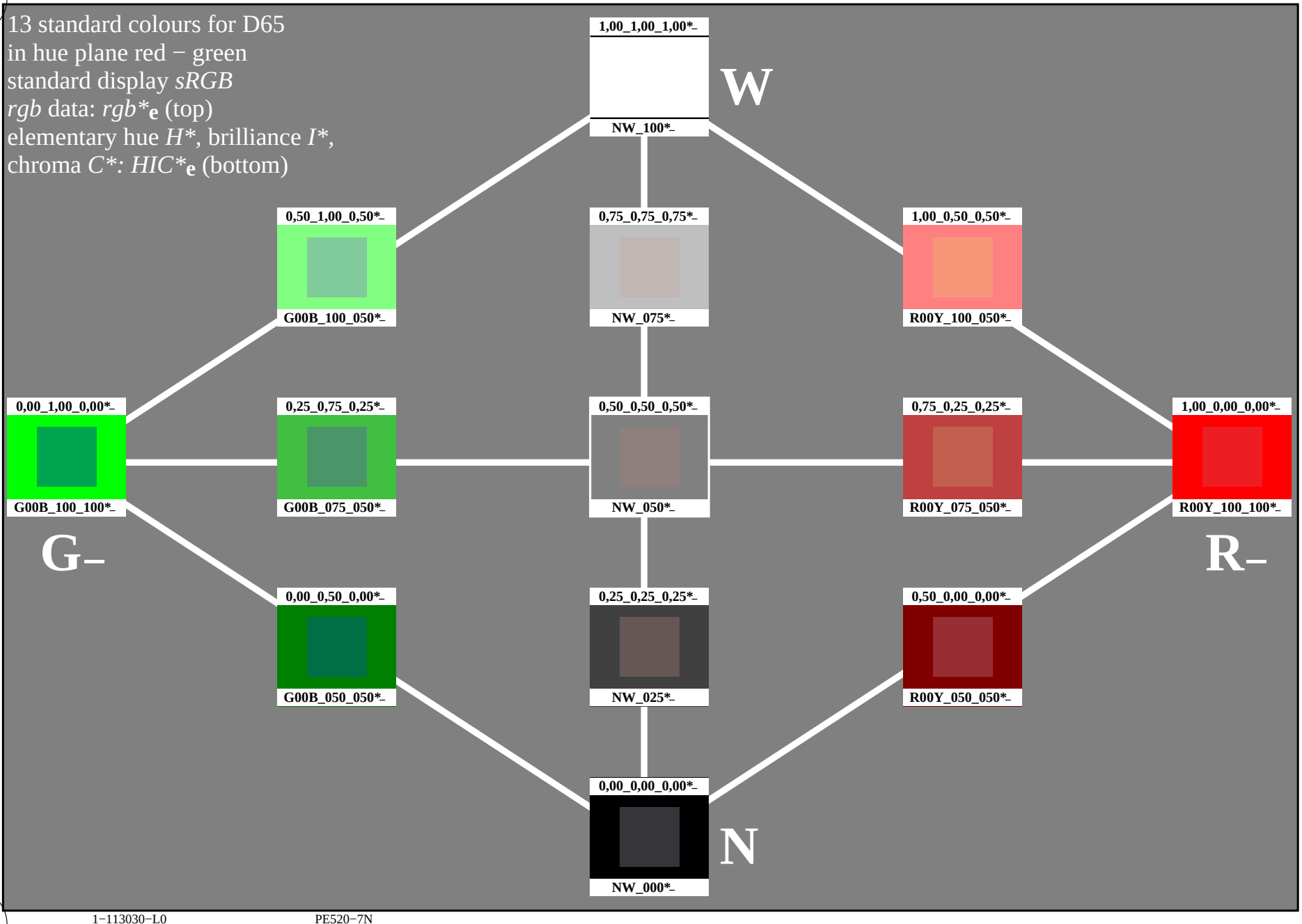
13 standard colours for D65
in hue plane red − green
standard display *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (top)
elementary hue *H**, brilliance *I**,
chroma *C**: *HIC**$_{\mathbf{e}}$ (bottom)

