.2	77.3	87.2	62.5	1.0	0.375	0.0	65.8	39.3	77.7	87.1	63.1	1.0	51	1.0	0.366	0.0	65.5	40.2	77.3	87.2	62.5
676	R26Y_100_087$_d$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.358	0.125	65.3	43.7	62.9	76.6	55.1	1.0	0.375	0.125	66.3	38.4	68.3	78.4	60.6	7.6	44	1.0	0.266	0.0	60.8	50.0	71.9	87.5	55.1
677	R15Y_100_075$_d$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.362	0.25	65.6	45.3	47.8	65.8	46.5	1.0	0.375	0.25	66.9	38.2	56.9	68.6	56.1	11.5	37	1.0	0.15	0.0	55.2	60.4	63.7	87.8	46.5
678	R00Y_100_062$_d$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	67.1	43.1	33.3	54.5	37.7	1.0	0.375	0.375	67.4	39.1	43.0	58.1	47.7	10.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
679	R31Y_100_062$_d$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.489	67.4	44.1	26.9	51.7	31.3	1.0	0.375	0.5	67.9	40.5	29.8	50.3	36.3	4.6	380	1.0	0.0	0.183	49.6	70.6	43.0	82.7	31.3
680	R11Y_100_062$_d$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.614	67.6	45.3	19.0	49.2	22.8	1.0	0.375	0.625	68.1	42.8	17.0	46.1	21.7	3.2	367	1.0	0.0	0.383	49.9	72.5	30.5	78.7	22.8
681	B69R_100_062$_d$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.76	67.7	46.8	9.1	47.7	11.0	1.0	0.375	0.75	68.6	46.2	3.5	46.4	4.4	5.6	352	1.0	0.0	0.616	50.1	74.9	14.6	76.3	11.0
682	B59R_100_062$_d$	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.885	67.8	48.8	0.6	48.8	0.7	1.0	0.375	0.875	69.1	49.7	−8.9	50.5	349.7	9.7	339	1.0	0.0	0.816	50.3	78.1	0.9	78.1	0.7
683	B50R_100_062$_d$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	67.9	50.8	−7.4	51.3	351.7	1.0	0.375	1.0	69.4	54.9	−22.1	59.2	338.0	15.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
684	R50Y_100_100$_d$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9	0.0	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
685	R41Y_100_087$_d$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.489	0.125	71.2	31.4	69.8	76.6	65.7	1.0	0.5	0.125	71.2	27.8	74.0	79.0	69.4	5.5	54	1.0	0.416	0.0	67.5	35.9	79.8	87.5	65.7
686	R31Y_100_075$_d$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.487	0.25	71.6	33.9	56.1	65.5	58.8	1.0	0.5	0.25	71.8	27.8	61.8	67.8	65.7	8.3	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
687	R18Y_100_062$_d$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.489	0.375	71.9	35.9	41.4	54.8	49.0	1.0	0.5	0.375	72.6	28.4	47.7	55.5	59.2	9.8	39	1.0	0.183	0.0	56.8	57.5	66.2	87.7	49.0
688	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	73.1	34.4	26.7	43.6	37.7	1.0	0.5	0.5	73.1	30.0	34.0	45.4	48.5	8.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
689	R26Y_100_050$_d$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.616	73.3	35.5	19.9	40.7	29.3	1.0	0.5	0.625	73.4	32.2	21.3	38.6	33.4	3.5	377	1.0	0.0	0.233	49.7	71.0	39.9	81.5	29.3
690	R00Y_100_050$_d$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.75	73.5	36.7	11.3	38.4	17.1	1.0	0.5	0.75	73.8	35.4	7.3	36.1	11.7	4.1	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
691	B61R_100_050$_d$	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.883	73.6	38.5	2.1	38.5	3.1	1.0	0.5	0.875	74.2	39.1	−5.9	39.6	351.3	8.1	342	1.0	0.0	0.766	50.2	77.0	4.2	77.1	3.1
692	B50R_100_050$_d$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	73.7	40.6	−5.9	41.1	351.7	1.0	0.5	1.0	74.7	44.0	−19.9	48.3	335.6	14.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
693	R63Y_100_100$_d$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	76.1	17.4	89.6	91.3	78.9	1.0	0.625	0.0	75.7	18.1	89.1	91.0	78.4	0.9	68	1.0	0.633	0.0	76.1	17.4	89.6	91.3	78.9
694	R58Y_100_087$_d$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.635	0.125	77.0	19.0	76.5	78.8	75.9	1.0	0.625	0.125	76.4	16.4	79.7	81.4	78.3	4.2	65	1.0	0.583	0.0	74.1	21.8	87.4	90.1	75.9
695	R50Y_100_075$_d$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.625	0.25	77.4	21.6	62.6	66.2	70.9	1.0	0.625	0.25	77.3	16.3	66.8	68.8	76.2	6.7	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
696	R38Y_100_062$_d$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.614	0.375	77.7	24.1	48.8	54.5	63.6	1.0	0.625	0.375	77.9	17.1	52.8	55.5	72.0	8.0	52	1.0	0.383	0.0	66.2	38.7	78.2	87.2	63.6
697	R23Y_100_050$_d$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.616	0.5	78.1	26.5	34.8	43.8	52.7	1.0	0.625	0.5	78.3	18.8	39.0	43.3	64.2	8.7	42	1.0	0.233	0.0	59.3	53.1	69.7	87.6	52.7
698	R00Y_100_037$_d$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	79.0	25.8	20.0	32.7	37.7	1.0	0.625	0.625	78.5	21.5	24.9	32.9	49.2	6.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
699	R18Y_100_037$_d$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.743	79.3	26.9	13.0	29.9	25.7	1.0	0.625	0.75	78.9	24.5	11.8	27.2	25.7	2.7	371	1.0	0.0	0.316	49.9	71.9	34.7	79.9	25.7
700	B65R_100_037$_d$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.881	79.4	28.4	3.7	28.7	7.5	1.0	0.625	0.875	79.6	27.7	−1.5	27.8	356.7	5.3	348	1.0	0.0	0.683	50.2	75.9	10.0	76.5	7.5
701	B50R_100_037$_d$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	79.5	30.5	−4.4	30.8	351.7	1.0	0.625	1.0	80.4	32.7	−15.9	36.4	334.0	11.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
702	R76Y_100_100$_d$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7	1.0	0.75	0.0	80.9	6.8	95.5	95.8	85.9	1.6	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
703	R73Y_100_087$_d$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.766	0.125	82.3	7.3	82.9	83.2	84.9	1.0	0.75	0.125	81.7	5.2	86.3	86.5	86.4	4.0	75	1.0	0.733	0.0	80.2	8.4	94.8	95.1	84.9
704	R68Y_100_075$_d$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.762	0.25	82.8	9.7	69.2	69.9	81.9	1.0	0.75	0.25	82.5	5.1	72.7	72.9	85.9	5.7	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
705	R61Y_100_062$_d$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.76	0.375	83.5	11.8	55.5	56.7	77.9	1.0	0.75	0.375	83.2	5.7	58.1	58.4	84.3	6.5	67	1.0	0.616	0.0	75.4	18.8	88.8	90.8	77.9
706	R50Y_100_050$_d$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	83.9	14.4	41.7	44.1	70.9	1.0	0.75	0.5	83.7	7.4	44.3	45.0	80.5	7.4	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
707	R31Y_100_037$_d$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.743	0.625	84.3	16.9	28.0	32.7	58.8	1.0	0.75	0.625	84.0	9.9	30.8	32.4	72.0	7.5	48	1.0	0.316	0.0	63.1	45.2	74.8	87.4	58.8
708	R00Y_100_025$_d$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	85.0	17.2	13.3	21.8	37.7	1.0	0.75	0.75	84.6	12.9	17.2	21.5	53.1	5.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
709	R00Y_100_025$_d$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.875	85.2	18.3	5.6	19.2	17.1	1.0	0.75	0.875	85.5	16.5	3.5	16.9	11.9	2.8	360	1.0	0.0	0.5	50.1	73.4	22.6	76.8	17.1
710	B50R_100_025$_d$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	85.3	20.3	−2.9	20.5	351.7	1.0	0.75	1.0	86.5	21.4	−10.8	24.0	333.1	8.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
711	R88Y_100_100$_d$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	86.1	−4.2	101.7	101.8	92.4	1.0	0.875	0.0	85.8	−3.6	101.3	101.3	92.0	0.8	83	1.0	0.883	0.0	86.1	−4.2	101.7	101.8	92.4
712	R86Y_100_087$_d$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.883	0.125	86.9	−2.5	88.3	88.3	91.6	1.0	0.875	0.125	86.6	−5.3	92.4	92.6	93.3	5.0	82	1.0	0.866	0.0	85.4	−2.9	100.9	101.0	91.6
713	R85Y_100_075$_d$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.887	0.25	87.8	−1.0	75.1	75.2	90.8	1.0	0.875	0.25	87.6	−5.8	79.2	79.4	94.2	6.2	81	1.0	0.85	0.0	84.8	−1.4	100.2	100.2	90.8
714	R81Y_100_062$_d$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.885	0.375	88.5	0.8	61.7	61.7	89.1	1.0	0.875	0.375	88.2	−5.1	64.3	64.5	94.5	6.5	80	1.0	0.816	0.0	83.5	1.3	98.7	98.7	89.1
715	R76Y_100_050$_d$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.883	0.5	89.3	2.7	48.2	48.2	86.7	1.0	0.875	0.5	88.8	−3.4	49.9	50.0	93.9	6.4	77	1.0	0.766	0.0	81.6	5.4	96.4	96.5	86.7
716	R68Y_100_037$_d$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.881	0.625	89.9	4.8	34.6	34.9	81.9	1.0	0.875	0.625	89.4	−1.0	35.9	35.9	91.7	6.1	71	1.0	0.683	0.0	78.1	13.0	92.3	93.2	81.9
717	R50Y_100_025$_d$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.875	0.75	90.4	7.2	20.8	22.0	70.9	1.0	0.875	0.75	90.0	2.0	22.2	22.3	84.8	5.3	59	1.0	0.5	0.0	70.9	28.8	83.5	88.3	70.9
718	R00Y_100_012$_d$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	91.0	8.6	6.6	10.9	37.7	1.0	0.875	0.875	90.9	5.8	8.6	10.4	55.9	3.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
719	B50R_100_012$_d$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	91.1	10.1	−1.4	10.2	351.7	1.0	0.875	1.0	91.9	10.5	−5.5	11.9	332.1	4.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
720	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	0.0	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
721	Y00G_100_087$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	91.5	−12.3	94.2	95.0	97.4	1.0	1.0	0.125	91.6	−15.8	97.3	98.6	99.2	4.7	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
722	Y00G_100_075$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	92.3	−10.5	80.8	81.5	97.4	1.0	1.0	0.25	92.5	−16.0	84.9	86.4	100.7	6.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
723	Y00G_100_062$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	93.1	−8.8	67.3	67.9	97.4	1.0	1.0	0.375	93.1	−15.3	69.3	71.0	102.4	6.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
724	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	93.9	−7.0	53.8	54.3	97.4	1.0	1.0	0.5	93.7	−13.6	55.2	56.9	103.9	6.7	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
725	Y00G_100_037$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	94.6	−5.2	40.4	40.7	97.4	1.0	1.0	0.625	94.5	−11.6	41.3	42.9	105.7	6.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
726	Y00G_100_025$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	95.4	−3.5	26.9	27.1	97.4	1.0	1.0	0.75	95.4	−8.9	27.9	29.3	107.7	5.5	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
727	Y00G_100_012$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	96.2	−1.7	13.4	13.5	97.4	1.0	1.0	0.875	96.2	−4.9	13.9	14.8	109.6	3.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
728	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' = *5.4***

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, $\Delta E^{*'}$, 3D=0, de=0, *RGB*

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

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 18/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
729	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.9	0.0	0.0	0.0	230.0	0.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
730	G50B_100_012$_d$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	91.5	−2.1	−7.3	7.6	253.8	0.875	1.0	1.0	92.3	−5.9	−7.1	9.2	230.5	3.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
731	G50B_100_025$_d$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	86.1	−4.2	−14.7	15.3	253.8	0.75	1.0	1.0	87.4	−12.1	−14.2	18.7	229.6	8.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
732	G50B_100_037$_d$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	80.7	−6.3	−22.0	22.9	253.8	0.625	1.0	1.0	82.4	−18.4	−21.2	28.1	229.0	12.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
733	G50B_100_050$_d$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	75.3	−8.5	−29.4	30.6	253.8	0.5	1.0	1.0	77.6	−23.8	−28.2	36.9	229.8	15.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
734	G50B_100_062$_d$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	69.8	−10.6	−36.7	38.2	253.8	0.375	1.0	1.0	72.4	−28.5	−36.1	46.0	231.7	18.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
735	G50B_100_075$_d$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	64.4	−12.7	−44.1	45.9	253.8	0.25	1.0	1.0	66.5	−30.0	−44.0	53.3	235.7	17.3	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
736	G50B_100_087$_d$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	59.0	−14.9	−51.4	53.5	253.8	0.125	1.0	1.0	59.0	−26.3	−53.1	59.3	243.6	11.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
737	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	1.0	1.0	53.3	−17.0	−58.9	61.3	253.8	0.3	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
738	R00Y_100_012$_d$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	91.0	8.6	6.6	10.9	37.7	1.0	0.875	0.875	90.9	5.8	8.5	10.3	55.6	3.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
739	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.9	−0.4	3.0	3.0	98.0	3.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
740	G50B_087_012$_d$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	80.8	−2.1	−7.3	7.6	253.8	0.75	0.875	0.875	82.9	−6.1	−3.2	6.9	207.7	6.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
741	G50B_087_025$_d$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	75.4	−4.2	−14.7	15.3	253.8	0.625	0.875	0.875	78.6	−12.6	−9.6	15.8	217.4	10.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
742	G50B_087_037$_d$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	69.9	−6.3	−22.0	22.9	253.8	0.5	0.875	0.875	74.1	−19.2	−16.3	25.2	220.2	14.6	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
743	G50B_087_050$_d$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	64.5	−8.5	−29.4	30.6	253.8	0.375	0.875	0.875	68.5	−25.7	−24.8	35.7	223.8	18.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
744	G50B_087_062$_d$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	59.1	−10.6	−36.7	38.2	253.8	0.25	0.875	0.875	62.9	−29.1	−33.2	44.2	228.7	19.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
745	G50B_087_075$_d$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	53.7	−12.7	−44.1	45.9	253.8	0.125	0.875	0.875	56.3	−27.7	−42.2	50.5	236.6	15.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
746	G50B_087_087$_d$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	48.3	−14.9	−51.4	53.5	253.8	0.0	0.875	0.875	49.8	−21.0	−49.8	54.1	247.1	6.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
747	R00Y_100_025$_d$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	85.0	17.2	13.3	21.8	37.7	1.0	0.75	0.75	84.6	12.9	16.8	21.2	52.3	5.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
748	R00Y_087_012$_d$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	80.2	8.6	6.6	10.9	37.7	0.875	0.75	0.75	81.9	3.9	11.7	12.3	71.4	7.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
749	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.4	−0.6	4.9	4.9	97.1	4.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
750	G50B_075_012$_d$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	70.1	−2.1	−7.3	7.6	253.8	0.625	0.75	0.75	71.6	−6.4	−1.0	6.5	189.5	7.7	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
751	G50B_075_025$_d$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	64.6	−4.2	−14.7	15.3	253.8	0.5	0.75	0.75	67.3	−13.3	−7.4	15.3	209.1	11.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
752	G50B_075_037$_d$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	59.2	−6.3	−22.0	22.9	253.8	0.375	0.75	0.75	62.4	−20.4	−14.7	25.2	215.8	16.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
753	G50B_075_050$_d$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	53.8	−8.5	−29.4	30.6	253.8	0.25	0.75	0.75	56.8	−26.4	−23.3	35.2	221.5	19.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
754	G50B_075_062$_d$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	48.4	−10.6	−36.7	38.2	253.8	0.125	0.75	0.75	50.7	−27.8	−32.1	42.5	229.0	17.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
755	G50B_075_075$_d$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	42.9	−12.7	−44.1	45.9	253.8	0.0	0.75	0.75	44.5	−22.9	−40.2	46.3	240.3	10.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
756	R00Y_100_037$_d$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	79.0	25.8	20.0	32.7	37.7	1.0	0.625	0.625	78.6	21.4	24.9	32.9	49.3	6.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
757	R00Y_087_025$_d$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	74.3	17.2	13.3	21.8	37.7	0.875	0.625	0.625	76.1	11.0	19.6	22.5	60.5	8.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
758	R00Y_075_012$_d$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	69.5	8.6	6.6	10.9	37.7	0.75	0.625	0.625	70.6	3.6	13.3	13.8	74.6	8.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
759	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.2	−0.8	6.3	6.3	97.9	6.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
760	G50B_062_012$_d$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	59.3	−2.1	−7.3	7.6	253.8	0.5	0.625	0.625	59.4	−6.8	0.5	6.8	175.7	9.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
761	G50B_062_025$_d$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	53.9	−4.2	−14.7	15.3	253.8	0.375	0.625	0.625	54.8	−14.1	−6.1	15.4	203.2	13.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
762	G50B_062_037$_d$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	48.5	−6.3	−22.0	22.9	253.8	0.25	0.625	0.625	49.3	−21.4	−14.2	25.7	213.5	17.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
763	G50B_062_050$_d$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	43.1	−8.5	−29.4	30.6	253.8	0.125	0.625	0.625	43.6	−26.1	−23.2	34.9	221.6	18.6	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
764	G50B_062_062$_d$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	37.6	−10.6	−36.7	38.2	253.8	0.0	0.625	0.625	38.0	−23.3	−31.2	38.9	233.2	13.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
765	R00Y_100_050$_d$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	73.1	34.4	26.7	43.6	37.7	1.0	0.5	0.5	73.2	29.6	34.7	45.7	49.5	9.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
766	R00Y_087_037$_d$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	68.3	25.8	20.0	32.7	37.7	0.875	0.5	0.5	69.9	20.3	26.7	33.5	52.8	8.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
767	R00Y_075_025$_d$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	63.5	17.2	13.3	21.8	37.7	0.75	0.5	0.5	64.8	11.0	20.5	23.3	61.7	9.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
768	R00Y_062_012$_d$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	58.8	8.6	6.6	10.9	37.7	0.625	0.5	0.5	58.4	3.5	15.0	15.4	76.9	9.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
769	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.6	−0.9	7.0	7.1	97.8	7.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
770	G50B_050_012$_d$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	48.6	−2.1	−7.3	7.6	253.8	0.375	0.5	0.5	47.8	−7.4	0.8	7.5	173.5	9.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
771	G50B_050_025$_d$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	43.2	−4.2	−14.7	15.3	253.8	0.25	0.5	0.5	42.5	−15.0	−6.0	16.2	201.8	13.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
772	G50B_050_037$_d$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	37.7	−6.3	−22.0	22.9	253.8	0.125	0.5	0.5	36.6	−21.8	−15.1	26.6	214.7	16.9	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
773	G50B_050_050$_d$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	32.3	−8.5	−29.4	30.6	253.8	0.0	0.5	0.5	31.7	−22.0	−23.5	32.2	226.8	14.7	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
774	R00Y_100_062$_d$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	67.1	43.1	33.3	54.5	37.7	1.0	0.375	0.375	67.7	39.1	43.0	58.1	47.7	10.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
775	R00Y_087_050$_d$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	62.3	34.4	26.7	43.6	37.7	0.875	0.375	0.375	64.4	29.3	35.8	46.3	50.6	10.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
776	R00Y_075_037$_d$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.6	25.8	20.0	32.7	37.7	0.75	0.375	0.375	59.5	19.7	27.6	33.9	54.4	9.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
777	R00Y_062_025$_d$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	52.8	17.2	13.3	21.8	37.7	0.625	0.375	0.375	53.0	11.4	21.8	24.6	62.3	10.2	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
778	R00Y_050_012$_d$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	48.0	8.6	6.6	10.9	37.7	0.5	0.375	0.375	46.5	4.0	16.4	16.9	76.3	10.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
779	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.7	−0.9	7.7	7.7	96.8	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
780	G50B_037_012$_d$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	37.9	−2.1	−7.3	7.6	253.8	0.25	0.375	0.375	36.0	−8.2	0.5	8.2	176.4	10.1	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
781	G50B_037_025$_d$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	32.4	−4.2	−14.7	15.3	253.8	0.125	0.375	0.375	30.8	−16.2	−7.8	18.0	205.9	13.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
782	G50B_037_037$_d$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	27.0	−6.3	−22.0	22.9	253.8	0.0	0.375	0.375	26.1	−19.9	−16.2	25.7	219.0	14.8	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
783	R00Y_100_075$_d$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	61.1	51.7	40.0	65.4	37.7	1.0	0.25	0.25	61.1	51.2	50.8	72.2	44.7	10.7	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
784	R00Y_087_062$_d$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	56.4	43.1	33.3	54.5	37.7	0.875	0.25	0.25	58.2	40.7	42.3	58.7	46.0	9.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
785	R00Y_075_050$_d$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.6	34.4	26.7	43.6	37.7	0.75	0.25	0.25	53.1	30.9	33.9	45.9	47.6	8.1	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
786	R00Y_062_037$_d$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	46.8	25.8	20.0	32.7	37.7	0.625	0.25	0.25	47.1	21.0	28.0	35.0	53.2	9.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
787	R00Y_050_025$_d$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	42.1	17.2	13.3	21.8	37.7	0.5	0.25	0.25	40.9	12.6	21.7	25.2	59.7	9.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
788	R00Y_037_012$_d$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	37.3	8.6	6.6	10.9	37.7	0.375	0.25	0.25	34.8	5.0	15.9	16.7	72.5	10.2	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
789	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.4	−0.5	6.8	6.8	94.5	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
790	G50B_025_012$_d$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	27.1	−2.1	−7.3	7.6	253.8	0.125	0.25	0.25	24.6	−9.0	−1.2	9.0	187.7	9.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
791	G50B_025_025$_d$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	21.7	−4.2	−14.7	15.3	253.8	0.0	0.25	0.25	20.9	−14.8	−9.0	17.3	211.3	12.0	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
792	R00Y_100_087$_d$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	55.1	60.3	46.7	76.3	37.7	1.0	0.125	0.125	54.4	63.1	53.5	82.8	40.3	7.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
793	R00Y_087_075$_d$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	50.4	51.7	40.0	65.4	37.7	0.875	0.125	0.125	51.5	53.4	46.1	70.6	40.7	6.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
794	R00Y_075_062$_d$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.6	43.1	33.3	54.5	37.7	0.75	0.125	0.125	46.5	43.5	38.2	57.9	41.3	5.0	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
795	R00Y_062_050$_d$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	40.9	34.4	26.7	43.6	37.7	0.625	0.125	0.125	40.7	33.3	31.8	46.1	43.6	5.2	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
796	R00Y_050_037$_d$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	36.1	25.8	20.0	32.7	37.7	0.5	0.125	0.125	35.0	23.5	25.2	34.5	47.0	5.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
797	R00Y_037_025$_d$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	31.3	17.2	13.3	21.8	37.7	0.375	0.125	0.125	29.5	14.9	18.7	23.9	51.5	6.1	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
798	R00Y_025_012$_d$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	26.6	8.6	6.6	10.9	37.7	0.25	0.125	0.125	24.4	7.4	12.3	14.3	59.0	6.1	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
799	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.8	−0.3	3.8	3.8	95.4	5.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
800	G50B_012_012$_d$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	16.4	−2.1	−7.3	7.6	253.8	0.0	0.125	0.125	15.5	−6.4	−2.3	6.9	200.1	6.6	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
801	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.4	69.0	53.6	87.4	37.8	0.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
802	R00Y_087_087$_d$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	44.4	60.3	46.7	76.3	37.7	0.875	0.0	0.0	45.6	61.7	47.0	77.6	37.2	1.9	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
803	R00Y_075_075$_d$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.6	51.7	40.0	65.4	37.7	0.75	0.0	0.0	40.5	53.3	38.7	65.9	35.9	2.2	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
804	R00Y_062_062$_d$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	34.9	43.1	33.3	54.5	37.7	0.625	0.0	0.0	34.6	44.1	31.1	53.9	35.2	2.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
805	R00Y_050_050$_d$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	30.1	34.4	26.7	43.6	37.7	0.5	0.0	0.0	29.3	34.0	24.6	42.0	35.8	2.3	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
806	R00Y_037_037$_d$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	25.4	25.8	20.0	32.7	37.7	0.375	0.0	0.0	24.7	24.4	17.6	30.1	35.7	2.8	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
807	R00Y_025_025$_d$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	20.6	17.2	13.3	21.8	37.7	0.25	0.0	0.0	20.9	15.2	12.0	19.4	38.1	2.4	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
808	R00Y_012_012$_d$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	15.8	8.6	6.6	10.9	37.7	0.125	0.0	0.0	15.8	6.2	5.8	8.5	43.4	2.5	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
809	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.1	0.1	110.6	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' =** ***9.2***