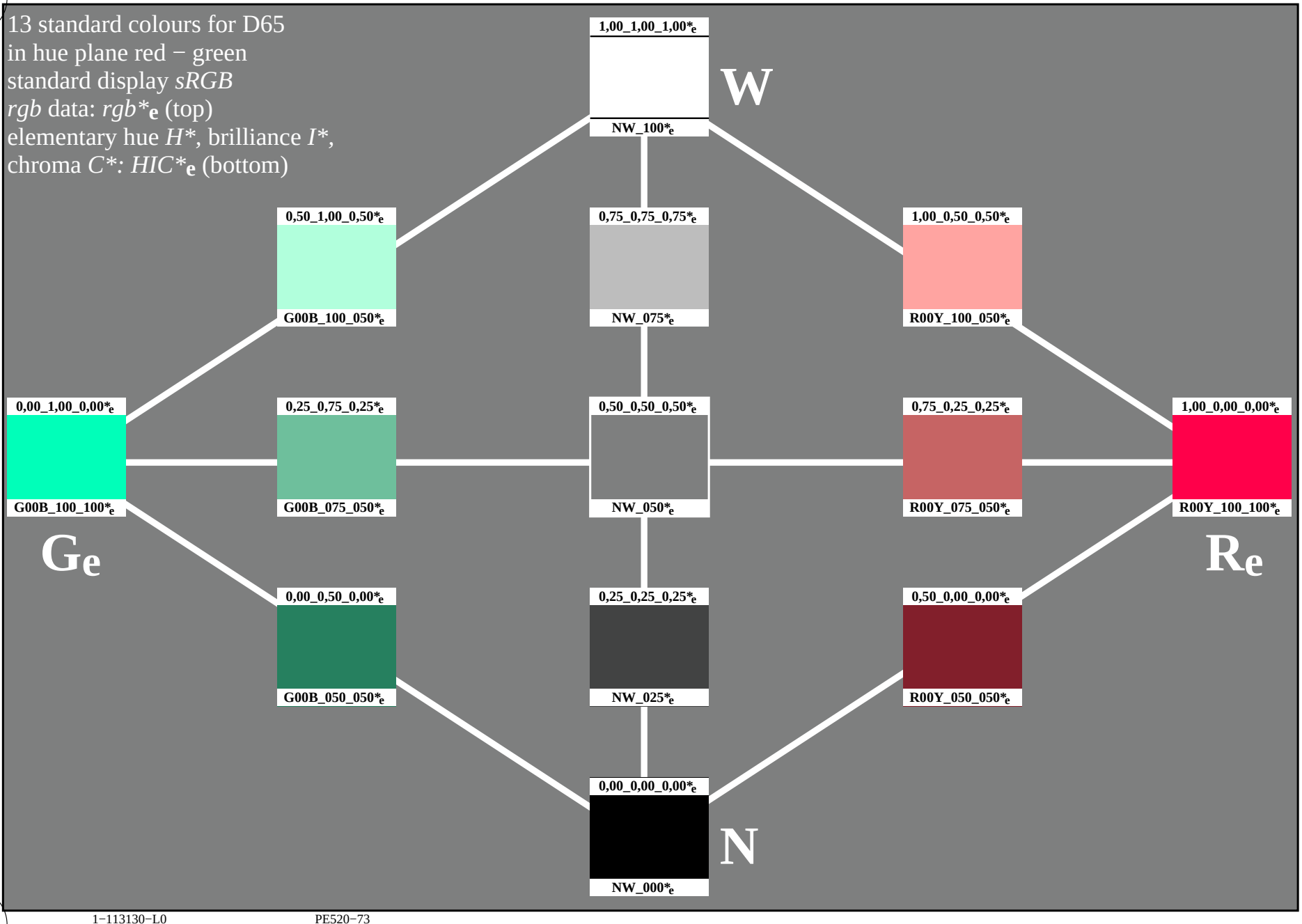


see similar files: http://130.149.60.45/~farbmetrik/PE52/PE52.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

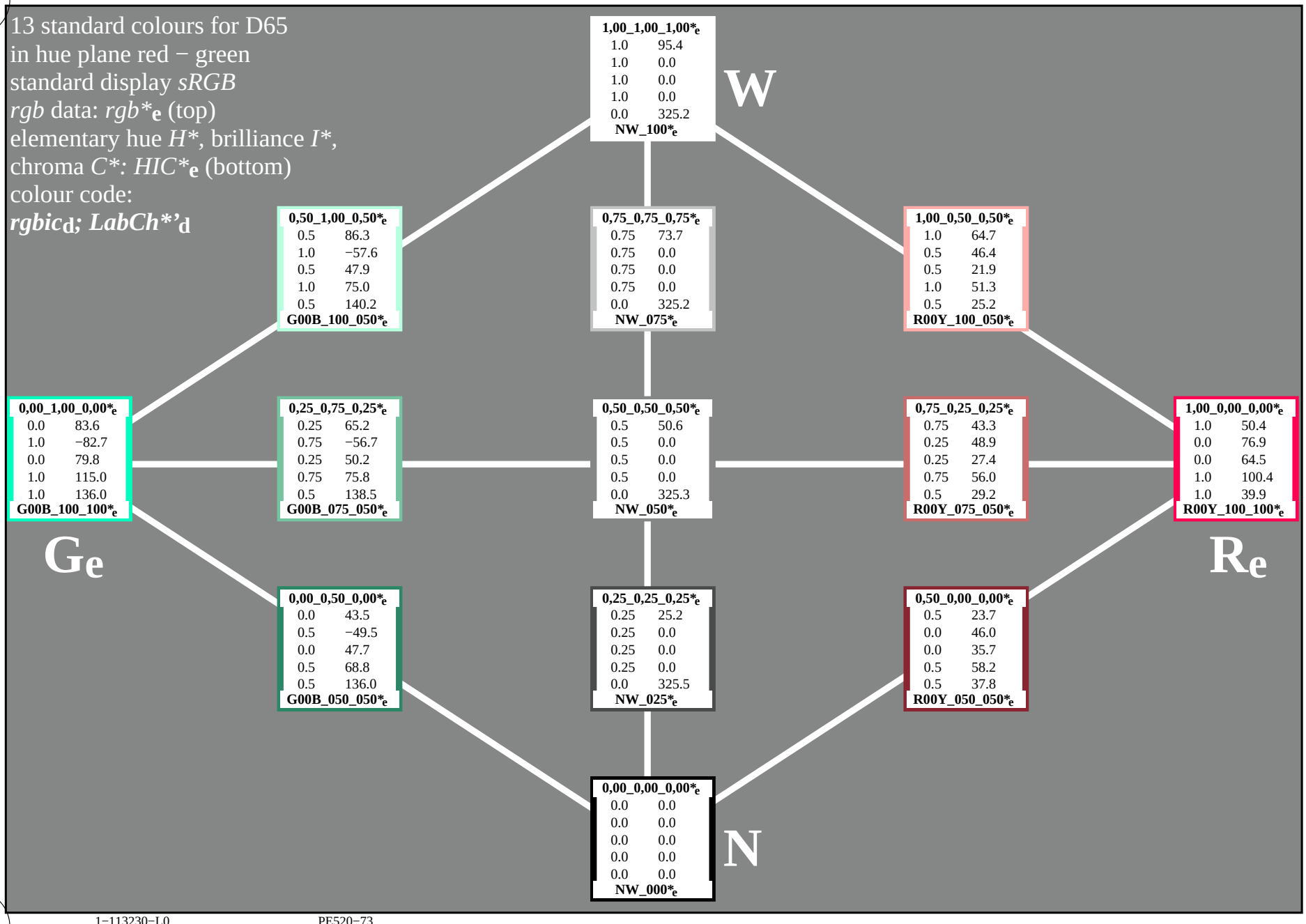
TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS
application for measurement of display output