1-0031730-F0

ZE140−7N, Page 18/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

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

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output

N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 19/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM

http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS

application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

n	HIC*$_{Fd}$	rgb_$_{Fd}$			ict_$_{Fd}$			h$_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$					rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	h$_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
810	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.9	0.0	0.1	0.1	101.8	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
811	B00R_100_012$_d$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	87.2	6.1	−8.1	10.2	306.8	0.875	0.875	1.0	88.1	4.6	−11.9	12.7	291.1	4.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
812	B00R_100_025$_d$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	77.5	12.2	−16.3	20.4	306.8	0.75	0.75	1.0	77.8	9.5	−23.6	25.5	291.9	7.7	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
813	B00R_100_037$_d$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	67.8	18.4	−24.5	30.7	306.8	0.625	0.625	1.0	67.8	15.5	−35.2	38.5	293.8	11.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
814	B00R_100_050$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	58.1	24.5	−32.7	40.9	306.8	0.5	0.5	1.0	58.5	22.8	−43.9	49.5	297.4	11.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
815	B00R_100_062$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	48.4	30.7	−40.9	51.1	306.8	0.375	0.375	1.0	48.4	30.9	−52.2	60.6	300.6	11.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
816	B00R_100_075$_d$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	38.7	36.8	−49.1	61.4	306.8	0.25	0.25	1.0	38.0	40.3	−59.8	72.2	304.0	11.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
817	B00R_100_087$_d$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	29.0	43.0	−57.3	71.6	306.8	0.125	0.125	1.0	26.8	49.1	−65.5	81.9	306.8	10.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
818	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	0.0	1.0	19.1	49.4	−65.8	82.3	306.9	0.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
819	Y00G_100_012$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	96.2	−1.7	13.4	13.5	97.4	1.0	1.0	0.875	96.2	−4.9	13.8	14.7	109.5	3.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
820	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.8	−0.3	3.0	3.0	97.3	3.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
821	B00R_087_012$_d$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	76.5	6.1	−8.1	10.2	306.8	0.75	0.75	0.875	79.5	2.6	−7.3	7.8	290.0	4.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
822	B00R_087_025$_d$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	66.8	12.2	−16.3	20.4	306.8	0.625	0.625	0.875	69.9	7.5	−18.6	20.1	292.1	6.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
823	B00R_087_037$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	57.1	18.4	−24.5	30.7	306.8	0.5	0.5	0.875	59.0	15.1	−30.8	34.3	296.1	7.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
824	B00R_087_050$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	47.4	24.5	−32.7	40.9	306.8	0.375	0.375	0.875	49.1	22.0	−40.3	45.9	298.6	8.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
825	B00R_087_062$_d$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	37.7	30.7	−40.9	51.1	306.8	0.25	0.25	0.875	39.1	30.9	−48.9	57.8	302.3	8.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
826	B00R_087_075$_d$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	28.0	36.8	−49.1	61.4	306.8	0.125	0.125	0.875	28.7	39.6	−55.9	68.5	305.2	7.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
827	B00R_087_087$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	18.2	43.0	−57.3	71.6	306.8	0.0	0.0	0.875	19.0	42.3	−59.3	72.9	305.5	2.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
828	Y00G_100_025$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	95.4	−3.5	26.9	27.1	97.4	1.0	1.0	0.75	95.4	−8.8	27.8	29.2	107.7	5.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
829	Y00G_087_012$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	85.4	−1.7	13.4	13.5	97.4	0.875	0.875	0.75	85.9	−4.6	16.1	16.8	106.0	3.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
830	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.3	−0.5	4.8	4.9	96.7	4.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
831	B00R_075_012$_d$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	65.8	6.1	−8.1	10.2	306.8	0.625	0.625	0.75	68.1	2.0	−5.1	5.5	291.9	5.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
832	B00R_075_025$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	56.1	12.2	−16.3	20.4	306.8	0.5	0.5	0.75	58.1	7.2	−16.9	18.4	293.2	5.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
833	B00R_075_037$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	46.4	18.4	−24.5	30.7	306.8	0.375	0.375	0.75	48.0	13.7	−28.0	31.2	296.0	6.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
834	B00R_075_050$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	36.6	24.5	−32.7	40.9	306.8	0.25	0.25	0.75	38.3	21.3	−37.2	42.9	299.8	5.7	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
835	B00R_075_062$_d$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	26.9	30.7	−40.9	51.1	306.8	0.125	0.125	0.75	27.9	30.0	−45.7	54.6	303.3	4.8	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
836	B00R_075_075$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	17.2	36.8	−49.1	61.4	306.8	0.0	0.0	0.75	18.4	34.5	−50.2	60.9	304.4	2.8	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
837	Y00G_100_037$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	94.6	−5.2	40.4	40.7	97.4	1.0	1.0	0.625	94.5	−11.6	41.3	42.9	105.7	6.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
838	Y00G_087_025$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	84.7	−3.5	26.9	27.1	97.4	0.875	0.875	0.625	85.0	−7.9	29.5	30.6	105.1	5.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
839	Y00G_075_012$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	74.7	−1.7	13.4	13.5	97.4	0.75	0.75	0.625	74.5	−4.6	17.6	18.2	104.7	5.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
840	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.0	−0.8	6.4	6.4	97.4	6.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
841	B00R_062_012$_d$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	55.0	6.1	−8.1	10.2	306.8	0.5	0.5	0.625	55.7	2.0	−3.6	4.1	299.4	6.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
842	B00R_062_025$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	45.3	12.2	−16.3	20.4	306.8	0.375	0.375	0.625	45.2	7.1	−15.5	17.1	294.6	5.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
843	B00R_062_037$_d$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	35.6	18.4	−24.5	30.7	306.8	0.25	0.25	0.625	35.7	13.6	−25.8	29.1	297.7	4.9	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
844	B00R_062_050$_d$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	25.9	24.5	−32.7	40.9	306.8	0.125	0.125	0.625	26.2	21.7	−34.7	41.0	302.0	3.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
845	B00R_062_062$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	16.2	30.7	−40.9	51.1	306.8	0.0	0.0	0.625	16.6	27.3	−41.1	49.4	303.6	3.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
846	Y00G_100_050$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	93.9	−7.0	53.8	54.3	97.4	1.0	1.0	0.5	93.7	−13.8	55.6	57.3	103.9	6.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
847	Y00G_087_037$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.9	−5.2	40.4	40.7	97.4	0.875	0.875	0.5	84.1	−10.3	42.9	44.2	103.5	5.7	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
848	Y00G_075_025$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	73.9	−3.5	26.9	27.1	97.4	0.75	0.75	0.5	73.5	−7.7	30.9	31.9	104.0	5.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
849	Y00G_062_012$_d$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	64.0	−1.7	13.4	13.5	97.4	0.625	0.625	0.5	62.3	−4.8	19.7	20.3	103.6	7.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
850	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.5	−0.9	7.2	7.2	97.6	7.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
851	B00R_050_012$_d$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	44.3	6.1	−8.1	10.2	306.8	0.375	0.375	0.5	43.4	2.0	−3.4	4.0	301.1	6.3	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
852	B00R_050_025$_d$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	34.6	12.2	−16.3	20.4	306.8	0.25	0.25	0.5	33.0	8.2	−15.6	17.6	297.7	4.4	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
853	B00R_050_037$_d$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	24.9	18.4	−24.5	30.7	306.8	0.125	0.125	0.5	24.1	14.3	−25.2	29.0	299.6	4.2	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
854	B00R_050_050$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	15.2	24.5	−32.7	40.9	306.8	0.0	0.0	0.5	15.4	20.1	−31.9	37.7	302.2	4.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
855	Y00G_100_062$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	93.1	−8.8	67.3	67.9	97.4	1.0	1.0	0.375	93.4	−15.4	69.8	71.5	102.4	7.0	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
856	Y00G_087_050$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	83.1	−7.0	53.8	54.3	97.4	0.875	0.875	0.375	83.7	−12.4	56.7	58.1	102.3	6.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
857	Y00G_075_037$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.2	−5.2	40.4	40.7	97.4	0.75	0.75	0.375	73.1	−10.0	44.0	45.1	102.8	5.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
858	Y00G_062_025$_d$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	63.2	−3.5	26.9	27.1	97.4	0.625	0.625	0.375	61.7	−7.5	32.8	33.7	102.8	7.3	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
859	Y00G_050_012$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	53.2	−1.7	13.4	13.5	97.4	0.5	0.5	0.375	50.9	−4.6	21.4	21.9	102.1	8.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
860	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.8	−0.9	7.7	7.8	96.8	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
861	B00R_037_012$_d$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	33.6	6.1	−8.1	10.2	306.8	0.25	0.25	0.375	31.4	2.4	−4.3	5.0	299.5	5.7	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
862	B00R_037_025$_d$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	23.9	12.2	−16.3	20.4	306.8	0.125	0.125	0.375	22.2	8.8	−16.0	18.3	298.8	3.8	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
863	B00R_037_037$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	14.1	18.4	−24.5	30.7	306.8	0.0	0.0	0.375	15.0	13.6	−23.1	26.8	300.5	5.1	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
864	Y00G_100_075$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	92.3	−10.5	80.8	81.5	97.4	1.0	1.0	0.25	92.7	−16.0	84.8	86.3	100.7	6.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
865	Y00G_087_062$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	82.3	−8.8	67.3	67.9	97.4	0.875	0.875	0.25	82.9	−13.7	70.0	71.4	101.1	5.7	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
866	Y00G_075_050$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−7.0	53.8	54.3	97.4	0.75	0.75	0.25	72.3	−11.4	56.4	57.6	101.4	5.0	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
867	Y00G_062_037$_d$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	62.4	−5.2	40.4	40.7	97.4	0.625	0.625	0.25	61.0	−9.2	45.0	46.0	101.5	6.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
868	Y00G_050_025$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	52.5	−3.5	26.9	27.1	97.4	0.5	0.5	0.25	50.0	−6.8	34.2	34.8	101.3	8.3	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
869	Y00G_037_012$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	42.5	−1.7	13.4	13.5	97.4	0.375	0.375	0.25	39.1	−4.1	22.2	22.5	100.6	9.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
870	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.4	−0.5	6.8	6.8	94.3	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
871	B00R_025_012$_d$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	22.8	6.1	−8.1	10.2	306.8	0.125	0.125	0.25	20.2	3.8	−6.9	7.9	298.9	3.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
872	B00R_025_025$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	13.1	12.2	−16.3	20.4	306.8	0.0	0.0	0.25	14.3	7.9	−14.5	16.6	298.6	4.8	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
873	Y00G_100_087$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	91.5	−12.3	94.2	95.0	97.4	1.0	1.0	0.125	91.9	−15.8	97.5	98.8	99.2	4.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
874	Y00G_087_075$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	81.6	−10.5	80.8	81.5	97.4	0.875	0.875	0.125	82.2	−13.9	82.1	83.3	99.6	3.7	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
875	Y00G_075_062$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	71.6	−8.8	67.3	67.9	97.4	0.75	0.75	0.125	71.6	−11.8	68.1	69.1	99.8	3.1	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
876	Y00G_062_050$_d$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	61.7	−7.0	53.8	54.3	97.4	0.625	0.625	0.125	60.4	−9.9	56.1	56.9	100.0	3.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
877	Y00G_050_037$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	51.7	−5.2	40.4	40.7	97.4	0.5	0.5	0.125	49.5	−7.8	44.1	44.8	100.1	5.0	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
878	Y00G_037_025$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	41.7	−3.5	26.9	27.1	97.4	0.375	0.375	0.125	38.8	−5.6	32.0	32.5	100.0	6.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
879	Y00G_025_012$_d$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	31.8	−1.7	13.4	13.5	97.4	0.25	0.25	0.125	28.7	−3.5	19.7	20.0	100.3	7.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
880	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.6	−0.3	3.8	3.8	95.3	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
881	B00R_012_012$_d$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	12.1	6.1	−8.1	10.2	306.8	0.0	0.0	0.125	12.6	3.1	−6.1	6.8	297.4	3.6	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
882	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	1.0	1.0	0.0	91.0	−14.1	108.1	109.1	97.4	0.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
883	Y00G_087_087$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	80.8	−12.3	94.2	95.0	97.4	0.875	0.875	0.0	81.3	−12.8	93.2	94.1	97.8	1.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
884	Y00G_075_075$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	70.8	−10.5	80.8	81.5	97.4	0.75	0.75	0.0	70.8	−11.2	78.0	78.8	98.1	2.8	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
885	Y00G_062_062$_d$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	60.9	−8.8	67.3	67.9	97.4	0.625	0.625	0.0	59.6	−9.4	64.3	65.0	98.3	3.2	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
886	Y00G_050_050$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	50.9	−7.0	53.8	54.3	97.4	0.5	0.5	0.0	48.7	−7.6	51.0	51.5	98.5	3.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
887	Y00G_037_037$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	41.0	−5.2	40.4	40.7	97.4	0.375	0.375	0.0	39.0	−5.9	38.3	38.7	98.8	2.9	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
888	Y00G_025_025$_d$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	31.0	−3.5	26.9	27.1	97.4	0.25	0.25	0.0	29.2	−4.0	25.0	25.4	99.1	2.6	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
889	Y00G_012_012$_d$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	21.0	−1.7	13.4	13.5	97.4	0.125	0.125	0.0	18.7	−1.8	11.0	11.2	99.6	3.3	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
890	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	29.3	0.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' = *5.4***