TUB material: code=rha4ta

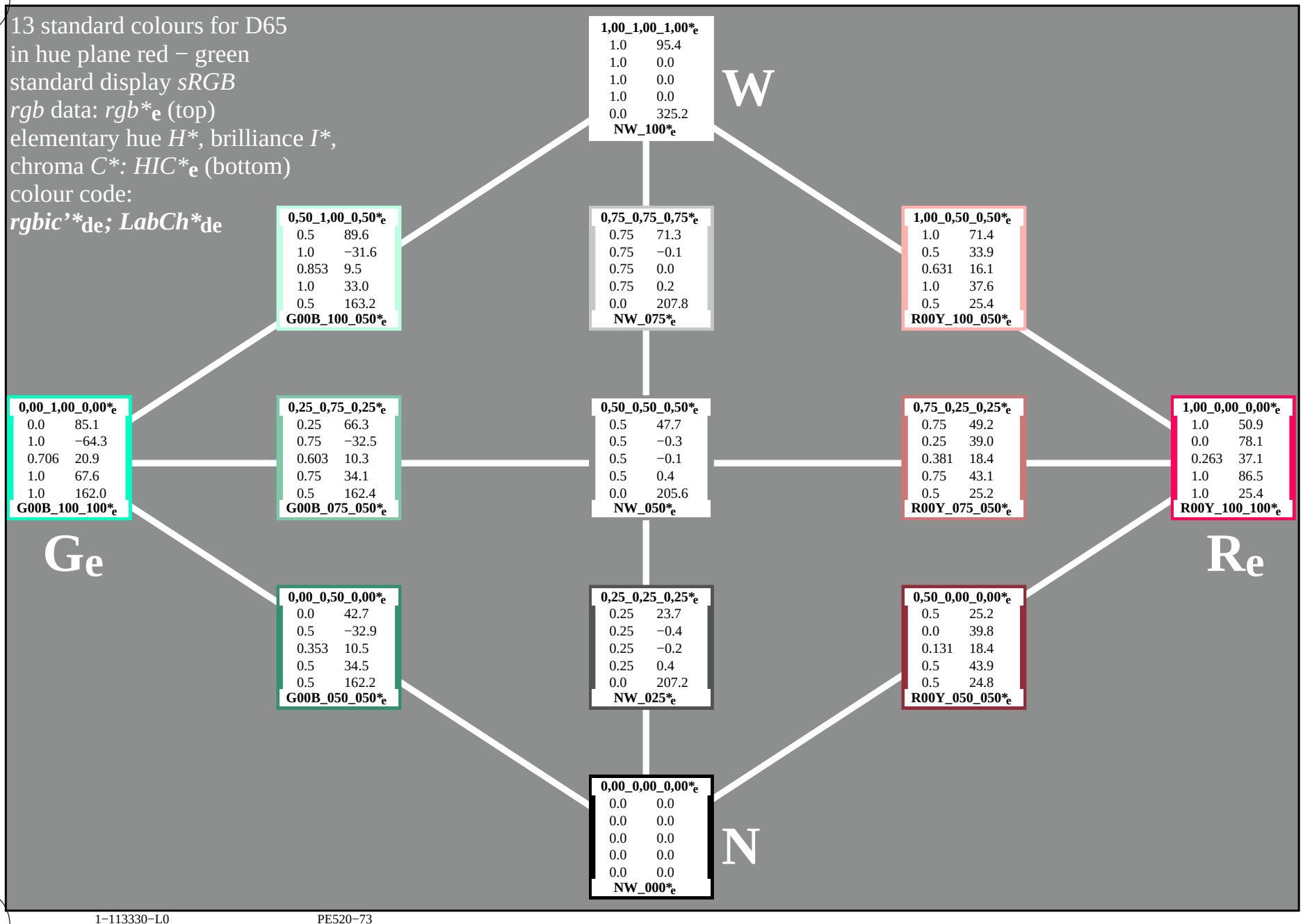
13 standard colours for D65
in hue plane red − green
standard display *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (top)
elementary hue *H**, brilliance *I**,
chroma *C**: *HIC**$_{\mathbf{e}}$ (bottom)



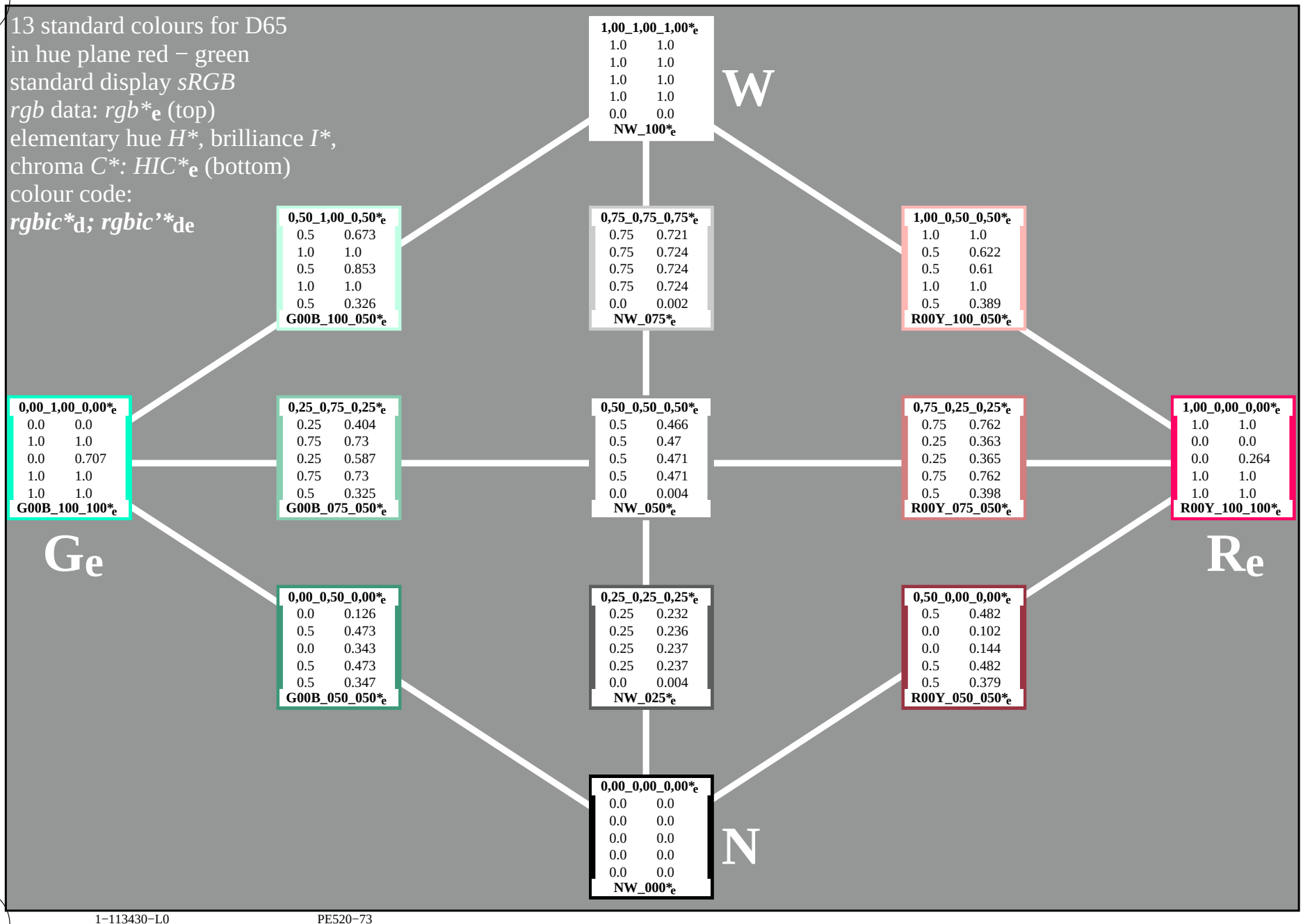
13 standard colours for D65
in hue plane red − green
standard display *sRGB*
rgb data: *rgb**$_{e}$ (top)
elementary hue *H**, brilliance *I**,
chroma *C**: *HIC**$_{e}$ (bottom)
colour code:
***rgbic*$_{d}$*; LabCh*'*$_{d}$



13 standard colours for D65
in hue plane red − green
standard display *sRGB*
rgb data: *rgb**$_{e}$ (top)
elementary hue *H**, brilliance *I**,
chroma *C**: *HIC**$_{e}$ (bottom)
colour code:
***rgbic'**$_{de}$; *LabCh**$_{de}$**