1−0031830−F0

ZE140−7N, Page 19/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

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

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 20/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

n	HIC^*_{Fd}	$rgb_{\_Fd}$			$ict_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
891	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.9	−0.1	0.4	0.5	110.3	0.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
892	B50R_100_012$_d$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	91.1	10.1	−1.4	10.2	351.7	1.0	0.875	1.0	91.9	10.5	−5.4	11.8	332.5	4.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
893	B50R_100_025$_d$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	85.3	20.3	−2.9	20.5	351.7	1.0	0.75	1.0	86.5	21.4	−10.6	23.9	333.5	7.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
894	B50R_100_037$_d$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	79.5	30.5	−4.4	30.8	351.7	1.0	0.625	1.0	80.4	33.1	−15.9	36.7	334.3	11.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
895	B50R_100_050$_d$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	73.7	40.6	−5.9	41.1	351.7	1.0	0.5	1.0	74.8	44.0	−19.7	48.2	335.9	14.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
896	B50R_100_062$_d$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	67.9	50.8	−7.4	51.3	351.7	1.0	0.375	1.0	69.4	55.0	−21.8	59.2	338.3	15.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
897	B50R_100_075$_d$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	62.1	61.0	−8.8	61.6	351.7	1.0	0.25	1.0	62.7	68.3	−23.3	72.2	341.1	16.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
898	B50R_100_087$_d$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	56.3	71.1	−10.3	71.9	351.7	1.0	0.125	1.0	55.4	79.4	−20.6	82.0	345.4	13.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
899	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	1.0	0.0	1.0	50.5	81.8	−11.5	82.6	351.9	0.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
900	G00B_100_012$_d$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.4	−9.5	3.7	10.2	158.5	0.875	1.0	0.875	91.7	−11.2	6.8	13.1	148.7	3.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
901	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	86.8	−0.3	3.1	3.1	97.0	3.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
902	B50R_087_012$_d$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	80.4	10.1	−1.4	10.2	351.7	0.875	0.75	0.875	82.9	8.0	−1.5	8.1	348.9	3.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
903	B50R_087_025$_d$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	74.6	20.3	−2.9	20.5	351.7	0.875	0.625	0.875	78.2	17.9	−6.2	18.9	340.7	5.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
904	B50R_087_037$_d$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.8	30.5	−4.4	30.8	351.7	0.875	0.5	0.875	72.6	29.9	−11.2	31.9	339.4	7.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
905	B50R_087_050$_d$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	63.0	40.6	−5.9	41.1	351.7	0.875	0.375	0.875	66.4	42.3	−15.3	45.1	340.0	10.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
906	B50R_087_062$_d$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	57.2	50.8	−7.4	51.3	351.7	0.875	0.25	0.875	59.9	55.0	−18.5	58.1	341.3	12.2	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
907	B50R_087_075$_d$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	51.4	61.0	−8.8	61.6	351.7	0.875	0.125	0.875	52.9	66.9	−18.1	69.3	344.8	11.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
908	B50R_087_087$_d$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	45.6	71.1	−10.3	71.9	351.7	0.875	0.0	0.875	46.8	73.3	−11.9	74.2	350.7	2.9	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
909	G00B_100_025$_d$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	83.9	−19.1	7.5	20.5	158.5	0.75	1.0	0.75	86.0	−23.3	12.7	26.5	151.3	7.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
910	G00B_087_012$_d$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	79.7	−9.5	3.7	10.2	158.5	0.75	0.875	0.75	82.2	−10.7	9.8	14.5	137.6	6.6	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
911	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.2	−0.6	4.9	4.9	96.9	4.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
912	B50R_075_012$_d$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	69.7	10.1	−1.4	10.2	351.7	0.75	0.625	0.75	71.4	7.1	0.6	7.1	4.8	4.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
913	B50R_075_025$_d$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	63.9	20.3	−2.9	20.5	351.7	0.75	0.5	0.75	66.8	17.0	−4.1	17.5	346.4	4.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
914	B50R_075_037$_d$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	58.1	30.5	−4.4	30.8	351.7	0.75	0.375	0.75	61.0	28.8	−8.9	30.1	342.6	5.6	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
915	B50R_075_050$_d$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.3	40.6	−5.9	41.1	351.7	0.75	0.25	0.75	54.9	41.7	−12.9	43.6	342.8	7.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
916	B50R_075_062$_d$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.5	50.8	−7.4	51.3	351.7	0.75	0.125	0.75	47.9	55.2	−14.8	57.1	344.9	8.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
917	B50R_075_075$_d$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.6	61.0	−8.8	61.6	351.7	0.75	0.0	0.75	41.6	63.4	−11.0	64.4	350.1	3.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
918	G00B_100_037$_d$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	77.4	−28.7	11.2	30.8	158.5	0.625	1.0	0.625	80.0	−36.3	18.4	40.7	153.1	10.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
919	G00B_087_025$_d$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	73.2	−19.1	7.5	20.5	158.5	0.625	0.875	0.625	77.0	−22.8	15.8	27.7	145.3	9.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
920	G00B_075_012$_d$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	69.0	−9.5	3.7	10.2	158.5	0.625	0.75	0.625	70.8	−10.9	11.7	16.0	133.0	8.2	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
921	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.0	−0.8	6.3	6.4	97.3	6.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
922	B50R_062_012$_d$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	58.9	10.1	−1.4	10.2	351.7	0.625	0.5	0.625	59.4	6.9	2.1	7.3	17.0	4.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
923	B50R_062_025$_d$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	53.1	20.3	−2.9	20.5	351.7	0.625	0.375	0.625	54.2	17.3	−2.7	17.5	351.0	3.1	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
924	B50R_062_037$_d$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	47.3	30.5	−4.4	30.8	351.7	0.625	0.25	0.625	48.4	29.4	−7.4	30.3	345.8	3.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
925	B50R_062_050$_d$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	41.5	40.6	−5.9	41.1	351.7	0.625	0.125	0.625	42.0	43.1	−11.2	44.5	345.4	5.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
926	B50R_062_062$_d$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	35.7	50.8	−7.4	51.3	351.7	0.625	0.0	0.625	35.8	52.7	−9.3	53.5	349.9	2.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
927	G00B_100_050$_d$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	70.9	−38.2	15.0	41.1	158.5	0.5	1.0	0.5	73.6	−50.8	25.1	56.7	153.6	16.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
928	G00B_087_037$_d$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	66.7	−28.7	11.2	30.8	158.5	0.5	0.875	0.5	70.6	−37.5	20.4	42.7	151.3	13.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
929	G00B_075_025$_d$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	62.5	−19.1	7.5	20.5	158.5	0.5	0.75	0.5	65.3	−23.9	16.7	29.1	145.0	10.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
930	G00B_062_012$_d$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	58.2	−9.5	3.7	10.2	158.5	0.5	0.625	0.5	58.7	−11.1	13.1	17.2	130.3	9.5	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
931	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.6	−0.9	7.1	7.2	97.5	7.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
932	B50R_050_012$_d$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	48.2	10.1	−1.4	10.2	351.7	0.5	0.375	0.5	47.7	7.6	2.5	8.0	18.4	4.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
933	B50R_050_025$_d$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	42.4	20.3	−2.9	20.5	351.7	0.5	0.25	0.5	41.9	18.7	−2.3	18.9	352.7	1.7	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
934	B50R_050_037$_d$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	36.6	30.5	−4.4	30.8	351.7	0.5	0.125	0.5	36.2	31.1	−6.9	31.8	347.3	2.6	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
935	B50R_050_050$_d$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	30.8	40.6	−5.9	41.1	351.7	0.5	0.0	0.5	30.2	42.0	−7.8	42.8	349.3	2.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
936	G00B_100_062$_d$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	64.4	−47.8	18.7	51.4	158.5	0.375	1.0	0.375	67.0	−63.9	30.2	70.7	154.6	19.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
937	G00B_087_050$_d$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	60.2	−38.2	15.0	41.1	158.5	0.375	0.875	0.375	64.1	−52.0	25.6	57.9	153.7	17.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
938	G00B_075_037$_d$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	55.9	−28.7	11.2	30.8	158.5	0.375	0.75	0.375	59.4	−37.7	20.7	43.0	151.2	13.5	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
939	G00B_062_025$_d$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	51.7	−19.1	7.5	20.5	158.5	0.375	0.625	0.375	53.1	−24.3	17.8	30.2	143.7	11.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
940	G00B_050_012$_d$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	47.5	−9.5	3.7	10.2	158.5	0.375	0.5	0.375	47.0	−11.9	14.2	18.6	130.0	10.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
941	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	40.0	−0.8	7.7	7.7	96.5	8.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
942	B50R_037_012$_d$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	37.5	10.1	−1.4	10.2	351.7	0.375	0.25	0.375	35.6	8.4	2.8	8.9	18.9	5.0	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
943	B50R_037_025$_d$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	31.7	20.3	−2.9	20.5	351.7	0.375	0.125	0.375	30.2	20.2	−2.6	20.4	352.5	1.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
944	B50R_037_037$_d$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	25.9	30.5	−4.4	30.8	351.7	0.375	0.0	0.375	25.4	30.8	−5.7	31.4	349.4	1.3	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
945	G00B_100_075$_d$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	57.9	−57.4	22.5	61.6	158.5	0.25	1.0	0.25	58.3	−74.1	32.3	80.8	156.4	19.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
946	G00B_087_062$_d$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	53.6	−47.8	18.7	51.4	158.5	0.25	0.875	0.25	56.9	−62.6	28.1	68.7	155.8	17.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
947	G00B_075_050$_d$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	49.4	−38.2	15.0	41.1	158.5	0.25	0.75	0.25	52.3	−50.8	23.6	56.1	155.0	15.5	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
948	G00B_062_037$_d$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	45.2	−28.7	11.2	30.8	158.5	0.25	0.625	0.25	46.6	−37.8	20.3	42.9	151.7	12.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
949	G00B_050_025$_d$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	41.0	−19.1	7.5	20.5	158.5	0.25	0.5	0.25	40.9	−25.2	16.7	30.2	146.4	11.0	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
950	G00B_037_012$_d$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	36.8	−9.5	3.7	10.2	158.5	0.25	0.375	0.25	35.4	−12.7	14.0	18.9	132.1	10.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
951	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.6	−0.5	7.0	7.0	94.2	8.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
952	B50R_025_012$_d$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	26.7	10.1	−1.4	10.2	351.7	0.25	0.125	0.25	24.5	9.7	1.2	9.7	7.0	3.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
953	B50R_025_025$_d$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	20.9	20.3	−2.9	20.5	351.7	0.25	0.0	0.25	20.7	19.5	−2.8	19.7	351.7	0.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
954	G00B_100_087$_d$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	51.4	−67.0	26.2	71.9	158.5	0.125	1.0	0.125	51.4	−77.7	33.0	84.4	156.9	12.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
955	G00B_087_075$_d$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	47.1	−57.4	22.5	61.6	158.5	0.125	0.875	0.125	49.5	−69.8	27.5	75.0	158.4	13.6	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
956	G00B_075_062$_d$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	42.9	−47.8	18.7	51.4	158.5	0.125	0.75	0.125	45.3	−59.7	24.5	64.6	157.6	13.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
957	G00B_062_050$_d$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	38.7	−38.2	15.0	41.1	158.5	0.125	0.625	0.125	39.7	−48.9	21.1	53.3	156.6	12.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
958	G00B_050_037$_d$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	34.5	−28.7	11.2	30.8	158.5	0.125	0.5	0.125	34.3	−37.2	17.4	41.1	154.8	10.5	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
959	G00B_037_025$_d$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	30.3	−19.1	7.5	20.5	158.5	0.125	0.375	0.125	29.4	−25.4	13.7	28.9	151.5	8.9	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
960	G00B_025_012$_d$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	26.0	−9.5	3.7	10.2	158.5	0.125	0.25	0.125	24.5	−13.3	10.4	16.9	141.9	7.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
961	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	18.1	−0.3	3.9	3.9	94.5	5.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
962	B50R_012_012$_d$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	16.0	10.1	−1.4	10.2	351.7	0.125	0.0	0.125	15.8	7.8	0.0	7.8	0.1	2.8	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7
963	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	1.0	0.0	44.3	−78.0	30.0	83.6	158.9	1.5	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
964	G00B_087_087$_d$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	40.6	−67.0	26.2	71.9	158.5	0.0	0.875	0.0	42.5	−70.9	26.7	75.8	159.3	4.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
965	G00B_075_075$_d$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	36.4	−57.4	22.5	61.6	158.5	0.0	0.75	0.0	38.7	−61.3	22.6	65.4	159.7	4.5	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
966	G00B_062_062$_d$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	32.2	−47.8	18.7	51.4	158.5	0.0	0.625	0.0	33.8	−51.7	19.7	55.4	159.1	4.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
967	G00B_050_050$_d$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	28.0	−38.2	15.0	41.1	158.5	0.0	0.5	0.0	28.8	−42.5	15.8	45.4	159.5	4.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
968	G00B_037_037$_d$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	23.7	−28.7	11.2	30.8	158.5	0.0	0.375	0.0	24.0	−32.9	12.2	35.1	159.5	4.3	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
969	G00B_025_025$_d$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	19.5	−19.1	7.5	20.5	158.5	0.0	0.25	0.0	19.8	−21.9	7.9	23.3	160.0	2.8	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
970	G00B_012_012$_d$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	15.3	−9.5	3.7	10.2	158.5	0.0	0.125	0.0	15.3	−9.2	4.0	10.1	156.3	0.4	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
971	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	87.2	0.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta $E^{*\prime}$ = *7.7***

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

n	HIC*$_{Fd}$	rgb_Fd			ict_Fd			$h_{si\_F,d}$	rgb*$_{Fd}$			LabCh*$_{Fd}$					rgb*'$_{Fd}$			LabCh*'$_{Fd}$					DE*'$_{Fd}$	$h_{siM,d}$	rgb*$_{Md}$			LabCh*$_{Md}$				
972	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	−0.1	0.1	0.1	130.6	0.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
973	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.6	−0.4	3.8	3.8	96.3	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
974	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.3	−0.6	6.8	6.8	95.2	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
975	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.5	−0.9	7.7	7.7	97.2	8.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
976	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.8	−0.9	6.9	7.0	98.1	7.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
977	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.3	−0.8	6.2	6.3	97.9	6.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
978	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.5	−0.6	4.8	4.8	97.4	4.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
979	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	87.0	−0.4	2.9	2.9	97.8	3.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
980	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.1	0.0	0.0	0.0	264.8	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
981	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	−0.1	0.1	0.1	125.7	0.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
982	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.5	−0.4	3.8	3.8	96.1	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
983	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.3	−0.5	6.8	6.8	95.0	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
984	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.5	−0.9	7.6	7.7	97.4	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
985	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.9	−1.0	7.0	7.0	98.2	7.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
986	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.5	−0.8	6.2	6.3	97.8	6.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
987	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.5	−0.6	4.8	4.8	97.2	4.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
988	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	87.0	−0.4	2.8	2.9	98.0	3.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
989	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.1	0.0	0.0	0.0	191.9	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
990	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.0	0.0	241.0	0.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
991	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.4	−0.3	3.7	3.7	95.9	5.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
992	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.3	−0.6	6.7	6.8	95.2	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
993	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.5	−0.9	7.6	7.6	97.2	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
994	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	52.0	−0.9	6.9	7.0	98.0	7.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
995	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.6	−0.8	6.2	6.2	97.7	6.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
996	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.5	−0.6	4.7	4.8	97.4	4.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
997	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	87.0	−0.4	2.9	2.9	97.8	3.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
998	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.1	0.0	0.0	0.0	243.6	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
999	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	126.3	0.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1000	NW_012$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	21.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	17.5	−0.4	3.7	3.8	96.5	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1001	NW_025$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	32.5	0.0	0.0	0.0	0.0	0.25	0.25	0.25	28.5	−0.5	6.7	6.7	95.0	7.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1002	NW_037$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	43.3	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.6	−0.9	7.5	7.6	97.1	8.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1003	NW_050$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	54.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.7	−0.9	7.0	7.1	97.8	7.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1004	NW_062$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	64.7	0.0	0.0	0.0	0.0	0.625	0.625	0.625	63.5	−0.8	6.2	6.3	97.7	6.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1005	NW_075$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	75.5	0.0	0.0	0.0	0.0	0.75	0.75	0.75	75.4	−0.6	4.8	4.8	97.2	4.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1006	NW_087$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.2	0.0	0.0	0.0	0.0	0.875	0.875	0.875	87.0	−0.3	2.9	3.0	97.4	3.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1007	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.1	0.0	0.0	0.0	86.4	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1008	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.5	0.0	0.0	0.0	262.3	0.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1009	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	16.7	0.0	0.0	0.0	0.0	0.066	0.066	0.066	13.5	−0.1	1.8	1.8	94.0	3.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1010	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	22.5	0.0	0.0	0.0	0.0	0.133	0.133	0.133	18.2	−0.3	3.9	3.9	95.2	5.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1011	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	28.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	23.6	−0.4	5.6	5.6	94.8	7.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1012	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	33.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	29.9	−0.5	7.0	7.0	94.7	8.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1013	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	39.7	0.0	0.0	0.0	0.0	0.333	0.333	0.333	35.6	−0.8	7.6	7.6	95.9	8.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1014	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	45.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	41.6	−0.8	7.5	7.6	96.6	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1015	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	51.1	0.0	0.0	0.0	0.0	0.466	0.466	0.466	48.1	−0.9	7.4	7.5	96.9	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1016	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	56.8	0.0	0.0	0.0	0.0	0.533	0.533	0.533	54.4	−0.9	6.7	6.8	98.1	7.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1017	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	62.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	61.0	−0.9	6.5	6.6	98.1	6.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1018	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	68.3	0.0	0.0	0.0	0.0	0.666	0.666	0.666	67.6	−0.8	5.8	5.9	97.8	5.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1019	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.1	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.1	−0.6	5.0	5.0	97.5	5.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1020	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.2	−0.5	4.2	4.2	97.1	4.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1021	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.4	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.2	−0.4	3.1	3.1	97.3	3.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1022	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.2	0.0	0.0	0.0	0.0	0.933	0.933	0.933	91.9	−0.2	1.6	1.6	99.8	1.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1023	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.1	0.0	−0.1	0.1	281.1	0.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1024	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	−0.1	0.1	254.5	0.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1025	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	16.7	0.0	0.0	0.0	0.0	0.066	0.066	0.066	13.6	−0.1	1.8	1.8	95.5	3.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1026	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	22.5	0.0	0.0	0.0	0.0	0.133	0.133	0.133	18.0	−0.3	4.0	4.0	95.1	6.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1027	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	28.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	23.6	−0.4	5.6	5.7	94.4	7.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1028	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	33.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	30.0	−0.5	7.0	7.0	94.6	8.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1029	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	39.7	0.0	0.0	0.0	0.0	0.333	0.333	0.333	36.0	−0.8	7.6	7.6	96.0	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1030	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	45.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	41.6	−0.8	7.5	7.6	96.7	8.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1031	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	51.1	0.0	0.0	0.0	0.0	0.466	0.466	0.466	48.4	−0.9	7.3	7.4	97.2	7.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1032	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	56.8	0.0	0.0	0.0	0.0	0.533	0.533	0.533	54.4	−0.9	6.7	6.8	98.1	7.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1033	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	62.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	61.1	−0.9	6.5	6.5	97.8	6.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1034	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	68.3	0.0	0.0	0.0	0.0	0.666	0.666	0.666	67.7	−0.7	5.8	5.8	97.6	5.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1035	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.1	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.0	−0.6	4.9	4.9	97.3	4.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1036	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.1	−0.4	4.0	4.0	97.0	4.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1037	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.4	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.3	−0.3	3.0	3.0	97.2	3.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1038	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.2	0.0	0.0	0.0	0.0	0.933	0.933	0.933	92.0	−0.2	1.6	1.6	99.1	1.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1039	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.2	0.0	0.0	0.0	68.5	0.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1040	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	244.9	0.5	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1041	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	16.7	0.0	0.0	0.0	0.0	0.066	0.066	0.066	13.6	−0.1	1.7	1.7	93.6	3.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1042	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	22.5	0.0	0.0	0.0	0.0	0.133	0.133	0.133	17.9	−0.3	3.8	3.9	95.4	6.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1043	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	28.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	23.4	−0.4	5.6	5.7	94.8	7.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1044	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	33.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	29.9	−0.5	7.1	7.1	94.6	8.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1045	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	39.7	0.0	0.0	0.0	0.0	0.333	0.333	0.333	35.5	−0.7	7.7	7.7	95.9	8.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1046	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	45.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	41.5	−0.8	7.6	7.6	96.3	8.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1047	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	51.1	0.0	0.0	0.0	0.0	0.466	0.466	0.466	48.5	−0.8	7.3	7.4	96.9	7.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1048	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	56.8	0.0	0.0	0.0	0.0	0.533	0.533	0.533	54.7	−0.9	6.8	6.8	98.0	7.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1049	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	62.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	61.3	−0.8	6.4	6.5	97.7	6.6	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1050	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	68.3	0.0	0.0	0.0	0.0	0.666	0.666	0.666	67.7	−0.7	5.8	5.9	97.3	5.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1051	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.1	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.1	−0.6	5.0	5.0	96.9	5.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1052	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.2	−0.5	4.2	4.3	96.7	4.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E**' = *5.2***