13 standard colours for D65
in hue plane red − green
standard display *sRGB*
rgb data: *rgb**$_{e}$ (top)
elementary hue *H**, brilliance *I**,
chroma *C**: *HIC**$_{e}$ (bottom)
colour code:
***rgbic**$_{d}$; rgbic'**$_{de}$**



TUB-test chart PE52; hue plane red − green
13 standard colours for D65, 3D=1, de=1*

input: *rgb/cmyk −> rgb*$_{de}$
output: 3D-linearization to *rgb**$_{de}$

13 standard colours for D65
in hue plane red − green
standard display *sRGB*
rgb data: *rgb**$_{e}$ (top)
elementary hue *H**, brilliance *I**,
chroma *C**: *HIC**$_{e}$ (bottom)
colour code:
LabCh**$_{de}$; Lab'*/DE'*/h'

	1,00_1,00_1,00*$_e$ 95.4 95.4 0.0 0.0 0.0 0.0 0.0 **0.0** 0.0 325.2 **NW_100*$_e$**	
0,50_1,00_0,50*$_e$ 90.2 89.6 −32.3 −31.6 10.3 9.5 33.9 **1.2** 162.2 163.2 **G00B_100_050*$_e$**	**0,75_0,75_0,75*$_e$** 71.5 71.3 0.0 −0.1 0.0 0.0 0.0 **0.2** 0.0 207.8 **NW_075*$_e$**	**1,00_0,50_0,50*$_e$** 73.1 71.4 39.1 33.9 18.6 16.1 43.3 **5.9** 25.4 25.4 **R00Y_100_050*$_e$**
0,00_1,00_0,00*$_e$ 85.1 85.1 −64.6 −64.3 20.7 20.9 67.9 **0.3** 162.2 162.0 **G00B_100_100*$_e$**	**0,25_0,75_0,25*$_e$** 66.4 66.3 −32.3 −32.5 10.3 10.3 33.9 **0.2** 162.2 162.4 **G00B_075_050*$_e$**	**0,50_0,50_0,50*$_e$** 47.7 47.7 0.0 −0.3 0.0 −0.1 0.0 **0.4** 0.0 205.6 **NW_050*$_e$**	**0,75_0,25_0,25*$_e$** 49.3 49.2 39.1 39.0 18.6 18.4 43.3 **0.2** 25.4 25.2 **R00Y_075_050*$_e$**	**1,00_0,00_0,00*$_e$** 50.9 50.9 78.3 78.1 37.3 37.1 86.7 **0.2** 25.4 25.4 **R00Y_100_100*$_e$**
	0,00_0,50_0,00*$_e$ 42.5 42.7 −32.3 −32.9 10.3 10.5 33.9 **0.6** 162.2 162.2 **G00B_050_050*$_e$**	**0,25_0,25_0,25*$_e$** 23.8 23.7 0.0 −0.4 0.0 −0.2 0.0 **0.4** 0.0 207.2 **NW_025*$_e$**	**0,50_0,00_0,00*$_e$** 25.4 25.2 39.1 39.8 18.6 18.4 43.3 **0.7** 25.4 24.8 **R00Y_050_050*$_e$**	
	0,00_0,00_0,00*$_e$ 0.0 0.0 0.0 0.0 0.0 0.0 0.0 **0.0** 0.0 0.0 **NW_000*$_e$**			

W

Ge

Re

N

see similar files: http://130.149.60.45/~farbmetrik/PE52/PE52.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

n/j	**HIC*$_{Fde}$**	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
1/657	R13Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2	1.0	0.0	0.157	50.6	77.3	51.2	92.8	33.5	0.4	381	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2
2/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0	0.999	0.102	0.0	51.2	74.7	64.8	98.9	40.9	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
3/675	R38Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9	0.999	0.359	0.0	57.6	57.0	67.6	88.4	49.8	0.1	50	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9
4/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8	0.999	0.489	0.0	63.1	42.6	70.7	82.5	58.9	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
5/693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8	1.0	0.588	0.0	68.1	30.4	73.7	79.8	67.5	0.4	65	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8
6/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7	1.0	0.682	0.0	73.3	18.4	77.1	79.3	76.5	0.5	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
7/711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5	1.0	0.766	0.0	78.2	7.7	80.4	80.8	84.4	0.2	77	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5
8/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
9/639	Y13G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4	1.0	0.966	0.0	90.5	−16.7	89.1	90.7	100.6	0.3	88	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4
10/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6	0.906	1.0	0.0	90.9	−30.0	88.7	93.6	108.6	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
11/477	Y38G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9	0.742	0.999	0.0	88.4	−45.6	85.7	97.0	118.0	0.1	104	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9
12/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2	0.53	0.999	0.0	85.9	−63.0	82.7	104.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
13/315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5	0.005	1.0	0.072	83.6	−82.3	78.4	113.7	136.4	0.4	153	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5
14/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9	0.0	1.0	0.439	84.1	−75.8	51.4	91.6	145.8	0.1	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
15/153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0	0.0	1.0	0.594	84.6	−69.9	34.2	77.8	153.9	0.2	186	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0
16/72	G00C_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
17/73	G13C_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6	0.0	1.0	0.779	85.5	−60.3	12.3	61.5	168.4	0.3	197	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6
18/74	G25C_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0	0.0	1.0	0.841	85.8	−56.6	5.0	56.9	174.8	0.4	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
19/75	G38C_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3	0.0	1.0	0.901	86.2	−52.8	−2.0	52.8	182.2	0.4	204	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3
20/76	G50C_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6	0.0	1.0	0.955	86.5	−49.2	−8.4	49.9	189.6	0.6	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
21/77	G63C_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9	0.0	0.997	1.0	86.6	−45.8	−13.8	47.9	196.8	0.1	210	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9
22/78	G75C_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2	0.0	0.959	1.0	83.9	−41.8	−17.9	45.4	203.1	1.0	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
23/79	G88C_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5	0.0	0.925	1.0	81.5	−38.0	−21.5	43.7	209.5	1.1	213	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5
24/80	C00B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
25/71	C13B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3	0.0	0.859	1.0	76.8	−30.5	−28.7	41.9	223.2	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3
26/62	C25B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7	0.0	0.831	1.0	74.8	−27.1	−31.8	41.8	229.5	1.0	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
27/53	C38B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0	0.0	0.797	1.0	72.5	−23.0	−35.4	42.3	236.9	1.0	221	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0
28/44	C50B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3	0.0	0.763	1.0	70.0	−18.7	−39.3	43.5	244.5	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
29/35	C63B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6	0.0	0.726	1.0	67.4	−13.9	−43.3	45.5	252.1	0.7	225	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6
30/26	C75B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9	0.0	0.686	1.0	64.6	−8.7	−47.7	48.5	259.6	1.1	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
31/17	C88B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3	0.0	0.65	1.0	62.0	−3.7	−51.8	51.9	265.9	0.7	230	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3
32/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
33/89	B13M_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3	0.0	0.557	1.0	55.6	9.6	−62.0	62.7	278.8	1.0	236	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3
34/170	B25M_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0	0.0	0.502	1.0	51.9	18.0	−68.0	70.4	284.8	0.3	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
35/251	B38M_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5	0.0	0.407	1.0	45.8	32.6	−78.0	84.5	292.7	0.6	246	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5
36/332	B50M_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1	0.0	0.272	1.0	38.2	52.8	−90.5	104.8	300.2	0.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
37/413	B63M_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7	0.264	0.0	0.999	32.8	76.9	−99.4	125.7	307.7	0.0	284	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7
38/494	B75M_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3	0.637	0.0	1.0	43.1	82.8	−82.0	116.5	315.2	0.1	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
39/575	B88M_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9	0.837	0.0	1.0	50.6	88.6	−69.4	112.5	321.9	0.1	321	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9
40/656	M00R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
41/655	M13R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2	1.0	0.0	0.854	55.3	89.7	−41.4	98.8	335.1	0.2	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2
42/654	M25R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8	1.0	0.0	0.746	54.1	86.6	−28.2	91.1	341.9	0.1	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
43/653	M38R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4	1.0	0.0	0.647	53.2	84.1	−15.6	85.6	349.4	0.3	350	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4
44/652	M50R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0	1.0	0.0	0.616	52.9	83.4	−11.5	84.2	352.1	0.1	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
45/651	M63R_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9	1.0	0.0	0.522	52.2	81.5	1.1	81.5	0.7	0.3	358	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9
46/650	M75R_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8	1.0	0.0	0.431	51.6	80.0	13.7	81.2	9.7	0.6	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
47/649	M88R_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6	1.0	0.0	0.35	51.2	78.9	25.0	82.8	17.6	0.3	369	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6
48/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
49/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
54/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
55/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
56/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
57/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E'**** = **0.4**