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 22/38

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
1053	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.4	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.3	−0.3	3.1	3.2	96.2	3.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1054	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.2	0.0	0.0	0.0	0.0	0.933	0.933	0.933	92.0	−0.2	1.7	1.7	98.3	1.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1055	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.2	0.0	0.0	0.0	67.9	0.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1056	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	0.0	−0.2	0.2	276.5	0.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1057	NW_006$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	16.7	0.0	0.0	0.0	0.0	0.066	0.066	0.066	14.1	−0.1	1.7	1.7	94.3	3.1	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1058	NW_013$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	22.5	0.0	0.0	0.0	0.0	0.133	0.133	0.133	18.0	−0.3	3.9	3.9	94.9	5.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1059	NW_020$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	28.3	0.0	0.0	0.0	0.0	0.2	0.2	0.2	23.7	−0.5	5.6	5.6	95.1	7.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1060	NW_026$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	33.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	29.9	−0.5	7.0	7.0	94.8	8.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1061	NW_033$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	39.7	0.0	0.0	0.0	0.0	0.333	0.333	0.333	36.1	−0.7	7.6	7.7	95.7	8.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1062	NW_040$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	45.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	41.8	−0.8	7.6	7.6	96.4	8.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1063	NW_046$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	51.1	0.0	0.0	0.0	0.0	0.466	0.466	0.466	48.6	−0.8	7.4	7.5	96.6	7.9	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1064	NW_053$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	56.8	0.0	0.0	0.0	0.0	0.533	0.533	0.533	54.7	−0.9	6.9	6.9	97.8	7.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1065	NW_060$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	62.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	61.4	−0.8	6.5	6.6	97.6	6.7	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1066	NW_066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	68.3	0.0	0.0	0.0	0.0	0.666	0.666	0.666	67.9	−0.7	5.9	6.0	97.3	6.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1067	NW_073$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.1	0.0	0.0	0.0	0.0	0.734	0.734	0.734	74.0	−0.6	5.1	5.2	97.3	5.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1068	NW_080$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.8	0.0	0.0	0.0	0.0	0.8	0.8	0.8	80.2	−0.4	4.2	4.2	96.3	4.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1069	NW_086$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.4	0.0	0.0	0.0	0.0	0.866	0.866	0.866	86.3	−0.3	3.2	3.2	95.9	3.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1070	NW_093$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.2	0.0	0.0	0.0	0.0	0.933	0.933	0.933	91.9	−0.2	1.6	1.7	97.4	1.8	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1071	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.2	0.0	0.2	0.2	93.2	0.3	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1072	NW_000$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.8	0.0	0.3	0.3	93.9	0.4	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1073	NW_100$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0	1.0	1.0	1.0	97.2	0.0	0.0	0.0	213.2	0.2	360	1.0	1.0	1.0	96.9	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7	1.0	0.0	0.0	49.5	69.0	54.0	87.6	38.0	0.6	389	1.0	0.0	0.0	49.2	68.9	53.4	87.2	37.7
1075	G50B_100_100$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8	0.0	1.0	1.0	53.5	−17.2	−59.0	61.5	253.7	0.2	210	0.0	1.0	1.0	53.6	−17.0	−58.8	61.2	253.8
1076	Y00G_100_100$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4	1.0	1.0	0.0	91.0	−14.2	108.0	108.9	97.5	0.4	89	1.0	1.0	0.0	90.8	−14.0	107.7	108.6	97.4
1077	B00R_100_100$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8	0.0	0.0	1.0	19.0	49.8	−66.3	82.9	306.9	1.0	270	0.0	0.0	1.0	19.3	49.1	−65.5	81.9	306.8
1078	G00B_100_100$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5	0.0	1.0	0.0	44.6	−78.0	30.9	83.9	158.3	1.7	149	0.0	1.0	0.0	44.8	−76.5	30.0	82.2	158.5
1079	B50R_100_100$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7	1.0	0.0	1.0	50.8	81.5	−11.6	82.3	351.8	0.4	330	1.0	0.0	1.0	50.5	81.3	−11.8	82.2	351.7

Mean color difference of this page: **delta *E**' =** ***3.5***

1−0032130−F0

ZE140−7N, Page 22/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

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

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

n/j	***rgb**_Fd*1000*			***rgb****$_{Fd}$**1000*			***rgb'****$_{Fd}$*			***cmyn'****$_{6,sep,Fd}$**1000*			
0/648	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
1/657	1000	125	0	1000	116	0	1000	125	0	0	883	1000	0 #
2/666	1000	250	0	1000	233	0	1000	250	0	0	766	1000	0 #
3/675	1000	375	0	1000	366	0	1000	375	0	0	633	1000	0 #
4/684	1000	500	0	1000	500	0	1000	500	0	0	500	1000	0 #
5/693	1000	625	0	1000	633	0	1000	625	0	0	366	1000	0 #
6/702	1000	750	0	1000	766	0	1000	750	0	0	233	1000	0 #
7/711	1000	875	0	1000	883	0	1000	875	0	0	116	1000	0 #
8/720	1000	1000	0	1000	1000	0	1000	1000	0	0	0	1000	0 #
9/639	875	1000	0	883	1000	0	875	1000	0	116	0	1000	0 #
10/558	750	1000	0	766	1000	0	750	1000	0	233	0	1000	0 #
11/477	625	1000	0	633	1000	0	625	1000	0	366	0	1000	0 #
12/396	500	1000	0	500	1000	0	500	1000	0	500	0	1000	0 #
13/315	375	1000	0	366	1000	0	375	1000	0	633	0	1000	0 #
14/234	250	1000	0	233	1000	0	250	1000	0	766	0	1000	0 #
15/153	125	1000	0	116	1000	0	125	1000	0	883	0	1000	0 #
16/72	0	1000	0	0	1000	0	0	1000	0	1000	0	1000	0 #
17/73	0	1000	125	0	1000	116	0	1000	125	1000	0	883	0 #
18/74	0	1000	250	0	1000	233	0	1000	250	1000	0	766	0 #
19/75	0	1000	375	0	1000	366	0	1000	375	1000	0	633	0 #
20/76	0	1000	500	0	1000	500	0	1000	500	1000	0	500	0 #
21/77	0	1000	625	0	1000	633	0	1000	625	1000	0	366	0 #
22/78	0	1000	750	0	1000	766	0	1000	750	1000	0	233	0 #
23/79	0	1000	875	0	1000	883	0	1000	875	1000	0	116	0 #
24/80	0	1000	1000	0	1000	1000	0	1000	1000	1000	0	0	0 #
25/71	0	875	1000	0	883	1000	0	875	1000	1000	116	0	0 #
26/62	0	750	1000	0	766	1000	0	750	1000	1000	233	0	0 #
27/53	0	625	1000	0	633	1000	0	625	1000	1000	366	0	0 #
28/44	0	500	1000	0	500	1000	0	500	1000	1000	500	0	0 #
29/35	0	375	1000	0	366	1000	0	375	1000	1000	633	0	0 #
30/26	0	250	1000	0	233	1000	0	250	1000	1000	766	0	0 #
31/17	0	125	1000	0	116	1000	0	125	1000	1000	883	0	0 #
32/8	0	0	1000	0	0	1000	0	0	1000	1000	1000	0	0 #
33/89	125	0	1000	116	0	1000	125	0	1000	883	1000	0	0 #
34/170	250	0	1000	233	0	1000	250	0	1000	766	1000	0	0 #
35/251	375	0	1000	366	0	1000	375	0	1000	633	1000	0	0 #
36/332	500	0	1000	500	0	1000	500	0	1000	500	1000	0	0 #
37/413	625	0	1000	633	0	1000	625	0	1000	366	1000	0	0 #
38/494	750	0	1000	766	0	1000	750	0	1000	233	1000	0	0 #
39/575	875	0	1000	883	0	1000	875	0	1000	116	1000	0	0 #
40/656	1000	0	1000	1000	0	1000	1000	0	1000	0	1000	0	0 #
41/655	1000	0	875	1000	0	883	1000	0	875	0	1000	116	0 #
42/654	1000	0	750	1000	0	766	1000	0	750	0	1000	233	0 #
43/653	1000	0	625	1000	0	633	1000	0	625	0	1000	366	0 #
44/652	1000	0	500	1000	0	500	1000	0	500	0	1000	500	0 #
45/651	1000	0	375	1000	0	366	1000	0	375	0	1000	633	0 #
46/650	1000	0	250	1000	0	233	1000	0	250	0	1000	766	0 #
47/649	1000	0	125	1000	0	116	1000	0	125	0	1000	883	0 #
48/648	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
49/0	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
50/91	125	125	125	125	125	125	125	125	125	0	0	0	875 #
51/182	250	250	250	250	250	250	250	250	250	0	0	0	750 #
52/273	375	375	375	375	375	375	375	375	375	0	0	0	625 #
53/364	500	500	500	500	500	500	500	500	500	0	0	0	500 #
54/455	625	625	625	625	625	625	625	625	625	0	0	0	375 #
55/546	750	750	750	750	750	750	750	750	750	0	0	0	250 #
56/637	875	875	875	875	875	875	875	875	875	0	0	0	125 #
57/728	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* -> *rgb*$_d$
output: transfer to *rgb*$_d$

n/j	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
0/648	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
1/666	1000	250	0	1000	233	0	1000	250	0	0	766	1000	0 #
2/684	1000	500	0	1000	500	0	1000	500	0	0	500	1000	0 #
3/702	1000	750	0	1000	766	0	1000	750	0	0	233	1000	0 #
4/720	1000	1000	0	1000	1000	0	1000	1000	0	0	0	1000	0 #
5/558	750	1000	0	766	1000	0	750	1000	0	233	0	1000	0 #
6/396	500	1000	0	500	1000	0	500	1000	0	500	0	1000	0 #
7/234	250	1000	0	233	1000	0	250	1000	0	766	0	1000	0 #
8/72	0	1000	0	0	1000	0	0	1000	0	1000	0	1000	0 #
9/72	0	1000	0	0	1000	0	0	1000	0	1000	0	1000	0 #
10/76	0	1000	500	0	1000	500	0	1000	500	1000	0	500	0 #
11/80	0	1000	1000	0	1000	1000	0	1000	1000	1000	0	0	0 #
12/44	0	500	1000	0	500	1000	0	500	1000	1000	500	0	0 #
13/8	0	0	1000	0	0	1000	0	0	1000	1000	1000	0	0 #
14/332	500	0	1000	500	0	1000	500	0	1000	500	1000	0	0 #
15/656	1000	0	1000	1000	0	1000	1000	0	1000	0	1000	0	0 #
16/652	1000	0	500	1000	0	500	1000	0	500	0	1000	500	0 #
17/648	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
18/688	1000	500	500	1000	500	500	1000	500	500	0	500	500	0 #
19/706	1000	750	500	1000	750	500	1000	750	500	0	250	500	0 #
20/724	1000	1000	500	1000	1000	500	1000	1000	500	0	0	500	0 #
21/562	750	1000	500	750	1000	500	750	1000	500	250	0	500	0 #
22/400	500	1000	500	500	1000	500	500	1000	500	500	0	500	0 #
23/404	500	1000	1000	500	1000	1000	500	1000	1000	500	0	0	0 #
24/368	500	500	1000	500	500	1000	500	500	1000	500	500	0	0 #
25/692	1000	500	1000	1000	500	1000	1000	500	1000	0	500	0	0 #
26/688	1000	500	500	1000	500	500	1000	500	500	0	500	500	0 #
27/506	750	250	250	750	250	250	750	250	250	0	645	645	250 #
28/524	750	500	250	750	500	250	750	500	250	0	322	645	250 #
29/542	750	750	250	750	750	250	750	750	250	0	0	645	250 #
30/380	500	750	250	500	750	250	500	750	250	322	0	645	250 #
31/218	250	750	250	250	750	250	250	750	250	645	0	645	250 #
32/222	250	750	750	250	750	750	250	750	750	645	0	0	250 #
33/186	250	250	750	250	250	750	250	250	750	645	645	0	250 #
34/510	750	250	750	750	250	750	750	250	750	0	645	0	250 #
35/506	750	250	250	750	250	250	750	250	250	0	645	645	250 #
36/324	500	0	0	500	0	0	500	0	0	0	867	867	500 #
37/342	500	250	0	500	250	0	500	250	0	0	433	867	500 #
38/360	500	500	0	500	500	0	500	500	0	0	0	867	500 #
39/198	250	500	0	250	500	0	250	500	0	433	0	867	500 #
40/36	0	500	0	0	500	0	0	500	0	867	0	867	500 #
41/40	0	500	500	0	500	500	0	500	500	867	0	0	500 #
42/4	0	0	500	0	0	500	0	0	500	867	867	0	500 #
43/328	500	0	500	500	0	500	500	0	500	0	867	0	500 #
44/324	500	0	0	500	0	0	500	0	0	0	867	867	500 #
45/0	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
46/91	125	125	125	125	125	125	125	125	125	0	0	0	875 #
47/182	250	250	250	250	250	250	250	250	250	0	0	0	750 #
48/273	375	375	375	375	375	375	375	375	375	0	0	0	625 #
49/364	500	500	500	500	500	500	500	500	500	0	0	0	500 #
50/455	625	625	625	625	625	625	625	625	625	0	0	0	375 #
51/546	750	750	750	750	750	750	750	750	750	0	0	0	250 #
52/637	875	875	875	875	875	875	875	875	875	0	0	0	125 #
53/728	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* -> rgb_d
output: transfer to rgb_d

http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 25/38

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n=j	*rgb*_Fd*1000			*rgb**Fd*1000			*rgb'**Fd			*cmyn'**6,sep,Fd*1000			
0	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1	0	0	125	0	0	125	0	0	125	483	483	0	875 #
2	0	0	250	0	0	250	0	0	250	686	686	0	750 #
3	0	0	375	0	0	375	0	0	375	797	797	0	625 #
4	0	0	500	0	0	500	0	0	500	867	867	0	500 #
5	0	0	625	0	0	625	0	0	625	916	916	0	375 #
6	0	0	750	0	0	750	0	0	750	951	951	0	250 #
7	0	0	875	0	0	875	0	0	875	978	978	0	125 #
8	0	0	1000	0	0	1000	0	0	1000	1000	1000	0	0 #
9	0	125	0	0	125	0	0	125	0	483	0	483	875 #
10	0	125	125	0	125	125	0	125	125	483	0	0	875 #
11	0	125	250	0	125	250	0	125	250	686	343	0	750 #
12	0	125	375	0	118	375	0	125	375	797	544	0	625 #
13	0	125	500	0	116	500	0	125	500	867	665	0	500 #
14	0	125	625	0	114	625	0	125	625	916	748	0	375 #
15	0	125	750	0	112	750	0	125	750	951	808	0	250 #
16	0	125	875	0	116	875	0	125	875	978	848	0	125 #
17	0	125	1000	0	116	1000	0	125	1000	1000	883	0	0 #
18	0	250	0	0	250	0	0	250	0	686	0	686	750 #
19	0	250	125	0	250	125	0	250	125	686	0	343	750 #
20	0	250	250	0	250	250	0	250	250	686	0	0	750 #
21	0	250	375	0	256	375	0	250	375	797	252	0	625 #
22	0	250	500	0	250	500	0	250	500	867	433	0	500 #
23	0	250	625	0	239	625	0	250	625	916	564	0	375 #
24	0	250	750	0	237	750	0	250	750	951	650	0	250 #
25	0	250	875	0	233	875	0	250	875	978	717	0	125 #
26	0	250	1000	0	233	1000	0	250	1000	1000	766	0	0 #
27	0	375	0	0	375	0	0	375	0	797	0	797	625 #
28	0	375	125	0	375	118	0	375	125	797	0	544	625 #
29	0	375	250	0	375	256	0	375	250	797	0	252	625 #
30	0	375	375	0	375	375	0	375	375	797	0	0	625 #
31	0	375	500	0	383	500	0	375	500	867	202	0	500 #
32	0	375	625	0	385	625	0	375	625	916	351	0	375 #
33	0	375	750	0	375	750	0	375	750	951	475	0	250 #
34	0	375	875	0	364	875	0	375	875	978	570	0	125 #
35	0	375	1000	0	366	1000	0	375	1000	1000	633	0	0 #
36	0	500	0	0	500	0	0	500	0	867	0	867	500 #
37	0	500	125	0	500	116	0	500	125	867	0	665	500 #
38	0	500	250	0	500	250	0	500	250	867	0	433	500 #
39	0	500	375	0	500	383	0	500	375	867	0	202	500 #
40	0	500	500	0	500	500	0	500	500	867	0	0	500 #
41	0	500	625	0	510	625	0	500	625	916	167	0	375 #
42	0	500	750	0	512	750	0	500	750	951	301	0	250 #
43	0	500	875	0	510	875	0	500	875	978	407	0	125 #
44	0	500	1000	0	500	1000	0	500	1000	1000	500	0	0 #
45	0	625	0	0	625	0	0	625	0	916	0	916	375 #
46	0	625	125	0	625	114	0	625	125	916	0	748	375 #
47	0	625	250	0	625	239	0	625	250	916	0	564	375 #
48	0	625	375	0	625	385	0	625	375	916	0	351	375 #
49	0	625	500	0	625	510	0	625	500	916	0	167	375 #
50	0	625	625	0	625	625	0	625	625	916	0	0	375 #
51	0	625	750	0	637	750	0	625	750	951	142	0	250 #
52	0	625	875	0	641	875	0	625	875	978	260	0	125 #
53	0	625	1000	0	633	1000	0	625	1000	1000	366	0	0 #
54	0	750	0	0	750	0	0	750	0	951	0	951	250 #
55	0	750	125	0	750	112	0	750	125	951	0	808	250 #
56	0	750	250	0	750	237	0	750	250	951	0	650	250 #
57	0	750	375	0	750	375	0	750	375	951	0	475	250 #
58	0	750	500	0	750	512	0	750	500	951	0	301	250 #
59	0	750	625	0	750	637	0	750	625	951	0	142	250 #
60	0	750	750	0	750	750	0	750	750	951	0	0	250 #
61	0	750	875	0	758	875	0	750	875	978	130	0	125 #
62	0	750	1000	0	766	1000	0	750	1000	1000	233	0	0 #
63	0	875	0	0	875	0	0	875	0	978	0	978	125 #
64	0	875	125	0	875	116	0	875	125	978	0	848	125 #
65	0	875	250	0	875	233	0	875	250	978	0	717	125 #
66	0	875	375	0	875	364	0	875	375	978	0	570	125 #
67	0	875	500	0	875	510	0	875	500	978	0	407	125 #
68	0	875	625	0	875	641	0	875	625	978	0	260	125 #
69	0	875	750	0	875	758	0	875	750	978	0	130	125 #
70	0	875	875	0	875	875	0	875	875	978	0	0	125 #
71	0	875	1000	0	883	1000	0	875	1000	1000	116	0	0 #
72	0	1000	0	0	1000	0	0	1000	0	1000	0	1000	0 #
73	0	1000	125	0	1000	116	0	1000	125	1000	0	883	0 #
74	0	1000	250	0	1000	233	0	1000	250	1000	0	766	0 #
75	0	1000	375	0	1000	366	0	1000	375	1000	0	633	0 #
76	0	1000	500	0	1000	500	0	1000	500	1000	0	500	0 #
77	0	1000	625	0	1000	633	0	1000	625	1000	0	366	0 #
78	0	1000	750	0	1000	766	0	1000	750	1000	0	233	0 #
79	0	1000	875	0	1000	883	0	1000	875	1000	0	116	0 #
80	0	1000	1000	0	1000	1000	0	1000	1000	1000	0	0	0 #