n/j	**HIC*Fde**	*rgb*_Fde			*ict*_Fde			h_{si_Fde}	*rgb**Fde			*LabCh**Fde					*rgb'**Fde			*LabCh'**Fde				*DE'**Fde	$h_{siM,de}$	*rgb**Mde			*LabCh**Mde				
0/648	R00Y_100_100de	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
1/666	R25Y_100_100de	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0	0.999	0.102	0.0	51.2	74.7	64.8	98.9	40.9	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
2/684	R50Y_100_100de	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8	0.999	0.489	0.0	63.1	42.6	70.7	82.5	58.9	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
3/702	R75Y_100_100de	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7	1.0	0.682	0.0	73.3	18.4	77.1	79.3	76.5	0.5	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
4/720	Y00G_100_100de	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
5/558	Y25G_100_100de	0.75	1.0	0.0	1.0	1.0	0.5	104	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6	0.906	1.0	0.0	90.9	−30.0	88.7	93.6	108.6	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
6/396	Y50G_100_100de	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2	0.53	0.999	0.0	85.9	−63.0	82.7	104.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
7/234	Y75G_100_100de	0.25	1.0	0.0	1.0	1.0	0.5	136	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9	0.0	1.0	0.439	84.1	−75.8	51.4	91.6	145.8	0.1	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
8/72	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
9/72	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
10/76	G25B_100_100de	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6	0.0	1.0	0.955	86.5	−49.2	−8.4	49.9	189.6	0.6	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
11/80	G50B_100_100de	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
12/44	G75B_100_100de	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3	0.0	0.763	1.0	70.0	−18.7	−39.3	43.5	244.5	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
13/8	B00M_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
14/332	B25R_100_100de	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1	0.0	0.272	1.0	38.2	52.8	−90.5	104.8	300.2	0.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
15/656	B50R_100_100de	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
16/652	B75R_100_100de	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0	1.0	0.0	0.616	52.9	83.4	−11.5	84.2	352.1	0.1	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
17/648	R00Y_100_100de	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
18/688	R00Y_100_050de	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
19/706	R50Y_100_050de	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.743	0.5	79.2	21.3	35.4	41.3	58.8	1.0	0.745	0.545	77.9	16.5	33.4	37.3	63.6	5.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
20/724	Y00G_100_050de	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.928	0.5	89.5	−1.7	42.2	42.2	92.3	1.0	0.925	0.594	88.9	−4.7	41.4	41.7	96.5	3.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
21/562	Y50G_100_050de	0.75	1.0	0.5	1.0	0.5	0.75	120	0.764	1.0	0.5	90.7	−31.5	41.4	52.0	127.2	0.803	1.0	0.607	90.2	−31.1	41.0	51.5	127.1	0.6	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
22/400	G00B_100_050de	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853	90.2	−32.3	10.3	33.9	162.2	0.673	1.0	0.853	89.6	−31.6	9.5	33.0	163.2	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
23/404	G50B_100_050de	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	0.945	1.0	87.2	−17.1	−12.8	21.4	216.9	0.676	0.947	1.0	87.1	−17.5	−12.7	21.7	216.0	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
24/368	B00R_100_050de	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.804	1.0	77.3	0.8	−28.3	28.3	271.7	0.66	0.797	1.0	77.1	0.3	−27.9	27.9	270.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
25/692	B50R_100_050de	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	0.995	76.3	47.0	−28.7	55.1	328.6	1.0	0.645	1.0	75.4	45.0	−29.9	54.1	326.3	2.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
26/688	R00Y_100_050de	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
27/506	R00Y_075_050de	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
28/524	R50Y_075_050de	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.493	0.25	55.4	21.3	35.4	41.3	58.8	0.756	0.487	0.298	55.4	20.9	35.4	41.2	59.3	0.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
29/542	Y00G_075_050de	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.678	0.25	65.7	−1.7	42.2	42.2	92.3	0.745	0.655	0.341	65.6	−1.7	42.1	42.2	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
30/380	Y50G_075_050de	0.5	0.75	0.25	0.75	0.5	0.5	120	0.514	0.75	0.25	66.8	−31.5	41.4	52.0	127.2	0.532	0.728	0.352	66.7	−31.5	41.3	52.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
31/218	G00B_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.603	66.4	−32.3	10.3	33.9	162.2	0.404	0.73	0.587	66.3	−32.5	10.3	34.1	162.4	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
32/222	G50B_075_050de	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.695	0.75	63.3	−17.1	−12.8	21.4	216.9	0.408	0.674	0.726	63.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
33/186	B00R_075_050de	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.554	0.75	53.4	0.8	−28.3	28.3	271.7	0.394	0.538	0.728	53.4	0.4	−28.1	28.1	270.8	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
34/510	B50R_075_050de	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.745	52.4	47.0	−28.7	55.1	328.6	0.743	0.385	0.724	52.4	46.7	−28.6	54.8	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
35/506	R00Y_075_050de	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
36/324	R00Y_050_050de	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
37/342	R50Y_050_050de	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.243	0.0	31.5	21.3	35.4	41.3	58.8	0.48	0.247	0.061	31.5	21.4	36.4	42.2	59.4	0.9	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
38/360	Y00G_050_050de	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.428	0.0	41.8	−1.7	42.2	42.2	92.3	0.476	0.408	0.088	41.9	−1.9	43.0	43.1	92.5	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
39/198	Y50G_050_050de	0.25	0.5	0.0	0.5	0.5	0.25	120	0.264	0.5	0.0	42.9	−31.5	41.4	52.0	127.2	0.273	0.472	0.095	43.0	−32.2	42.2	53.1	127.3	1.0	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
40/36	G00B_050_050de	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.353	42.5	−32.3	10.3	33.9	162.2	0.126	0.473	0.343	42.7	−32.9	10.5	34.5	162.2	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
41/40	G50B_050_050de	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.445	0.5	39.5	−17.1	−12.8	21.4	216.9	0.126	0.424	0.472	39.6	−17.6	−12.9	21.9	216.1	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
42/4	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.304	0.5	29.6	0.8	−28.3	28.3	271.7	0.112	0.3	0.473	29.6	0.1	−28.5	28.5	270.3	0.7	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
43/328	B50R_050_050de	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.495	28.5	47.0	−28.7	55.1	328.6	0.475	0.121	0.469	28.5	47.2	−29.1	55.4	328.3	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
44/324	R00Y_050_050de	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
45/0	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
46/91	NW_013de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
47/182	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
48/273	NW_038de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
49/364	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/455	NW_063de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/546	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/637	NW_088de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/728	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: delta *E' = 0.8**

TUB-test chart PE52; hue plane red − green
colors and differences, Δ*E'**, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

1−113730−F0

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 9/22

n=j	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde				
0	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	B00R_012_012de	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.076	0.125	7.4	0.2	−7.0	7.0	271.7
2	B00R_025_025de	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.152	0.25	14.8	0.4	−14.1	14.1	271.7
3	B00R_037_037de	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.228	0.375	22.2	0.6	−21.2	21.2	271.7
4	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.304	0.5	29.6	0.8	−28.3	28.3	271.7
5	B00R_062_062de	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.38	0.625	37.0	1.0	−35.3	35.3	271.7
6	B00R_075_075de	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.457	0.75	44.4	1.2	−42.4	42.4	271.7
7	B00R_087_087de	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.533	0.875	51.8	1.5	−49.5	49.5	271.7
8	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
9	G00B_012_012de	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.088	10.6	−8.0	2.5	8.4	162.2
10	G50B_012_012de	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.111	0.125	9.8	−4.2	−3.2	5.3	216.9
11	G75B_025_025de	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.19	0.25	17.5	−4.7	−9.9	10.9	244.3
12	G84B_037_037de	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.266	0.375	24.8	−4.7	−17.1	17.8	254.3
13	G88B_050_050de	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.342	0.5	32.2	−4.7	−24.3	24.7	258.9
14	G90B_062_062de	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.418	0.625	39.6	−4.5	−31.4	31.7	261.6
15	G92B_075_075de	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.494	0.75	47.0	−4.3	−38.5	38.7	263.5
16	G93B_087_087de	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.573	0.875	54.6	−4.4	−45.3	45.6	264.4
17	G94B_100_100de	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3
18	G00B_025_025de	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.176	21.2	−16.1	5.1	16.9	162.2
19	G25B_025_025de	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.237	21.6	−12.4	−2.1	12.6	189.6
20	G50B_025_025de	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.222	0.25	19.7	−8.5	−6.4	10.7	216.9
21	G65B_037_037de	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.303	0.375	27.4	−9.4	−13.1	16.2	234.3
22	G75B_050_050de	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.381	0.5	35.0	−9.5	−19.8	21.9	244.3
23	G80B_062_062de	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.456	0.625	42.3	−9.4	−27.0	28.6	250.7
24	G84B_075_075de	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.532	0.75	49.7	−9.5	−34.3	35.6	254.3
25	G86B_087_087de	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.608	0.875	57.1	−9.4	−41.5	42.6	257.1
26	G88B_100_100de	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
27	G00B_037_037de	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.264	31.9	−24.2	7.7	25.4	162.2
28	G15B_037_037de	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.33	32.2	−20.3	0.1	20.3	179.5
29	G34B_037_037de	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.368	0.375	32.1	−16.7	−5.9	17.7	199.6
30	G50B_037_037de	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.333	0.375	29.6	−12.8	−9.6	16.0	216.9
31	G61B_050_050de	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.414	0.5	37.3	−13.8	−16.3	21.4	229.7
32	G69B_062_062de	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.495	0.625	45.0	−14.4	−23.0	27.1	237.9
33	G75B_075_075de	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.572	0.75	52.5	−14.2	−29.7	32.9	244.3
34	G79B_087_087de	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.648	0.875	59.9	−14.1	−36.7	39.3	248.9
35	G81B_100_100de	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6
36	G00B_050_050de	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.353	42.5	−32.3	10.3	33.9	162.2
37	G11B_050_050de	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.419	42.9	−28.5	2.4	28.6	175.0
38	G25B_050_050de	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.475	43.2	−24.9	−4.2	25.3	189.6
39	G38B_050_050de	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.479	0.5	41.9	−21.0	−9.4	23.0	204.2
40	G50B_050_050de	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.445	0.5	39.5	−17.1	−12.8	21.4	216.9
41	G59B_062_062de	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.526	0.625	47.2	−18.1	−19.5	26.6	227.0
42	G65B_075_075de	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.606	0.75	54.9	−18.9	−26.3	32.4	234.3
43	G70B_087_087de	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.686	0.875	62.5	−19.2	−32.9	38.1	239.7
44	G75B_100_100de	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
45	G00B_062_062de	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.441	53.2	−40.4	12.9	42.4	162.2
46	G09B_062_062de	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.507	53.5	−36.7	4.9	37.0	172.2
47	G19B_062_062de	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.566	53.9	−33.0	−1.8	33.1	183.2
48	G30B_062_062de	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.623	54.2	−29.0	−8.3	30.1	195.9
49	G40B_062_062de	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.589	0.625	51.7	−25.3	−12.8	28.4	206.9
50	G50B_062_062de	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.556	0.625	49.4	−21.4	−16.1	26.8	216.9
51	G57B_075_075de	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	57.1	−22.4	−22.6	31.9	225.1
52	G63B_087_087de	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.718	0.875	64.9	−23.3	−29.4	37.6	231.5
53	G68B_100_100de	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0
54	G00B_075_075de	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.529	63.8	−48.5	15.5	50.9	162.2
55	G07B_075_075de	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.596	64.2	−44.8	7.5	45.4	170.4
56	G15B_075_075de	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.66	64.5	−40.7	0.3	40.7	179.5
57	G25B_075_075de	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.713	64.9	−37.4	−6.3	37.9	189.6
58	G34B_075_075de	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.736	0.75	64.2	−33.4	−11.9	35.4	199.6
59	G42B_075_075de	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.7	0.75	61.6	−29.5	−16.2	33.7	208.7
60	G50B_075_075de	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.667	0.75	59.3	−25.6	−19.3	32.1	216.9
61	G56B_087_087de	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.747	0.875	66.9	−26.6	−25.9	37.1	224.2
62	G61B_100_100de	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
63	G00B_087_087de	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.617	74.5	−56.5	18.1	59.4	162.2
64	G06B_087_087de	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.688	74.8	−52.7	9.7	53.6	169.5
65	G13B_087_087de	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.748	75.1	−48.9	2.7	49.0	176.8
66	G20B_087_087de	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.804	75.5	−45.5	−4.0	45.7	185.0
67	G29B_087_087de	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.861	75.9	−41.5	−10.4	42.8	194.1
68	G36B_087_087de	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.847	0.875	74.0	−37.7	−15.5	40.7	202.3
69	G43B_087_087de	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.812	0.875	71.6	−34.0	−19.3	39.1	209.6
70	G50B_087_087de	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.778	0.875	69.1	−29.9	−22.5	37.5	216.9
71	G55B_100_100de	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3
72	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
73	G05B_100_100de	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6
74	G11B_100_100de	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
75	G18B_100_100de	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3
76	G25B_100_100de	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
77	G31B_100_100de	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9
78	G38B_100_100de	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
79	G44B_100_100de	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5
80	G50B_100_100de	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