1−0032430−F0

ZE140−7N, Page 25/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, $\Delta E^{*'}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

n	*rgb*$_{\_\mathrm{Fd}*1000}$			*rgb**$_{\mathrm{Fd}*1000}$			*rgb'**$_{\mathrm{Fd}}$			*cmyn'**$_{6,\mathrm{sep},\mathrm{Fd}*1000}$			
81	125	0	0	125	0	0	125	0	0	0	483	483	875 #
82	125	0	125	125	0	125	125	0	125	0	483	0	875 #
83	125	0	250	125	0	250	125	0	250	343	686	0	750 #
84	125	0	375	118	0	375	125	0	375	544	797	0	625 #
85	125	0	500	116	0	500	125	0	500	665	867	0	500 #
86	125	0	625	114	0	625	125	0	625	748	916	0	375 #
87	125	0	750	112	0	750	125	0	750	808	951	0	250 #
88	125	0	875	116	0	875	125	0	875	848	978	0	125 #
89	125	0	1000	116	0	1000	125	0	1000	883	1000	0	0 #
90	125	125	0	125	125	0	125	125	0	0	0	483	875 #
91	125	125	125	125	125	125	125	125	125	0	0	0	875 #
92	125	125	250	124	124	250	125	125	250	421	421	0	750 #
93	125	125	375	124	124	375	125	125	375	576	576	0	625 #
94	125	125	500	124	124	500	125	125	500	675	675	0	500 #
95	125	125	625	125	125	625	125	125	625	746	746	0	375 #
96	125	125	750	125	125	750	125	125	750	799	799	0	250 #
97	125	125	875	125	125	875	125	125	875	841	841	0	125 #
98	125	125	1000	125	125	1000	125	125	1000	875	875	0	0 #
99	125	250	0	125	250	0	125	250	0	343	0	686	750 #
100	125	250	125	124	250	124	125	250	125	421	0	421	750 #
101	125	250	250	124	250	250	125	250	250	421	0	0	750 #
102	125	250	375	124	250	375	125	250	375	576	288	0	625 #
103	125	250	500	124	243	500	125	250	500	675	461	0	500 #
104	125	250	625	125	241	625	125	250	625	746	572	0	375 #
105	125	250	750	125	239	750	125	250	750	799	653	0	250 #
106	125	250	875	125	237	875	125	250	875	841	715	0	125 #
107	125	250	1000	125	241	1000	125	250	1000	875	758	0	0 #
108	125	375	0	118	375	0	125	375	0	544	0	797	625 #
109	125	375	125	124	375	124	125	375	125	576	0	576	625 #
110	125	375	250	124	375	250	125	375	250	576	0	288	625 #
111	125	375	375	124	375	375	125	375	375	576	0	0	625 #
112	125	375	500	124	381	500	125	375	500	675	213	0	500 #
113	125	375	625	125	375	625	125	375	625	746	373	0	375 #
114	125	375	750	125	364	750	125	375	750	799	493	0	250 #
115	125	375	875	125	362	875	125	375	875	841	575	0	125 #
116	125	375	1000	125	358	1000	125	375	1000	875	641	0	0 #
117	125	500	0	116	500	0	125	500	0	665	0	867	500 #
118	125	500	125	124	500	124	125	500	125	675	0	675	500 #
119	125	500	250	124	500	243	125	500	250	675	0	461	500 #
120	125	500	375	124	500	381	125	500	375	675	0	213	500 #
121	125	500	500	124	500	500	125	500	500	675	0	0	500 #
122	125	500	625	125	508	625	125	500	625	746	174	0	375 #
123	125	500	750	125	510	750	125	500	750	799	306	0	250 #
124	125	500	875	125	500	875	125	500	875	841	420	0	125 #
125	125	500	1000	125	489	1000	125	500	1000	875	510	0	0 #
126	125	625	0	114	625	0	125	625	0	748	0	916	375 #
127	125	625	125	125	625	125	125	625	125	746	0	746	375 #
128	125	625	250	125	625	241	125	625	250	746	0	572	375 #
129	125	625	375	125	625	375	125	625	375	746	0	373	375 #
130	125	625	500	125	625	508	125	625	500	746	0	174	375 #
131	125	625	625	125	625	625	125	625	625	746	0	0	375 #
132	125	625	750	125	635	750	125	625	750	799	146	0	250 #
133	125	625	875	125	637	875	125	625	875	841	266	0	125 #
134	125	625	1000	125	635	1000	125	625	1000	875	364	0	0 #
135	125	750	0	112	750	0	125	750	0	808	0	951	250 #
136	125	750	125	125	750	125	125	750	125	799	0	799	250 #
137	125	750	250	125	750	239	125	750	250	799	0	653	250 #
138	125	750	375	125	750	364	125	750	375	799	0	493	250 #
139	125	750	500	125	750	510	125	750	500	799	0	306	250 #
140	125	750	625	125	750	635	125	750	625	799	0	146	250 #
141	125	750	750	125	750	750	125	750	750	799	0	0	250 #
142	125	750	875	125	762	875	125	750	875	841	126	0	125 #
143	125	750	1000	125	766	1000	125	750	1000	875	233	0	0 #
144	125	875	0	116	875	0	125	875	0	848	0	978	125 #
145	125	875	125	125	875	125	125	875	125	841	0	841	125 #
146	125	875	250	125	875	237	125	875	250	841	0	715	125 #
147	125	875	375	125	875	362	125	875	375	841	0	575	125 #
148	125	875	500	125	875	500	125	875	500	841	0	420	125 #
149	125	875	625	125	875	637	125	875	625	841	0	266	125 #
150	125	875	750	125	875	762	125	875	750	841	0	126	125 #
151	125	875	875	125	875	875	125	875	875	841	0	0	125 #
152	125	875	1000	125	883	1000	125	875	1000	875	116	0	0 #
153	125	1000	0	116	1000	0	125	1000	0	883	0	1000	0 #
154	125	1000	125	125	1000	125	125	1000	125	875	0	875	0 #
155	125	1000	250	125	1000	241	125	1000	250	875	0	758	0 #
156	125	1000	375	125	1000	358	125	1000	375	875	0	641	0 #
157	125	1000	500	125	1000	489	125	1000	500	875	0	510	0 #
158	125	1000	625	125	1000	635	125	1000	625	875	0	364	0 #
159	125	1000	750	125	1000	766	125	1000	750	875	0	233	0 #
160	125	1000	875	125	1000	883	125	1000	875	875	0	116	0 #
161	125	1000	1000	125	1000	1000	125	1000	1000	875	0	0	0 #

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 27/38

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

n	***rgb***$_{\_Fd*1000}$			***rgb****$_{Fd*1000}$			***rgb'****$_{Fd}$			***cmyn'****$_{6,sep,Fd*1000}$			
162	250	0	0	250	0	0	250	0	0	0	686	686	750 #
163	250	0	125	250	0	125	250	0	125	0	686	343	750 #
164	250	0	250	250	0	250	250	0	250	0	686	0	750 #
165	250	0	375	256	0	375	250	0	375	252	797	0	625 #
166	250	0	500	250	0	500	250	0	500	433	867	0	500 #
167	250	0	625	239	0	625	250	0	625	564	916	0	375 #
168	250	0	750	237	0	750	250	0	750	650	951	0	250 #
169	250	0	875	233	0	875	250	0	875	717	978	0	125 #
170	250	0	1000	233	0	1000	250	0	1000	766	1000	0	0 #
171	250	125	0	250	125	0	250	125	0	0	343	686	750 #
172	250	125	125	250	124	124	250	125	125	0	421	421	750 #
173	250	125	250	250	124	250	250	125	250	0	421	0	750 #
174	250	125	375	250	124	375	250	125	375	288	576	0	625 #
175	250	125	500	243	124	500	250	125	500	461	675	0	500 #
176	250	125	625	241	125	625	250	125	625	572	746	0	375 #
177	250	125	750	239	125	750	250	125	750	653	799	0	250 #
178	250	125	875	237	125	875	250	125	875	715	841	0	125 #
179	250	125	1000	241	125	1000	250	125	1000	758	875	0	0 #
180	250	250	0	250	250	0	250	250	0	0	0	686	750 #
181	250	250	125	250	250	124	250	250	125	0	0	421	750 #
182	250	250	250	250	250	250	250	250	250	0	0	0	750 #
183	250	250	375	249	249	375	250	250	375	310	310	0	625 #
184	250	250	500	249	249	500	250	250	500	466	466	0	500 #
185	250	250	625	250	250	625	250	250	625	569	569	0	375 #
186	250	250	750	250	250	750	250	250	750	645	645	0	250 #
187	250	250	875	250	250	875	250	250	875	703	703	0	125 #
188	250	250	1000	250	250	1000	250	250	1000	750	750	0	0 #
189	250	375	0	256	375	0	250	375	0	252	0	797	625 #
190	250	375	125	250	375	124	250	375	125	288	0	576	625 #
191	250	375	250	249	375	249	250	375	250	310	0	310	625 #
192	250	375	375	249	375	375	250	375	375	310	0	0	625 #
193	250	375	500	249	375	500	250	375	500	466	233	0	500 #
194	250	375	625	250	368	625	250	375	625	569	389	0	375 #
195	250	375	750	250	366	750	250	375	750	645	494	0	250 #
196	250	375	875	250	364	875	250	375	875	703	574	0	125 #
197	250	375	1000	250	362	1000	250	375	1000	750	637	0	0 #
198	250	500	0	250	500	0	250	500	0	433	0	867	500 #
199	250	500	125	243	500	124	250	500	125	461	0	675	500 #
200	250	500	250	249	500	249	250	500	250	466	0	466	500 #
201	250	500	375	249	500	375	250	500	375	466	0	233	500 #
202	250	500	500	249	500	500	250	500	500	466	0	0	500 #
203	250	500	625	250	506	625	250	500	625	569	180	0	375 #
204	250	500	750	250	500	750	250	500	750	645	322	0	250 #
205	250	500	875	250	489	875	250	500	875	703	433	0	125 #
206	250	500	1000	250	487	1000	250	500	1000	750	512	0	0 #
207	250	625	0	239	625	0	250	625	0	564	0	916	375 #
208	250	625	125	241	625	125	250	625	125	572	0	746	375 #
209	250	625	250	250	625	250	250	625	250	569	0	569	375 #
210	250	625	375	250	625	368	250	625	375	569	0	389	375 #
211	250	625	500	250	625	506	250	625	500	569	0	180	375 #
212	250	625	625	250	625	625	250	625	625	569	0	0	375 #
213	250	625	750	250	633	750	250	625	750	645	150	0	250 #
214	250	625	875	250	635	875	250	625	875	703	269	0	125 #
215	250	625	1000	250	625	1000	250	625	1000	750	375	0	0 #
216	250	750	0	237	750	0	250	750	0	650	0	951	250 #
217	250	750	125	239	750	125	250	750	125	653	0	799	250 #
218	250	750	250	250	750	250	250	750	250	645	0	645	250 #
219	250	750	375	250	750	366	250	750	375	645	0	494	250 #
220	250	750	500	250	750	500	250	750	500	645	0	322	250 #
221	250	750	625	250	750	633	250	750	625	645	0	150	250 #
222	250	750	750	250	750	750	250	750	750	645	0	0	250 #
223	250	750	875	250	760	875	250	750	875	703	128	0	125 #
224	250	750	1000	250	762	1000	250	750	1000	750	237	0	0 #
225	250	875	0	233	875	0	250	875	0	717	0	978	125 #
226	250	875	125	237	875	125	250	875	125	715	0	841	125 #
227	250	875	250	250	875	250	250	875	250	703	0	703	125 #
228	250	875	375	250	875	364	250	875	375	703	0	574	125 #
229	250	875	500	250	875	489	250	875	500	703	0	433	125 #
230	250	875	625	250	875	635	250	875	625	703	0	269	125 #
231	250	875	750	250	875	760	250	875	750	703	0	128	125 #
232	250	875	875	250	875	875	250	875	875	703	0	0	125 #
233	250	875	1000	250	887	1000	250	875	1000	750	112	0	0 #
234	250	1000	0	233	1000	0	250	1000	0	766	0	1000	0 #
235	250	1000	125	241	1000	125	250	1000	125	758	0	875	0 #
236	250	1000	250	250	1000	250	250	1000	250	750	0	750	0 #
237	250	1000	375	250	1000	362	250	1000	375	750	0	637	0 #
238	250	1000	500	250	1000	487	250	1000	500	750	0	512	0 #
239	250	1000	625	250	1000	625	250	1000	625	750	0	375	0 #
240	250	1000	750	250	1000	762	250	1000	750	750	0	237	0 #
241	250	1000	875	250	1000	887	250	1000	875	750	0	112	0 #
242	250	1000	1000	250	1000	1000	250	1000	1000	750	0	0	0 #

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)
TUB material: code=rha4ta

n	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
243	375	0	0	375	0	0	375	0	0	0	797	797	625 #
244	375	0	125	375	0	118	375	0	125	0	797	544	625 #
245	375	0	250	375	0	256	375	0	250	0	797	252	625 #
246	375	0	375	375	0	375	375	0	375	0	797	0	625 #
247	375	0	500	383	0	500	375	0	500	202	867	0	500 #
248	375	0	625	385	0	625	375	0	625	351	916	0	375 #
249	375	0	750	375	0	750	375	0	750	475	951	0	250 #
250	375	0	875	364	0	875	375	0	875	570	978	0	125 #
251	375	0	1000	366	0	1000	375	0	1000	633	1000	0	0 #
252	375	125	0	375	118	0	375	125	0	0	544	797	625 #
253	375	125	125	375	124	124	375	125	125	0	576	576	625 #
254	375	125	250	375	124	250	375	125	250	0	576	288	625 #
255	375	125	375	375	124	375	375	125	375	0	576	0	625 #
256	375	125	500	381	124	500	375	125	500	213	675	0	500 #
257	375	125	625	375	125	625	375	125	625	373	746	0	375 #
258	375	125	750	364	125	750	375	125	750	493	799	0	250 #
259	375	125	875	362	125	875	375	125	875	575	841	0	125 #
260	375	125	1000	358	125	1000	375	125	1000	641	875	0	0 #
261	375	250	0	375	256	0	375	250	0	0	252	797	625 #
262	375	250	125	375	250	124	375	250	125	0	288	576	625 #
263	375	250	250	375	249	249	375	250	250	0	310	310	625 #
264	375	250	375	375	249	375	375	250	375	0	310	0	625 #
265	375	250	500	375	249	500	375	250	500	233	466	0	500 #
266	375	250	625	368	250	625	375	250	625	389	569	0	375 #
267	375	250	750	366	250	750	375	250	750	494	645	0	250 #
268	375	250	875	364	250	875	375	250	875	574	703	0	125 #
269	375	250	1000	362	250	1000	375	250	1000	637	750	0	0 #
270	375	375	0	375	375	0	375	375	0	0	0	797	625 #
271	375	375	125	375	375	124	375	375	125	0	0	576	625 #
272	375	375	250	375	375	249	375	375	250	0	0	310	625 #
273	375	375	375	375	375	375	375	375	375	0	0	0	625 #
274	375	375	500	375	375	500	375	375	500	241	241	0	500 #
275	375	375	625	375	375	625	375	375	625	386	386	0	375 #
276	375	375	750	375	375	750	375	375	750	487	487	0	250 #
277	375	375	875	375	375	875	375	375	875	564	564	0	125 #
278	375	375	1000	375	375	1000	375	375	1000	625	625	0	0 #
279	375	500	0	383	500	0	375	500	0	202	0	867	500 #
280	375	500	125	381	500	124	375	500	125	213	0	675	500 #
281	375	500	250	375	500	249	375	500	250	233	0	466	500 #
282	375	500	375	375	500	375	375	500	375	241	0	241	500 #
283	375	500	500	375	500	500	375	500	500	241	0	0	500 #
284	375	500	625	375	500	625	375	500	625	386	193	0	375 #
285	375	500	750	375	493	750	375	500	750	487	333	0	250 #
286	375	500	875	375	491	875	375	500	875	564	432	0	125 #
287	375	500	1000	375	489	1000	375	500	1000	625	510	0	0 #
288	375	625	0	385	625	0	375	625	0	351	0	916	375 #
289	375	625	125	375	625	125	375	625	125	373	0	746	375 #
290	375	625	250	368	625	250	375	625	250	389	0	569	375 #
291	375	625	375	375	625	375	375	625	375	386	0	386	375 #
292	375	625	500	375	625	500	375	625	500	386	0	193	375 #
293	375	625	625	375	625	625	375	625	625	386	0	0	375 #
294	375	625	750	375	631	750	375	625	750	487	154	0	250 #
295	375	625	875	375	625	875	375	625	875	564	282	0	125 #
296	375	625	1000	375	614	1000	375	625	1000	625	385	0	0 #
297	375	750	0	375	750	0	375	750	0	475	0	951	250 #
298	375	750	125	364	750	125	375	750	125	493	0	799	250 #
299	375	750	250	366	750	250	375	750	250	494	0	645	250 #
300	375	750	375	375	750	375	375	750	375	487	0	487	250 #
301	375	750	500	375	750	493	375	750	500	487	0	333	250 #
302	375	750	625	375	750	631	375	750	625	487	0	154	250 #
303	375	750	750	375	750	750	375	750	750	487	0	0	250 #
304	375	750	875	375	758	875	375	750	875	564	131	0	125 #
305	375	750	1000	375	760	1000	375	750	1000	625	239	0	0 #
306	375	875	0	364	875	0	375	875	0	570	0	978	125 #
307	375	875	125	362	875	125	375	875	125	575	0	841	125 #
308	375	875	250	364	875	250	375	875	250	574	0	703	125 #
309	375	875	375	375	875	375	375	875	375	564	0	564	125 #
310	375	875	500	375	875	491	375	875	500	564	0	432	125 #
311	375	875	625	375	875	625	375	875	625	564	0	282	125 #
312	375	875	750	375	875	758	375	875	750	564	0	131	125 #
313	375	875	875	375	875	875	375	875	875	564	0	0	125 #
314	375	875	1000	375	885	1000	375	875	1000	625	114	0	0 #
315	375	1000	0	366	1000	0	375	1000	0	633	0	1000	0 #
316	375	1000	125	358	1000	125	375	1000	125	641	0	875	0 #
317	375	1000	250	362	1000	250	375	1000	250	637	0	750	0 #
318	375	1000	375	375	1000	375	375	1000	375	625	0	625	0 #
319	375	1000	500	375	1000	489	375	1000	500	625	0	510	0 #
320	375	1000	625	375	1000	614	375	1000	625	625	0	385	0 #
321	375	1000	750	375	1000	760	375	1000	750	625	0	239	0 #
322	375	1000	875	375	1000	885	375	1000	875	625	0	114	0 #
323	375	1000	1000	375	1000	1000	375	1000	1000	625	0	0	0 #