n=j	rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1	0.055	0.084	0.134	6.1	0.8	−9.2	9.2	274.9	2.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
2	0.079	0.16	0.238	14.5	−0.9	−14.6	14.6	266.1	1.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
3	0.102	0.227	0.352	22.0	0.0	−21.6	21.6	269.8	0.8	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
4	0.112	0.3	0.473	29.6	0.1	−28.5	28.5	270.3	0.7	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
5	0.123	0.374	0.596	37.0	0.7	−35.2	35.2	271.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
6	0.08	0.451	0.726	44.4	0.3	−42.3	42.3	270.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
7	0.033	0.53	0.862	51.8	0.9	−49.4	49.4	271.1	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
8	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
9	0.058	0.134	0.099	10.3	−10.2	3.4	10.7	161.2	2.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
10	0.061	0.121	0.133	9.5	−5.3	−3.8	6.5	216.0	1.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
11	0.078	0.191	0.237	17.3	−6.3	−10.2	12.0	238.1	1.6	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
12	0.102	0.261	0.353	24.8	−5.4	−17.4	18.2	252.5	0.7	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
13	0.099	0.334	0.474	32.2	−5.5	−24.6	25.2	257.3	0.8	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
14	0.096	0.41	0.598	39.7	−5.3	−31.2	31.7	260.2	0.8	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
15	0.065	0.488	0.728	47.1	−5.1	−38.3	38.6	262.4	0.7	229	0.0	0.659	1.0	62.7	−5.8	−51.3	51.7	263.5
16	0.0	0.568	0.863	54.5	−4.6	−45.3	45.5	264.1	0.2	229	0.0	0.654	1.0	62.4	−5.0	−51.8	52.1	264.4
17	0.0	0.65	1.0	62.0	−3.7	−51.8	51.9	265.9	0.7	230	0.0	0.649	1.0	62.0	−4.2	−52.3	52.5	265.3
18	0.083	0.239	0.18	21.1	−17.7	5.0	18.4	164.0	1.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
19	0.089	0.239	0.228	21.5	−13.6	−2.3	13.8	189.6	1.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
20	0.084	0.217	0.237	19.6	−10.0	−6.7	12.0	213.8	1.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
21	0.1	0.293	0.353	27.5	−10.4	−13.3	16.9	231.9	0.9	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
22	0.125	0.368	0.473	35.1	−9.7	−19.9	22.2	243.9	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
23	0.101	0.444	0.596	42.3	−10.4	−26.8	28.8	248.7	1.0	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
24	0.059	0.523	0.728	49.7	−10.2	−34.1	35.6	253.2	0.7	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
25	0.0	0.602	0.864	57.0	−9.3	−41.5	42.6	257.3	0.1	227	0.0	0.695	1.0	65.2	−10.8	−47.5	48.7	257.1
26	0.0	0.686	1.0	64.6	−8.7	−47.7	48.5	259.6	1.1	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
27	0.115	0.353	0.259	32.0	−24.9	7.8	26.1	162.5	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
28	0.114	0.353	0.313	32.3	−21.2	0.1	21.2	179.6	0.8	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
29	0.117	0.347	0.351	32.1	−17.4	−6.0	18.4	199.0	0.7	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
30	0.108	0.318	0.351	29.6	−13.8	−9.7	16.9	215.2	1.0	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
31	0.113	0.398	0.474	37.4	−14.3	−16.5	21.8	228.8	0.5	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
32	0.101	0.48	0.597	45.1	−15.2	−22.8	27.4	236.3	0.8	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
33	0.087	0.559	0.726	52.4	−14.9	−29.6	33.2	243.2	0.6	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
34	0.046	0.639	0.861	59.7	−14.2	−36.8	39.5	248.8	0.2	224	0.0	0.74	1.0	68.4	−16.1	−41.9	44.9	248.9
35	0.0	0.726	1.0	67.4	−13.9	−43.3	45.5	252.1	0.7	225	0.0	0.725	1.0	67.4	−14.5	−43.8	46.2	251.6
36	0.126	0.473	0.343	42.7	−32.9	10.5	34.5	162.2	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
37	0.127	0.473	0.401	43.0	−29.0	2.5	29.1	174.9	0.5	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
38	0.127	0.473	0.451	43.4	−25.5	−4.2	25.8	189.4	0.5	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
39	0.123	0.454	0.473	42.0	−21.6	−9.4	23.6	203.6	0.5	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
40	0.126	0.424	0.472	39.6	−17.6	−12.9	21.9	216.1	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
41	0.114	0.508	0.597	47.3	−18.7	−19.2	26.8	225.8	0.5	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
42	0.047	0.591	0.729	54.8	−19.4	−26.3	32.7	233.5	0.5	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
43	0.0	0.677	0.864	62.4	−19.2	−33.0	38.2	239.7	0.1	221	0.0	0.784	1.0	71.5	−21.9	−37.7	43.6	239.7
44	0.0	0.763	1.0	70.0	−18.7	−39.3	43.5	244.5	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
45	0.125	0.596	0.43	53.1	−40.6	12.7	42.5	162.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
46	0.127	0.596	0.492	53.5	−36.7	4.7	37.0	172.6	0.2	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
47	0.126	0.596	0.543	53.8	−33.2	−2.0	33.3	183.4	0.2	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
48	0.138	0.595	0.592	54.1	−29.3	−8.2	30.5	195.7	0.3	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
49	0.109	0.565	0.598	51.7	−25.9	−12.7	28.9	206.1	0.6	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
50	0.126	0.534	0.596	49.4	−21.9	−15.9	27.1	215.9	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
51	0.089	0.619	0.727	57.0	−22.6	−22.7	32.1	225.1	0.2	217	0.0	0.85	1.0	76.2	−29.9	−30.1	42.5	225.1
52	0.0	0.709	0.865	64.8	−23.2	−29.4	37.5	231.7	0.1	219	0.0	0.821	1.0	74.1	−26.7	−33.7	43.0	231.5
53	0.0	0.797	1.0	72.5	−23.0	−35.4	42.3	236.9	1.0	221	0.0	0.796	1.0	72.4	−23.6	−36.4	43.4	237.0
54	0.107	0.726	0.521	63.7	−48.6	15.2	50.9	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
55	0.095	0.726	0.582	64.0	−45.1	7.4	45.8	170.5	0.3	198	0.0	1.0	0.795	85.6	−59.7	10.0	60.6	170.4
56	0.125	0.725	0.639	64.4	−40.8	0.3	40.9	179.4	0.2	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
57	0.088	0.726	0.692	64.7	−37.8	−6.3	38.4	189.5	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
58	0.105	0.713	0.726	64.1	−33.7	−11.9	35.7	199.4	0.3	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
59	0.074	0.679	0.729	61.5	−29.9	−16.2	34.1	208.4	0.4	213	0.0	0.933	1.0	82.1	−39.4	−21.6	44.9	208.7
60	0.104	0.647	0.726	59.1	−25.9	−19.4	32.4	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
61	0.027	0.737	0.863	66.8	−26.7	−26.0	37.3	224.2	0.1	217	0.0	0.854	1.0	76.5	−30.4	−29.6	42.4	224.2
62	0.0	0.831	1.0	74.8	−27.1	−31.8	41.8	229.5	1.0	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
63	0.052	0.861	0.611	74.4	−56.8	18.2	59.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
64	0.039	0.861	0.68	74.7	−53.0	9.8	53.9	169.4	0.3	198	0.0	1.0	0.786	85.5	−60.2	11.1	61.2	169.5
65	0.059	0.861	0.738	75.1	−49.2	2.7	49.3	176.7	0.2	202	0.0	1.0	0.855	85.9	−55.9	3.1	56.0	176.8
66	0.031	0.861	0.794	75.4	−45.7	−4.0	45.9	185.0	0.1	205	0.0	1.0	0.919	86.3	−52.1	−4.5	52.3	185.0
67	0.057	0.861	0.848	75.8	−41.7	−10.5	43.0	194.1	0.2	209	0.0	1.0	0.984	86.7	−47.4	−11.9	48.9	194.1
68	0.01	0.834	0.864	73.9	−37.9	−15.4	40.9	202.2	0.2	211	0.0	0.968	1.0	84.6	−43.0	−17.7	46.6	202.3
69	0.003	0.801	0.866	71.5	−34.0	−19.3	39.1	209.6	0.0	213	0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209.6
70	0.047	0.767	0.863	69.0	−30.1	−22.6	37.7	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
71	0.0	0.859	1.0	76.8	−30.5	−28.7	41.9	223.2	0.5	217	0.0	0.858	1.0	76.8	−30.8	−29.1	42.4	223.3
72	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
73	0.0	1.0	0.779	85.5	−60.3	12.3	61.5	168.4	0.3	197	0.0	1.0	0.778	85.5	−60.7	12.2	61.9	168.6
74	0.0	1.0	0.841	85.8	−56.6	5.0	56.9	174.8	0.4	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
75	0.0	1.0	0.901	86.2	−52.8	−2.0	52.8	182.2	0.4	204	0.0	1.0	0.899	86.2	−53.2	−2.1	53.3	182.3
76	0.0	1.0	0.955	86.5	−49.2	−8.4	49.9	189.6	0.6	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
77	0.0	0.997	1.0	86.6	−45.8	−13.8	47.9	196.8	0.1	210	0.0	0.997	1.0	86.6	−45.9	−13.9	47.9	196.9
78	0.0	0.959	1.0	83.9	−41.8	−17.9	45.4	203.1	1.0	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
79	0.0	0.925	1.0	81.5	−38.0	−21.5	43.7	209.5	1.1	213	0.0	0.924	1.0	81.4	−38.3	−22.6	44.5	210.5
80	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.6**