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

n	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
324	500	0	0	500	0	0	500	0	0	0	867	867	500 #
325	500	0	125	500	0	116	500	0	125	0	867	665	500 #
326	500	0	250	500	0	250	500	0	250	0	867	433	500 #
327	500	0	375	500	0	383	500	0	375	0	867	202	500 #
328	500	0	500	500	0	500	500	0	500	0	867	0	500 #
329	500	0	625	510	0	625	500	0	625	167	916	0	375 #
330	500	0	750	512	0	750	500	0	750	301	951	0	250 #
331	500	0	875	510	0	875	500	0	875	407	978	0	125 #
332	500	0	1000	500	0	1000	500	0	1000	500	1000	0	0 #
333	500	125	0	500	116	0	500	125	0	0	665	867	500 #
334	500	125	125	500	124	124	500	125	125	0	675	675	500 #
335	500	125	250	500	124	243	500	125	250	0	675	461	500 #
336	500	125	375	500	124	381	500	125	375	0	675	213	500 #
337	500	125	500	500	124	500	500	125	500	0	675	0	500 #
338	500	125	625	508	125	625	500	125	625	174	746	0	375 #
339	500	125	750	510	125	750	500	125	750	306	799	0	250 #
340	500	125	875	500	125	875	500	125	875	420	841	0	125 #
341	500	125	1000	489	125	1000	500	125	1000	510	875	0	0 #
342	500	250	0	500	250	0	500	250	0	0	433	867	500 #
343	500	250	125	500	243	124	500	250	125	0	461	675	500 #
344	500	250	250	500	249	249	500	250	250	0	466	466	500 #
345	500	250	375	500	249	375	500	250	375	0	466	233	500 #
346	500	250	500	500	249	500	500	250	500	0	466	0	500 #
347	500	250	625	506	250	625	500	250	625	180	569	0	375 #
348	500	250	750	500	250	750	500	250	750	322	645	0	250 #
349	500	250	875	489	250	875	500	250	875	433	703	0	125 #
350	500	250	1000	487	250	1000	500	250	1000	512	750	0	0 #
351	500	375	0	500	383	0	500	375	0	0	202	867	500 #
352	500	375	125	500	381	124	500	375	125	0	213	675	500 #
353	500	375	250	500	375	249	500	375	250	0	233	466	500 #
354	500	375	375	500	375	375	500	375	375	0	241	241	500 #
355	500	375	500	500	375	500	500	375	500	0	241	0	500 #
356	500	375	625	500	375	625	500	375	625	193	386	0	375 #
357	500	375	750	493	375	750	500	375	750	333	487	0	250 #
358	500	375	875	491	375	875	500	375	875	432	564	0	125 #
359	500	375	1000	489	375	1000	500	375	1000	510	625	0	0 #
360	500	500	0	500	500	0	500	500	0	0	0	867	500 #
361	500	500	125	500	500	124	500	500	125	0	0	675	500 #
362	500	500	250	500	500	249	500	500	250	0	0	466	500 #
363	500	500	375	500	500	375	500	500	375	0	0	241	500 #
364	500	500	500	500	500	500	500	500	500	0	0	0	500 #
365	500	500	625	500	500	625	500	500	625	196	196	0	375 #
366	500	500	750	500	500	750	500	500	750	327	327	0	250 #
367	500	500	875	500	500	875	500	500	875	424	424	0	125 #
368	500	500	1000	500	500	1000	500	500	1000	500	500	0	0 #
369	500	625	0	510	625	0	500	625	0	167	0	916	375 #
370	500	625	125	508	625	125	500	625	125	174	0	746	375 #
371	500	625	250	506	625	250	500	625	250	180	0	569	375 #
372	500	625	375	500	625	375	500	625	375	193	0	386	375 #
373	500	625	500	500	625	500	500	625	500	196	0	196	375 #
374	500	625	625	500	625	625	500	625	625	196	0	0	375 #
375	500	625	750	500	625	750	500	625	750	327	163	0	250 #
376	500	625	875	500	618	875	500	625	875	424	290	0	125 #
377	500	625	1000	500	616	1000	500	625	1000	500	383	0	0 #
378	500	750	0	512	750	0	500	750	0	301	0	951	250 #
379	500	750	125	510	750	125	500	750	125	306	0	799	250 #
380	500	750	250	500	750	250	500	750	250	322	0	645	250 #
381	500	750	375	493	750	375	500	750	375	333	0	487	250 #
382	500	750	500	500	750	500	500	750	500	327	0	327	250 #
383	500	750	625	500	750	625	500	750	625	327	0	163	250 #
384	500	750	750	500	750	750	500	750	750	327	0	0	250 #
385	500	750	875	500	756	875	500	750	875	424	134	0	125 #
386	500	750	1000	500	750	1000	500	750	1000	500	250	0	0 #
387	500	875	0	510	875	0	500	875	0	407	0	978	125 #
388	500	875	125	500	875	125	500	875	125	420	0	841	125 #
389	500	875	250	489	875	250	500	875	250	433	0	703	125 #
390	500	875	375	491	875	375	500	875	375	432	0	564	125 #
391	500	875	500	500	875	500	500	875	500	424	0	424	125 #
392	500	875	625	500	875	618	500	875	625	424	0	290	125 #
393	500	875	750	500	875	756	500	875	750	424	0	134	125 #
394	500	875	875	500	875	875	500	875	875	424	0	0	125 #
395	500	875	1000	500	883	1000	500	875	1000	500	116	0	0 #
396	500	1000	0	500	1000	0	500	1000	0	500	0	1000	0 #
397	500	1000	125	489	1000	125	500	1000	125	510	0	875	0 #
398	500	1000	250	487	1000	250	500	1000	250	512	0	750	0 #
399	500	1000	375	489	1000	375	500	1000	375	510	0	625	0 #
400	500	1000	500	500	1000	500	500	1000	500	500	0	500	0 #
401	500	1000	625	500	1000	616	500	1000	625	500	0	383	0 #
402	500	1000	750	500	1000	750	500	1000	750	500	0	250	0 #
403	500	1000	875	500	1000	883	500	1000	875	500	0	116	0 #
404	500	1000	1000	500	1000	1000	500	1000	1000	500	0	0	0 #

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, $\Delta E^{*\prime}$, 3D=0, de=0, *RGB*

input: *rgb/cmyk* -> *rgb*$_d$
output: transfer to *rgb*$_d$

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 30/38

n	$rgb_{\_Fd*1000}$			$rgb*_{Fd*1000}$			$rgb'*_{Fd}$			$cmyn'*_{6,sep,Fd*1000}$			
405	625	0	0	625	0	0	625	0	0	0	916	916	375 #
406	625	0	125	625	0	114	625	0	125	0	916	748	375 #
407	625	0	250	625	0	239	625	0	250	0	916	564	375 #
408	625	0	375	625	0	385	625	0	375	0	916	351	375 #
409	625	0	500	625	0	510	625	0	500	0	916	167	375 #
410	625	0	625	625	0	625	625	0	625	0	916	0	375 #
411	625	0	750	637	0	750	625	0	750	142	951	0	250 #
412	625	0	875	641	0	875	625	0	875	260	978	0	125 #
413	625	0	1000	633	0	1000	625	0	1000	366	1000	0	0 #
414	625	125	0	625	114	0	625	125	0	0	748	916	375 #
415	625	125	125	625	125	125	625	125	125	0	746	746	375 #
416	625	125	250	625	125	241	625	125	250	0	746	572	375 #
417	625	125	375	625	125	375	625	125	375	0	746	373	375 #
418	625	125	500	625	125	508	625	125	500	0	746	174	375 #
419	625	125	625	625	125	625	625	125	625	0	746	0	375 #
420	625	125	750	635	125	750	625	125	750	146	799	0	250 #
421	625	125	875	637	125	875	625	125	875	266	841	0	125 #
422	625	125	1000	635	125	1000	625	125	1000	364	875	0	0 #
423	625	250	0	625	239	0	625	250	0	0	564	916	375 #
424	625	250	125	625	241	125	625	250	125	0	572	746	375 #
425	625	250	250	625	250	250	625	250	250	0	569	569	375 #
426	625	250	375	625	250	368	625	250	375	0	569	389	375 #
427	625	250	500	625	250	506	625	250	500	0	569	180	375 #
428	625	250	625	625	250	625	625	250	625	0	569	0	375 #
429	625	250	750	633	250	750	625	250	750	150	645	0	250 #
430	625	250	875	635	250	875	625	250	875	269	703	0	125 #
431	625	250	1000	625	250	1000	625	250	1000	375	750	0	0 #
432	625	375	0	625	385	0	625	375	0	0	351	916	375 #
433	625	375	125	625	375	125	625	375	125	0	373	746	375 #
434	625	375	250	625	368	250	625	375	250	0	389	569	375 #
435	625	375	375	625	375	375	625	375	375	0	386	386	375 #
436	625	375	500	625	375	500	625	375	500	0	386	193	375 #
437	625	375	625	625	375	625	625	375	625	0	386	0	375 #
438	625	375	750	631	375	750	625	375	750	154	487	0	250 #
439	625	375	875	625	375	875	625	375	875	282	564	0	125 #
440	625	375	1000	614	375	1000	625	375	1000	385	625	0	0 #
441	625	500	0	625	510	0	625	500	0	0	167	916	375 #
442	625	500	125	625	508	125	625	500	125	0	174	746	375 #
443	625	500	250	625	506	250	625	500	250	0	180	569	375 #
444	625	500	375	625	500	375	625	500	375	0	193	386	375 #
445	625	500	500	625	500	500	625	500	500	0	196	196	375 #
446	625	500	625	625	500	625	625	500	625	0	196	0	375 #
447	625	500	750	625	500	750	625	500	750	163	327	0	250 #
448	625	500	875	618	500	875	625	500	875	290	424	0	125 #
449	625	500	1000	616	500	1000	625	500	1000	383	500	0	0 #
450	625	625	0	625	625	0	625	625	0	0	0	916	375 #
451	625	625	125	625	625	125	625	625	125	0	0	746	375 #
452	625	625	250	625	625	250	625	625	250	0	0	569	375 #
453	625	625	375	625	625	375	625	625	375	0	0	386	375 #
454	625	625	500	625	625	500	625	625	500	0	0	196	375 #
455	625	625	625	625	625	625	625	625	625	0	0	0	375 #
456	625	625	750	625	625	750	625	625	750	165	165	0	250 #
457	625	625	875	625	625	875	625	625	875	283	283	0	125 #
458	625	625	1000	625	625	1000	625	625	1000	375	375	0	0 #
459	625	750	0	637	750	0	625	750	0	142	0	951	250 #
460	625	750	125	635	750	125	625	750	125	146	0	799	250 #
461	625	750	250	633	750	250	625	750	250	150	0	645	250 #
462	625	750	375	631	750	375	625	750	375	154	0	487	250 #
463	625	750	500	625	750	500	625	750	500	163	0	327	250 #
464	625	750	625	625	750	625	625	750	625	165	0	165	250 #
465	625	750	750	625	750	750	625	750	750	165	0	0	250 #
466	625	750	875	625	750	875	625	750	875	283	141	0	125 #
467	625	750	1000	625	743	1000	625	750	1000	375	256	0	0 #
468	625	875	0	641	875	0	625	875	0	260	0	978	125 #
469	625	875	125	637	875	125	625	875	125	266	0	841	125 #
470	625	875	250	635	875	250	625	875	250	269	0	703	125 #
471	625	875	375	625	875	375	625	875	375	282	0	564	125 #
472	625	875	500	618	875	500	625	875	500	290	0	424	125 #
473	625	875	625	625	875	625	625	875	625	283	0	283	125 #
474	625	875	750	625	875	750	625	875	750	283	0	141	125 #
475	625	875	875	625	875	875	625	875	875	283	0	0	125 #
476	625	875	1000	625	881	1000	625	875	1000	375	118	0	0 #
477	625	1000	0	633	1000	0	625	1000	0	366	0	1000	0 #
478	625	1000	125	635	1000	125	625	1000	125	364	0	875	0 #
479	625	1000	250	625	1000	250	625	1000	250	375	0	750	0 #
480	625	1000	375	614	1000	375	625	1000	375	385	0	625	0 #
481	625	1000	500	616	1000	500	625	1000	500	383	0	500	0 #
482	625	1000	625	625	1000	625	625	1000	625	375	0	375	0 #
483	625	1000	750	625	1000	743	625	1000	750	375	0	256	0 #
484	625	1000	875	625	1000	881	625	1000	875	375	0	118	0 #
485	625	1000	1000	625	1000	1000	625	1000	1000	375	0	0	0 #

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* -> rgb_d
output: transfer to rgb_d

`http://farbe.li.tu-berlin.de/ZE14/ZE14L0NP.PDF /.PS`; transfer output
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 31/38

n	$rgb_{\_\mathrm{Fd}*1000}$			$rgb^*_{\mathrm{Fd}*1000}$			rgb'^*_{Fd}			$cmyn'^*_{6,\mathrm{sep},\mathrm{Fd}*1000}$			
486	750	0	0	750	0	0	750	0	0	0	951	951	250 #
487	750	0	125	750	0	112	750	0	125	0	951	808	250 #
488	750	0	250	750	0	237	750	0	250	0	951	650	250 #
489	750	0	375	750	0	375	750	0	375	0	951	475	250 #
490	750	0	500	750	0	512	750	0	500	0	951	301	250 #
491	750	0	625	750	0	637	750	0	625	0	951	142	250 #
492	750	0	750	750	0	750	750	0	750	0	951	0	250 #
493	750	0	875	758	0	875	750	0	875	130	978	0	125 #
494	750	0	1000	766	0	1000	750	0	1000	233	1000	0	0 #
495	750	125	0	750	112	0	750	125	0	0	808	951	250 #
496	750	125	125	750	125	125	750	125	125	0	799	799	250 #
497	750	125	250	750	125	239	750	125	250	0	799	653	250 #
498	750	125	375	750	125	364	750	125	375	0	799	493	250 #
499	750	125	500	750	125	510	750	125	500	0	799	306	250 #
500	750	125	625	750	125	635	750	125	625	0	799	146	250 #
501	750	125	750	750	125	750	750	125	750	0	799	0	250 #
502	750	125	875	762	125	875	750	125	875	126	841	0	125 #
503	750	125	1000	766	125	1000	750	125	1000	233	875	0	0 #
504	750	250	0	750	237	0	750	250	0	0	650	951	250 #
505	750	250	125	750	239	125	750	250	125	0	653	799	250 #
506	750	250	250	750	250	250	750	250	250	0	645	645	250 #
507	750	250	375	750	250	366	750	250	375	0	645	494	250 #
508	750	250	500	750	250	500	750	250	500	0	645	322	250 #
509	750	250	625	750	250	633	750	250	625	0	645	150	250 #
510	750	250	750	750	250	750	750	250	750	0	645	0	250 #
511	750	250	875	760	250	875	750	250	875	128	703	0	125 #
512	750	250	1000	762	250	1000	750	250	1000	237	750	0	0 #
513	750	375	0	750	375	0	750	375	0	0	475	951	250 #
514	750	375	125	750	364	125	750	375	125	0	493	799	250 #
515	750	375	250	750	366	250	750	375	250	0	494	645	250 #
516	750	375	375	750	375	375	750	375	375	0	487	487	250 #
517	750	375	500	750	375	493	750	375	500	0	487	333	250 #
518	750	375	625	750	375	631	750	375	625	0	487	154	250 #
519	750	375	750	750	375	750	750	375	750	0	487	0	250 #
520	750	375	875	758	375	875	750	375	875	131	564	0	125 #
521	750	375	1000	760	375	1000	750	375	1000	239	625	0	0 #
522	750	500	0	750	512	0	750	500	0	0	301	951	250 #
523	750	500	125	750	510	125	750	500	125	0	306	799	250 #
524	750	500	250	750	500	250	750	500	250	0	322	645	250 #
525	750	500	375	750	493	375	750	500	375	0	333	487	250 #
526	750	500	500	750	500	500	750	500	500	0	327	327	250 #
527	750	500	625	750	500	625	750	500	625	0	327	163	250 #
528	750	500	750	750	500	750	750	500	750	0	327	0	250 #
529	750	500	875	756	500	875	750	500	875	134	424	0	125 #
530	750	500	1000	750	500	1000	750	500	1000	250	500	0	0 #
531	750	625	0	750	637	0	750	625	0	0	142	951	250 #
532	750	625	125	750	635	125	750	625	125	0	146	799	250 #
533	750	625	250	750	633	250	750	625	250	0	150	645	250 #
534	750	625	375	750	631	375	750	625	375	0	154	487	250 #
535	750	625	500	750	625	500	750	625	500	0	163	327	250 #
536	750	625	625	750	625	625	750	625	625	0	165	165	250 #
537	750	625	750	750	625	750	750	625	750	0	165	0	250 #
538	750	625	875	750	625	875	750	625	875	141	283	0	125 #
539	750	625	1000	743	625	1000	750	625	1000	256	375	0	0 #
540	750	750	0	750	750	0	750	750	0	0	0	951	250 #
541	750	750	125	750	750	125	750	750	125	0	0	799	250 #
542	750	750	250	750	750	250	750	750	250	0	0	645	250 #
543	750	750	375	750	750	375	750	750	375	0	0	487	250 #
544	750	750	500	750	750	500	750	750	500	0	0	327	250 #
545	750	750	625	750	750	625	750	750	625	0	0	165	250 #
546	750	750	750	750	750	750	750	750	750	0	0	0	250 #
547	750	750	875	750	750	875	750	750	875	142	142	0	125 #
548	750	750	1000	750	750	1000	750	750	1000	250	250	0	0 #
549	750	875	0	758	875	0	750	875	0	130	0	978	125 #
550	750	875	125	762	875	125	750	875	125	126	0	841	125 #
551	750	875	250	760	875	250	750	875	250	128	0	703	125 #
552	750	875	375	758	875	375	750	875	375	131	0	564	125 #
553	750	875	500	756	875	500	750	875	500	134	0	424	125 #
554	750	875	625	750	875	625	750	875	625	141	0	283	125 #
555	750	875	750	750	875	750	750	875	750	142	0	142	125 #
556	750	875	875	750	875	875	750	875	875	142	0	0	125 #
557	750	875	1000	750	875	1000	750	875	1000	250	125	0	0 #
558	750	1000	0	766	1000	0	750	1000	0	233	0	1000	0 #
559	750	1000	125	766	1000	125	750	1000	125	233	0	875	0 #
560	750	1000	250	762	1000	250	750	1000	250	237	0	750	0 #
561	750	1000	375	760	1000	375	750	1000	375	239	0	625	0 #
562	750	1000	500	750	1000	500	750	1000	500	250	0	500	0 #
563	750	1000	625	743	1000	625	750	1000	625	256	0	375	0 #
564	750	1000	750	750	1000	750	750	1000	750	250	0	250	0 #
565	750	1000	875	750	1000	875	750	1000	875	250	0	125	0 #
566	750	1000	1000	750	1000	1000	750	1000	1000	250	0	0	0 #

1−0033030−F0

ZE140−7N, Page 31/38−F

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

n	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
567	875	0	0	875	0	0	875	0	0	0	978	978	125 #
568	875	0	125	875	0	116	875	0	125	0	978	848	125 #
569	875	0	250	875	0	233	875	0	250	0	978	717	125 #
570	875	0	375	875	0	364	875	0	375	0	978	570	125 #
571	875	0	500	875	0	510	875	0	500	0	978	407	125 #
572	875	0	625	875	0	641	875	0	625	0	978	260	125 #
573	875	0	750	875	0	758	875	0	750	0	978	130	125 #
574	875	0	875	875	0	875	875	0	875	0	978	0	125 #
575	875	0	1000	883	0	1000	875	0	1000	116	1000	0	0 #
576	875	125	0	875	116	0	875	125	0	0	848	978	125 #
577	875	125	125	875	125	125	875	125	125	0	841	841	125 #
578	875	125	250	875	125	237	875	125	250	0	841	715	125 #
579	875	125	375	875	125	362	875	125	375	0	841	575	125 #
580	875	125	500	875	125	500	875	125	500	0	841	420	125 #
581	875	125	625	875	125	637	875	125	625	0	841	266	125 #
582	875	125	750	875	125	762	875	125	750	0	841	126	125 #
583	875	125	875	875	125	875	875	125	875	0	841	0	125 #
584	875	125	1000	883	125	1000	875	125	1000	116	875	0	0 #
585	875	250	0	875	233	0	875	250	0	0	717	978	125 #
586	875	250	125	875	237	125	875	250	125	0	715	841	125 #
587	875	250	250	875	250	250	875	250	250	0	703	703	125 #
588	875	250	375	875	250	364	875	250	375	0	703	574	125 #
589	875	250	500	875	250	489	875	250	500	0	703	433	125 #
590	875	250	625	875	250	635	875	250	625	0	703	269	125 #
591	875	250	750	875	250	760	875	250	750	0	703	128	125 #
592	875	250	875	875	250	875	875	250	875	0	703	0	125 #
593	875	250	1000	887	250	1000	875	250	1000	112	750	0	0 #
594	875	375	0	875	364	0	875	375	0	0	570	978	125 #
595	875	375	125	875	362	125	875	375	125	0	575	841	125 #
596	875	375	250	875	364	250	875	375	250	0	574	703	125 #
597	875	375	375	875	375	375	875	375	375	0	564	564	125 #
598	875	375	500	875	375	491	875	375	500	0	564	432	125 #
599	875	375	625	875	375	625	875	375	625	0	564	282	125 #
600	875	375	750	875	375	758	875	375	750	0	564	131	125 #
601	875	375	875	875	375	875	875	375	875	0	564	0	125 #
602	875	375	1000	885	375	1000	875	375	1000	114	625	0	0 #
603	875	500	0	875	510	0	875	500	0	0	407	978	125 #
604	875	500	125	875	500	125	875	500	125	0	420	841	125 #
605	875	500	250	875	489	250	875	500	250	0	433	703	125 #
606	875	500	375	875	491	375	875	500	375	0	432	564	125 #
607	875	500	500	875	500	500	875	500	500	0	424	424	125 #
608	875	500	625	875	500	618	875	500	625	0	424	290	125 #
609	875	500	750	875	500	756	875	500	750	0	424	134	125 #
610	875	500	875	875	500	875	875	500	875	0	424	0	125 #
611	875	500	1000	883	500	1000	875	500	1000	116	500	0	0 #
612	875	625	0	875	641	0	875	625	0	0	260	978	125 #
613	875	625	125	875	637	125	875	625	125	0	266	841	125 #
614	875	625	250	875	635	250	875	625	250	0	269	703	125 #
615	875	625	375	875	625	375	875	625	375	0	282	564	125 #
616	875	625	500	875	618	500	875	625	500	0	290	424	125 #
617	875	625	625	875	625	625	875	625	625	0	283	283	125 #
618	875	625	750	875	625	750	875	625	750	0	283	141	125 #
619	875	625	875	875	625	875	875	625	875	0	283	0	125 #
620	875	625	1000	881	625	1000	875	625	1000	118	375	0	0 #
621	875	750	0	875	758	0	875	750	0	0	130	978	125 #
622	875	750	125	875	762	125	875	750	125	0	126	841	125 #
623	875	750	250	875	760	250	875	750	250	0	128	703	125 #
624	875	750	375	875	758	375	875	750	375	0	131	564	125 #
625	875	750	500	875	756	500	875	750	500	0	134	424	125 #
626	875	750	625	875	750	625	875	750	625	0	141	283	125 #
627	875	750	750	875	750	750	875	750	750	0	142	142	125 #
628	875	750	875	875	750	875	875	750	875	0	142	0	125 #
629	875	750	1000	875	750	1000	875	750	1000	125	250	0	0 #
630	875	875	0	875	875	0	875	875	0	0	0	978	125 #
631	875	875	125	875	875	125	875	875	125	0	0	841	125 #
632	875	875	250	875	875	250	875	875	250	0	0	703	125 #
633	875	875	375	875	875	375	875	875	375	0	0	564	125 #
634	875	875	500	875	875	500	875	875	500	0	0	424	125 #
635	875	875	625	875	875	625	875	875	625	0	0	283	125 #
636	875	875	750	875	875	750	875	875	750	0	0	142	125 #
637	875	875	875	875	875	875	875	875	875	0	0	0	125 #
638	875	875	1000	875	875	1000	875	875	1000	125	125	0	0 #
639	875	1000	0	883	1000	0	875	1000	0	116	0	1000	0 #
640	875	1000	125	883	1000	125	875	1000	125	116	0	875	0 #
641	875	1000	250	887	1000	250	875	1000	250	112	0	750	0 #
642	875	1000	375	885	1000	375	875	1000	375	114	0	625	0 #
643	875	1000	500	883	1000	500	875	1000	500	116	0	500	0 #
644	875	1000	625	881	1000	625	875	1000	625	118	0	375	0 #
645	875	1000	750	875	1000	750	875	1000	750	125	0	250	0 #
646	875	1000	875	875	1000	875	875	1000	875	125	0	125	0 #
647	875	1000	1000	875	1000	1000	875	1000	1000	125	0	0	0 #

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
`http://130.149.60.45/~farbmetrik` or `http://farbe.li.tu-berlin.de`

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8−09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

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

n	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
648	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
649	1000	0	125	1000	0	116	1000	0	125	0	1000	883	0 #
650	1000	0	250	1000	0	233	1000	0	250	0	1000	766	0 #
651	1000	0	375	1000	0	366	1000	0	375	0	1000	633	0 #
652	1000	0	500	1000	0	500	1000	0	500	0	1000	500	0 #
653	1000	0	625	1000	0	633	1000	0	625	0	1000	366	0 #
654	1000	0	750	1000	0	766	1000	0	750	0	1000	233	0 #
655	1000	0	875	1000	0	883	1000	0	875	0	1000	116	0 #
656	1000	0	1000	1000	0	1000	1000	0	1000	0	1000	0	0 #
657	1000	125	0	1000	116	0	1000	125	0	0	883	1000	0 #
658	1000	125	125	1000	125	125	1000	125	125	0	875	875	0 #
659	1000	125	250	1000	125	241	1000	125	250	0	875	758	0 #
660	1000	125	375	1000	125	358	1000	125	375	0	875	641	0 #
661	1000	125	500	1000	125	489	1000	125	500	0	875	510	0 #
662	1000	125	625	1000	125	635	1000	125	625	0	875	364	0 #
663	1000	125	750	1000	125	766	1000	125	750	0	875	233	0 #
664	1000	125	875	1000	125	883	1000	125	875	0	875	116	0 #
665	1000	125	1000	1000	125	1000	1000	125	1000	0	875	0	0 #
666	1000	250	0	1000	233	0	1000	250	0	0	766	1000	0 #
667	1000	250	125	1000	241	125	1000	250	125	0	758	875	0 #
668	1000	250	250	1000	250	250	1000	250	250	0	750	750	0 #
669	1000	250	375	1000	250	362	1000	250	375	0	750	637	0 #
670	1000	250	500	1000	250	487	1000	250	500	0	750	512	0 #
671	1000	250	625	1000	250	625	1000	250	625	0	750	375	0 #
672	1000	250	750	1000	250	762	1000	250	750	0	750	237	0 #
673	1000	250	875	1000	250	887	1000	250	875	0	750	112	0 #
674	1000	250	1000	1000	250	1000	1000	250	1000	0	750	0	0 #
675	1000	375	0	1000	366	0	1000	375	0	0	633	1000	0 #
676	1000	375	125	1000	358	125	1000	375	125	0	641	875	0 #
677	1000	375	250	1000	362	250	1000	375	250	0	637	750	0 #
678	1000	375	375	1000	375	375	1000	375	375	0	625	625	0 #
679	1000	375	500	1000	375	489	1000	375	500	0	625	510	0 #
680	1000	375	625	1000	375	614	1000	375	625	0	625	385	0 #
681	1000	375	750	1000	375	760	1000	375	750	0	625	239	0 #
682	1000	375	875	1000	375	885	1000	375	875	0	625	114	0 #
683	1000	375	1000	1000	375	1000	1000	375	1000	0	625	0	0 #
684	1000	500	0	1000	500	0	1000	500	0	0	500	1000	0 #
685	1000	500	125	1000	489	125	1000	500	125	0	510	875	0 #
686	1000	500	250	1000	487	250	1000	500	250	0	512	750	0 #
687	1000	500	375	1000	489	375	1000	500	375	0	510	625	0 #
688	1000	500	500	1000	500	500	1000	500	500	0	500	500	0 #
689	1000	500	625	1000	500	616	1000	500	625	0	500	383	0 #
690	1000	500	750	1000	500	750	1000	500	750	0	500	250	0 #
691	1000	500	875	1000	500	883	1000	500	875	0	500	116	0 #
692	1000	500	1000	1000	500	1000	1000	500	1000	0	500	0	0 #
693	1000	625	0	1000	633	0	1000	625	0	0	366	1000	0 #
694	1000	625	125	1000	635	125	1000	625	125	0	364	875	0 #
695	1000	625	250	1000	625	250	1000	625	250	0	375	750	0 #
696	1000	625	375	1000	614	375	1000	625	375	0	385	625	0 #
697	1000	625	500	1000	616	500	1000	625	500	0	383	500	0 #
698	1000	625	625	1000	625	625	1000	625	625	0	375	375	0 #
699	1000	625	750	1000	625	743	1000	625	750	0	375	256	0 #
700	1000	625	875	1000	625	881	1000	625	875	0	375	118	0 #
701	1000	625	1000	1000	625	1000	1000	625	1000	0	375	0	0 #
702	1000	750	0	1000	766	0	1000	750	0	0	233	1000	0 #
703	1000	750	125	1000	766	125	1000	750	125	0	233	875	0 #
704	1000	750	250	1000	762	250	1000	750	250	0	237	750	0 #
705	1000	750	375	1000	760	375	1000	750	375	0	239	625	0 #
706	1000	750	500	1000	750	500	1000	750	500	0	250	500	0 #
707	1000	750	625	1000	743	625	1000	750	625	0	256	375	0 #
708	1000	750	750	1000	750	750	1000	750	750	0	250	250	0 #
709	1000	750	875	1000	750	875	1000	750	875	0	250	125	0 #
710	1000	750	1000	1000	750	1000	1000	750	1000	0	250	0	0 #
711	1000	875	0	1000	883	0	1000	875	0	0	116	1000	0 #
712	1000	875	125	1000	883	125	1000	875	125	0	116	875	0 #
713	1000	875	250	1000	887	250	1000	875	250	0	112	750	0 #
714	1000	875	375	1000	885	375	1000	875	375	0	114	625	0 #
715	1000	875	500	1000	883	500	1000	875	500	0	116	500	0 #
716	1000	875	625	1000	881	625	1000	875	625	0	118	375	0 #
717	1000	875	750	1000	875	750	1000	875	750	0	125	250	0 #
718	1000	875	875	1000	875	875	1000	875	875	0	125	125	0 #
719	1000	875	1000	1000	875	1000	1000	875	1000	0	125	0	0 #
720	1000	1000	0	1000	1000	0	1000	1000	0	0	0	1000	0 #
721	1000	1000	125	1000	1000	125	1000	1000	125	0	0	875	0 #
722	1000	1000	250	1000	1000	250	1000	1000	250	0	0	750	0 #
723	1000	1000	375	1000	1000	375	1000	1000	375	0	0	625	0 #
724	1000	1000	500	1000	1000	500	1000	1000	500	0	0	500	0 #
725	1000	1000	625	1000	1000	625	1000	1000	625	0	0	375	0 #
726	1000	1000	750	1000	1000	750	1000	1000	750	0	0	250	0 #
727	1000	1000	875	1000	1000	875	1000	1000	875	0	0	125	0 #
728	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

n	*rgb*$_{\_Fd}$*1000			*rgb**$_{Fd}$*1000			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd}$*1000			
729	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
730	875	1000	1000	875	1000	1000	875	1000	1000	125	0	0	0 #
731	750	1000	1000	750	1000	1000	750	1000	1000	250	0	0	0 #
732	625	1000	1000	625	1000	1000	625	1000	1000	375	0	0	0 #
733	500	1000	1000	500	1000	1000	500	1000	1000	500	0	0	0 #
734	375	1000	1000	375	1000	1000	375	1000	1000	625	0	0	0 #
735	250	1000	1000	250	1000	1000	250	1000	1000	750	0	0	0 #
736	125	1000	1000	125	1000	1000	125	1000	1000	875	0	0	0 #
737	0	1000	1000	0	1000	1000	0	1000	1000	1000	0	0	0 #
738	1000	875	875	1000	875	875	1000	875	875	0	125	125	0 #
739	875	875	875	875	875	875	875	875	875	0	0	0	125 #
740	750	875	875	750	875	875	750	875	875	142	0	0	125 #
741	625	875	875	625	875	875	625	875	875	283	0	0	125 #
742	500	875	875	500	875	875	500	875	875	424	0	0	125 #
743	375	875	875	375	875	875	375	875	875	564	0	0	125 #
744	250	875	875	250	875	875	250	875	875	703	0	0	125 #
745	125	875	875	125	875	875	125	875	875	841	0	0	125 #
746	0	875	875	0	875	875	0	875	875	978	0	0	125 #
747	1000	750	750	1000	750	750	1000	750	750	0	250	250	0 #
748	875	750	750	875	750	750	875	750	750	0	142	142	125 #
749	750	750	750	750	750	750	750	750	750	0	0	0	250 #
750	625	750	750	625	750	750	625	750	750	165	0	0	250 #
751	500	750	750	500	750	750	500	750	750	327	0	0	250 #
752	375	750	750	375	750	750	375	750	750	487	0	0	250 #
753	250	750	750	250	750	750	250	750	750	645	0	0	250 #
754	125	750	750	125	750	750	125	750	750	799	0	0	250 #
755	0	750	750	0	750	750	0	750	750	951	0	0	250 #
756	1000	625	625	1000	625	625	1000	625	625	0	375	375	0 #
757	875	625	625	875	625	625	875	625	625	0	283	283	125 #
758	750	625	625	750	625	625	750	625	625	0	165	165	250 #
759	625	625	625	625	625	625	625	625	625	0	0	0	375 #
760	500	625	625	500	625	625	500	625	625	196	0	0	375 #
761	375	625	625	375	625	625	375	625	625	386	0	0	375 #
762	250	625	625	250	625	625	250	625	625	569	0	0	375 #
763	125	625	625	125	625	625	125	625	625	746	0	0	375 #
764	0	625	625	0	625	625	0	625	625	916	0	0	375 #
765	1000	500	500	1000	500	500	1000	500	500	0	500	500	0 #
766	875	500	500	875	500	500	875	500	500	0	424	424	125 #
767	750	500	500	750	500	500	750	500	500	0	327	327	250 #
768	625	500	500	625	500	500	625	500	500	0	196	196	375 #
769	500	500	500	500	500	500	500	500	500	0	0	0	500 #
770	375	500	500	375	500	500	375	500	500	241	0	0	500 #
771	250	500	500	249	500	500	250	500	500	466	0	0	500 #
772	125	500	500	124	500	500	125	500	500	675	0	0	500 #
773	0	500	500	0	500	500	0	500	500	867	0	0	500 #
774	1000	375	375	1000	375	375	1000	375	375	0	625	625	0 #
775	875	375	375	875	375	375	875	375	375	0	564	564	125 #
776	750	375	375	750	375	375	750	375	375	0	487	487	250 #
777	625	375	375	625	375	375	625	375	375	0	386	386	375 #
778	500	375	375	500	375	375	500	375	375	0	241	241	500 #
779	375	375	375	375	375	375	375	375	375	0	0	0	625 #
780	250	375	375	249	375	375	250	375	375	310	0	0	625 #
781	125	375	375	124	375	375	125	375	375	576	0	0	625 #
782	0	375	375	0	375	375	0	375	375	797	0	0	625 #
783	1000	250	250	1000	250	250	1000	250	250	0	750	750	0 #
784	875	250	250	875	250	250	875	250	250	0	703	703	125 #
785	750	250	250	750	250	250	750	250	250	0	645	645	250 #
786	625	250	250	625	250	250	625	250	250	0	569	569	375 #
787	500	250	250	500	249	249	500	250	250	0	466	466	500 #
788	375	250	250	375	249	249	375	250	250	0	310	310	625 #
789	250	250	250	250	250	250	250	250	250	0	0	0	750 #
790	125	250	250	124	250	250	125	250	250	421	0	0	750 #
791	0	250	250	0	250	250	0	250	250	686	0	0	750 #
792	1000	125	125	1000	125	125	1000	125	125	0	875	875	0 #
793	875	125	125	875	125	125	875	125	125	0	841	841	125 #
794	750	125	125	750	125	125	750	125	125	0	799	799	250 #
795	625	125	125	625	125	125	625	125	125	0	746	746	375 #
796	500	125	125	500	124	124	500	125	125	0	675	675	500 #
797	375	125	125	375	124	124	375	125	125	0	576	576	625 #
798	250	125	125	250	124	124	250	125	125	0	421	421	750 #
799	125	125	125	125	125	125	125	125	125	0	0	0	875 #
800	0	125	125	0	125	125	0	125	125	483	0	0	875 #
801	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
802	875	0	0	875	0	0	875	0	0	0	978	978	125 #
803	750	0	0	750	0	0	750	0	0	0	951	951	250 #
804	625	0	0	625	0	0	625	0	0	0	916	916	375 #
805	500	0	0	500	0	0	500	0	0	0	867	867	500 #
806	375	0	0	375	0	0	375	0	0	0	797	797	625 #
807	250	0	0	250	0	0	250	0	0	0	686	686	750 #
808	125	0	0	125	0	0	125	0	0	0	483	483	875 #
809	0	0	0	0	0	0	0	0	0	0	0	0	1000 #

n	*rgb*$_{\_Fd}$*1000			*rgb**$_{Fd}$*1000			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd}$*1000			
810	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
811	875	875	1000	875	875	1000	875	875	1000	125	125	0	0 #
812	750	750	1000	750	750	1000	750	750	1000	250	250	0	0 #
813	625	625	1000	625	625	1000	625	625	1000	375	375	0	0 #
814	500	500	1000	500	500	1000	500	500	1000	500	500	0	0 #
815	375	375	1000	375	375	1000	375	375	1000	625	625	0	0 #
816	250	250	1000	250	250	1000	250	250	1000	750	750	0	0 #
817	125	125	1000	125	125	1000	125	125	1000	875	875	0	0 #
818	0	0	1000	0	0	1000	0	0	1000	1000	1000	0	0 #
819	1000	1000	875	1000	1000	875	1000	1000	875	0	0	125	0 #
820	875	875	875	875	875	875	875	875	875	0	0	0	125 #
821	750	750	875	750	750	875	750	750	875	142	142	0	125 #
822	625	625	875	625	625	875	625	625	875	283	283	0	125 #
823	500	500	875	500	500	875	500	500	875	424	424	0	125 #
824	375	375	875	375	375	875	375	375	875	564	564	0	125 #
825	250	250	875	250	250	875	250	250	875	703	703	0	125 #
826	125	125	875	125	125	875	125	125	875	841	841	0	125 #
827	0	0	875	0	0	875	0	0	875	978	978	0	125 #
828	1000	1000	750	1000	1000	750	1000	1000	750	0	0	250	0 #
829	875	875	750	875	875	750	875	875	750	0	0	142	125 #
830	750	750	750	750	750	750	750	750	750	0	0	0	250 #
831	625	625	750	625	625	750	625	625	750	165	165	0	250 #
832	500	500	750	500	500	750	500	500	750	327	327	0	250 #
833	375	375	750	375	375	750	375	375	750	487	487	0	250 #
834	250	250	750	250	250	750	250	250	750	645	645	0	250 #
835	125	125	750	125	125	750	125	125	750	799	799	0	250 #
836	0	0	750	0	0	750	0	0	750	951	951	0	250 #
837	1000	1000	625	1000	1000	625	1000	1000	625	0	0	375	0 #
838	875	875	625	875	875	625	875	875	625	0	0	283	125 #
839	750	750	625	750	750	625	750	750	625	0	0	165	250 #
840	625	625	625	625	625	625	625	625	625	0	0	0	375 #
841	500	500	625	500	500	625	500	500	625	196	196	0	375 #
842	375	375	625	375	375	625	375	375	625	386	386	0	375 #
843	250	250	625	250	250	625	250	250	625	569	569	0	375 #
844	125	125	625	125	125	625	125	125	625	746	746	0	375 #
845	0	0	625	0	0	625	0	0	625	916	916	0	375 #
846	1000	1000	500	1000	1000	500	1000	1000	500	0	0	500	0 #
847	875	875	500	875	875	500	875	875	500	0	0	424	125 #
848	750	750	500	750	750	500	750	750	500	0	0	327	250 #
849	625	625	500	625	625	500	625	625	500	0	0	196	375 #
850	500	500	500	500	500	500	500	500	500	0	0	0	500 #
851	375	375	500	375	375	500	375	375	500	241	241	0	500 #
852	250	250	500	249	249	500	250	250	500	466	466	0	500 #
853	125	125	500	124	124	500	125	125	500	675	675	0	500 #
854	0	0	500	0	0	500	0	0	500	867	867	0	500 #
855	1000	1000	375	1000	1000	375	1000	1000	375	0	0	625	0 #
856	875	875	375	875	875	375	875	875	375	0	0	564	125 #
857	750	750	375	750	750	375	750	750	375	0	0	487	250 #
858	625	625	375	625	625	375	625	625	375	0	0	386	375 #
859	500	500	375	500	500	375	500	500	375	0	0	241	500 #
860	375	375	375	375	375	375	375	375	375	0	0	0	625 #
861	250	250	375	249	249	375	250	250	375	310	310	0	625 #
862	125	125	375	124	124	375	125	125	375	576	576	0	625 #
863	0	0	375	0	0	375	0	0	375	797	797	0	625 #
864	1000	1000	250	1000	1000	250	1000	1000	250	0	0	750	0 #
865	875	875	250	875	875	250	875	875	250	0	0	703	125 #
866	750	750	250	750	750	250	750	750	250	0	0	645	250 #
867	625	625	250	625	625	250	625	625	250	0	0	569	375 #
868	500	500	250	500	500	249	500	500	250	0	0	466	500 #
869	375	375	250	375	375	249	375	375	250	0	0	310	625 #
870	250	250	250	250	250	250	250	250	250	0	0	0	750 #
871	125	125	250	124	124	250	125	125	250	421	421	0	750 #
872	0	0	250	0	0	250	0	0	250	686	686	0	750 #
873	1000	1000	125	1000	1000	125	1000	1000	125	0	0	875	0 #
874	875	875	125	875	875	125	875	875	125	0	0	841	125 #
875	750	750	125	750	750	125	750	750	125	0	0	799	250 #
876	625	625	125	625	625	125	625	625	125	0	0	746	375 #
877	500	500	125	500	500	124	500	500	125	0	0	675	500 #
878	375	375	125	375	375	124	375	375	125	0	0	576	625 #
879	250	250	125	250	250	124	250	250	125	0	0	421	750 #
880	125	125	125	125	125	125	125	125	125	0	0	0	875 #
881	0	0	125	0	0	125	0	0	125	483	483	0	875 #
882	1000	1000	0	1000	1000	0	1000	1000	0	0	0	1000	0 #
883	875	875	0	875	875	0	875	875	0	0	0	978	125 #
884	750	750	0	750	750	0	750	750	0	0	0	951	250 #
885	625	625	0	625	625	0	625	625	0	0	0	916	375 #
886	500	500	0	500	500	0	500	500	0	0	0	867	500 #
887	375	375	0	375	375	0	375	375	0	0	0	797	625 #
888	250	250	0	250	250	0	250	250	0	0	0	686	750 #
889	125	125	0	125	125	0	125	125	0	0	0	483	875 #
890	0	0	0	0	0	0	0	0	0	0	0	0	1000 #

see similar files: http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM
http://130.149.60.45/~farbmetrik or http://farbe.li.tu-berlin.de

TUB registration: 20160101-ZE14/ZE14L0NP.PDF /.PS
application for measurement of photo printer output, separation rgb (CMYK)

TUB material: code=rha4ta

TUB-test chart ZE14; test chart G of CIE R8-09:2015
colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* -> *rgb*$_d$
output: transfer to *rgb*$_d$

see similar files: `http://farbe.li.tu-berlin.de/ZE14/ZE14.HTM`
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n	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
891	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
892	1000	875	1000	1000	875	1000	1000	875	1000	0	125	0	0 #
893	1000	750	1000	1000	750	1000	1000	750	1000	0	250	0	0 #
894	1000	625	1000	1000	625	1000	1000	625	1000	0	375	0	0 #
895	1000	500	1000	1000	500	1000	1000	500	1000	0	500	0	0 #
896	1000	375	1000	1000	375	1000	1000	375	1000	0	625	0	0 #
897	1000	250	1000	1000	250	1000	1000	250	1000	0	750	0	0 #
898	1000	125	1000	1000	125	1000	1000	125	1000	0	875	0	0 #
899	1000	0	1000	1000	0	1000	1000	0	1000	0	1000	0	0 #
900	875	1000	875	875	1000	875	875	1000	875	125	0	125	0 #
901	875	875	875	875	875	875	875	875	875	0	0	0	125 #
902	875	750	875	875	750	875	875	750	875	0	142	0	125 #
903	875	625	875	875	625	875	875	625	875	0	283	0	125 #
904	875	500	875	875	500	875	875	500	875	0	424	0	125 #
905	875	375	875	875	375	875	875	375	875	0	564	0	125 #
906	875	250	875	875	250	875	875	250	875	0	703	0	125 #
907	875	125	875	875	125	875	875	125	875	0	841	0	125 #
908	875	0	875	875	0	875	875	0	875	0	978	0	125 #
909	750	1000	750	750	1000	750	750	1000	750	250	0	250	0 #
910	750	875	750	750	875	750	750	875	750	142	0	142	125 #
911	750	750	750	750	750	750	750	750	750	0	0	0	250 #
912	750	625	750	750	625	750	750	625	750	0	165	0	250 #
913	750	500	750	750	500	750	750	500	750	0	327	0	250 #
914	750	375	750	750	375	750	750	375	750	0	487	0	250 #
915	750	250	750	750	250	750	750	250	750	0	645	0	250 #
916	750	125	750	750	125	750	750	125	750	0	799	0	250 #
917	750	0	750	750	0	750	750	0	750	0	951	0	250 #
918	625	1000	625	625	1000	625	625	1000	625	375	0	375	0 #
919	625	875	625	625	875	625	625	875	625	283	0	283	125 #
920	625	750	625	625	750	625	625	750	625	165	0	165	250 #
921	625	625	625	625	625	625	625	625	625	0	0	0	375 #
922	625	500	625	625	500	625	625	500	625	0	196	0	375 #
923	625	375	625	625	375	625	625	375	625	0	386	0	375 #
924	625	250	625	625	250	625	625	250	625	0	569	0	375 #
925	625	125	625	625	125	625	625	125	625	0	746	0	375 #
926	625	0	625	625	0	625	625	0	625	0	916	0	375 #
927	500	1000	500	500	1000	500	500	1000	500	500	0	500	0 #
928	500	875	500	500	875	500	500	875	500	424	0	424	125 #
929	500	750	500	500	750	500	500	750	500	327	0	327	250 #
930	500	625	500	500	625	500	500	625	500	196	0	196	375 #
931	500	500	500	500	500	500	500	500	500	0	0	0	500 #
932	500	375	500	500	375	500	500	375	500	0	241	0	500 #
933	500	250	500	500	249	500	500	250	500	0	466	0	500 #
934	500	125	500	500	124	500	500	125	500	0	675	0	500 #
935	500	0	500	500	0	500	500	0	500	0	867	0	500 #
936	375	1000	375	375	1000	375	375	1000	375	625	0	625	0 #
937	375	875	375	375	875	375	375	875	375	564	0	564	125 #
938	375	750	375	375	750	375	375	750	375	487	0	487	250 #
939	375	625	375	375	625	375	375	625	375	386	0	386	375 #
940	375	500	375	375	500	375	375	500	375	241	0	241	500 #
941	375	375	375	375	375	375	375	375	375	0	0	0	625 #
942	375	250	375	375	249	375	375	250	375	0	310	0	625 #
943	375	125	375	375	124	375	375	125	375	0	576	0	625 #
944	375	0	375	375	0	375	375	0	375	0	797	0	625 #
945	250	1000	250	250	1000	250	250	1000	250	750	0	750	0 #
946	250	875	250	250	875	250	250	875	250	703	0	703	125 #
947	250	750	250	250	750	250	250	750	250	645	0	645	250 #
948	250	625	250	250	625	250	250	625	250	569	0	569	375 #
949	250	500	250	249	500	249	250	500	250	466	0	466	500 #
950	250	375	250	249	375	249	250	375	250	310	0	310	625 #
951	250	250	250	250	250	250	250	250	250	0	0	0	750 #
952	250	125	250	250	124	250	250	125	250	0	421	0	750 #
953	250	0	250	250	0	250	250	0	250	0	686	0	750 #
954	125	1000	125	125	1000	125	125	1000	125	875	0	875	0 #
955	125	875	125	125	875	125	125	875	125	841	0	841	125 #
956	125	750	125	125	750	125	125	750	125	799	0	799	250 #
957	125	625	125	125	625	125	125	625	125	746	0	746	375 #
958	125	500	125	124	500	124	125	500	125	675	0	675	500 #
959	125	375	125	124	375	124	125	375	125	576	0	576	625 #
960	125	250	125	124	250	124	125	250	125	421	0	421	750 #
961	125	125	125	125	125	125	125	125	125	0	0	0	875 #
962	125	0	125	125	0	125	125	0	125	0	483	0	875 #
963	0	1000	0	0	1000	0	0	1000	0	1000	0	1000	0 #
964	0	875	0	0	875	0	0	875	0	978	0	978	125 #
965	0	750	0	0	750	0	0	750	0	951	0	951	250 #
966	0	625	0	0	625	0	0	625	0	916	0	916	375 #
967	0	500	0	0	500	0	0	500	0	867	0	867	500 #
968	0	375	0	0	375	0	0	375	0	797	0	797	625 #
969	0	250	0	0	250	0	0	250	0	686	0	686	750 #
970	0	125	0	0	125	0	0	125	0	483	0	483	875 #
971	0	0	0	0	0	0	0	0	0	0	0	0	1000 #

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colors and differences, Δ*E**', 3D=0, de=0, *RGB*

input: *rgb/cmyk* −> rgb_d
output: transfer to rgb_d

n	*rgb*$_{\_Fd*1000}$			*rgb**$_{Fd*1000}$			*rgb'**$_{Fd}$			*cmyn'**$_{6,sep,Fd*1000}$			
972	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
973	125	125	125	125	125	125	125	125	125	0	0	0	875 #
974	250	250	250	250	250	250	250	250	250	0	0	0	750 #
975	375	375	375	375	375	375	375	375	375	0	0	0	625 #
976	500	500	500	500	500	500	500	500	500	0	0	0	500 #
977	625	625	625	625	625	625	625	625	625	0	0	0	375 #
978	750	750	750	750	750	750	750	750	750	0	0	0	250 #
979	875	875	875	875	875	875	875	875	875	0	0	0	125 #
980	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
981	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
982	125	125	125	125	125	125	125	125	125	0	0	0	875 #
983	250	250	250	250	250	250	250	250	250	0	0	0	750 #
984	375	375	375	375	375	375	375	375	375	0	0	0	625 #
985	500	500	500	500	500	500	500	500	500	0	0	0	500 #
986	625	625	625	625	625	625	625	625	625	0	0	0	375 #
987	750	750	750	750	750	750	750	750	750	0	0	0	250 #
988	875	875	875	875	875	875	875	875	875	0	0	0	125 #
989	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
990	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
991	125	125	125	125	125	125	125	125	125	0	0	0	875 #
992	250	250	250	250	250	250	250	250	250	0	0	0	750 #
993	375	375	375	375	375	375	375	375	375	0	0	0	625 #
994	500	500	500	500	500	500	500	500	500	0	0	0	500 #
995	625	625	625	625	625	625	625	625	625	0	0	0	375 #
996	750	750	750	750	750	750	750	750	750	0	0	0	250 #
997	875	875	875	875	875	875	875	875	875	0	0	0	125 #
998	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
999	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1000	125	125	125	125	125	125	125	125	125	0	0	0	875 #
1001	250	250	250	250	250	250	250	250	250	0	0	0	750 #
1002	375	375	375	375	375	375	375	375	375	0	0	0	625 #
1003	500	500	500	500	500	500	500	500	500	0	0	0	500 #
1004	625	625	625	625	625	625	625	625	625	0	0	0	375 #
1005	750	750	750	750	750	750	750	750	750	0	0	0	250 #
1006	875	875	875	875	875	875	875	875	875	0	0	0	125 #
1007	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
1008	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1009	66	66	66	66	66	66	66	66	66	0	0	0	934 #
1010	133	133	133	133	133	133	133	133	133	0	0	0	867 #
1011	200	200	200	200	200	200	200	200	200	0	0	0	800 #
1012	266	266	266	266	266	266	266	266	266	0	0	0	733 #
1013	333	333	333	333	333	333	333	333	333	0	0	0	667 #
1014	400	400	400	400	400	400	400	400	400	0	0	0	600 #
1015	466	466	466	466	466	466	466	466	466	0	0	0	534 #
1016	533	533	533	533	533	533	533	533	533	0	0	0	467 #
1017	600	600	600	600	600	600	600	600	600	0	0	0	399 #
1018	666	666	666	666	666	666	666	666	666	0	0	0	334 #
1019	734	734	734	734	734	734	734	734	734	0	0	0	265 #
1020	800	800	800	800	800	800	800	800	800	0	0	0	199 #
1021	866	866	866	866	866	866	866	866	866	0	0	0	134 #
1022	933	933	933	933	933	933	933	933	933	0	0	0	66 #
1023	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
1024	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1025	66	66	66	66	66	66	66	66	66	0	0	0	934 #
1026	133	133	133	133	133	133	133	133	133	0	0	0	867 #
1027	200	200	200	200	200	200	200	200	200	0	0	0	800 #
1028	266	266	266	266	266	266	266	266	266	0	0	0	733 #
1029	333	333	333	333	333	333	333	333	333	0	0	0	667 #
1030	400	400	400	400	400	400	400	400	400	0	0	0	600 #
1031	466	466	466	466	466	466	466	466	466	0	0	0	534 #
1032	533	533	533	533	533	533	533	533	533	0	0	0	467 #
1033	600	600	600	600	600	600	600	600	600	0	0	0	399 #
1034	666	666	666	666	666	666	666	666	666	0	0	0	334 #
1035	734	734	734	734	734	734	734	734	734	0	0	0	265 #
1036	800	800	800	800	800	800	800	800	800	0	0	0	199 #
1037	866	866	866	866	866	866	866	866	866	0	0	0	134 #
1038	933	933	933	933	933	933	933	933	933	0	0	0	66 #
1039	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
1040	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1041	66	66	66	66	66	66	66	66	66	0	0	0	934 #
1042	133	133	133	133	133	133	133	133	133	0	0	0	867 #
1043	200	200	200	200	200	200	200	200	200	0	0	0	800 #
1044	266	266	266	266	266	266	266	266	266	0	0	0	733 #
1045	333	333	333	333	333	333	333	333	333	0	0	0	667 #
1046	400	400	400	400	400	400	400	400	400	0	0	0	600 #
1047	466	466	466	466	466	466	466	466	466	0	0	0	534 #
1048	533	533	533	533	533	533	533	533	533	0	0	0	467 #
1049	600	600	600	600	600	600	600	600	600	0	0	0	399 #
1050	666	666	666	666	666	666	666	666	666	0	0	0	334 #
1051	734	734	734	734	734	734	734	734	734	0	0	0	265 #
1052	800	800	800	800	800	800	800	800	800	0	0	0	199 #

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

n	$rgb_{\_Fd*1000}$			$rgb^*_{Fd*1000}$			rgb'^*_{Fd}			$cmyn'^*_{6,sep,Fd*1000}$			
1053	866	866	866	866	866	866	866	866	866	0	0	0	134 #
1054	933	933	933	933	933	933	933	933	933	0	0	0	66 #
1055	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
1056	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1057	66	66	66	66	66	66	66	66	66	0	0	0	934 #
1058	133	133	133	133	133	133	133	133	133	0	0	0	867 #
1059	200	200	200	200	200	200	200	200	200	0	0	0	800 #
1060	266	266	266	266	266	266	266	266	266	0	0	0	733 #
1061	333	333	333	333	333	333	333	333	333	0	0	0	667 #
1062	400	400	400	400	400	400	400	400	400	0	0	0	600 #
1063	466	466	466	466	466	466	466	466	466	0	0	0	534 #
1064	533	533	533	533	533	533	533	533	533	0	0	0	467 #
1065	600	600	600	600	600	600	600	600	600	0	0	0	399 #
1066	666	666	666	666	666	666	666	666	666	0	0	0	334 #
1067	734	734	734	734	734	734	734	734	734	0	0	0	265 #
1068	800	800	800	800	800	800	800	800	800	0	0	0	199 #
1069	866	866	866	866	866	866	866	866	866	0	0	0	134 #
1070	933	933	933	933	933	933	933	933	933	0	0	0	66 #
1071	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
1072	0	0	0	0	0	0	0	0	0	0	0	0	1000 #
1073	1000	1000	1000	1000	1000	1000	1000	1000	1000	0	0	0	0 #
1074	1000	0	0	1000	0	0	1000	0	0	0	1000	1000	0 #
1075	0	1000	1000	0	1000	1000	0	1000	1000	1000	0	0	0 #
1076	1000	1000	0	1000	1000	0	1000	1000	0	0	0	1000	0 #
1077	0	0	1000	0	0	1000	0	0	1000	1000	1000	0	0 #
1078	0	1000	0	0	1000	0	0	1000	0	1000	0	1000	0 #
1079	1000	0	1000	1000	0	1000	1000	0	1000	0	1000	0	0 #

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