1−113830−F0

PE520−7N, Page 9/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

see similar files: http://130.149.60.45/~farbmetrik/PE52/PE52.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS   TUB material: code=rha4ta
application for measurement of display output, no separation

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 10/22

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde					rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
81	R00Y_012_012de	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.032	6.3	9.7	4.6	10.8	25.4	0.146	0.043	0.037	5.3	11.5	4.6	12.4	21.9	2.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
82	B50R_012_012de	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.123	7.1	11.7	−7.1	13.7	328.6	0.137	0.052	0.133	6.1	14.1	−8.8	16.6	328.0	3.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
83	B25R_025_025de	0.125	0.0	0.25	0.25	0.25	0.125	300	0.0	0.067	0.25	9.5	13.1	−22.6	26.2	300.1	0.093	0.083	0.24	8.6	14.1	−24.3	28.1	300.2	2.1	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
84	B15R_037_037de	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.165	0.375	17.9	10.1	−28.1	29.9	289.7	0.101	0.173	0.354	17.7	9.4	−28.8	30.3	288.2	0.9	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
85	B11R_050_050de	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.25	0.5	25.9	9.1	−34.1	35.3	285.0	0.129	0.25	0.473	25.9	9.1	−34.4	35.6	284.8	0.2	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
86	B09R_062_062de	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.327	0.625	33.3	8.9	−41.3	42.3	282.1	0.101	0.324	0.597	33.2	8.1	−41.4	42.2	281.0	0.8	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
87	B07R_075_075de	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.404	0.75	40.8	8.7	−48.4	49.2	280.2	0.071	0.401	0.728	40.8	8.0	−48.3	49.0	279.4	0.7	237	0.0	0.539	1.0	54.4	11.7	−64.6	65.6	280.2
88	B06R_087_087de	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.478	0.875	48.1	9.1	−55.8	56.5	279.3	0.0	0.478	0.864	48.1	8.7	−55.7	56.4	278.9	0.3	236	0.0	0.546	1.0	54.9	10.4	−63.8	64.6	279.3
89	B05R_100_100de	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3	0.0	0.557	1.0	55.6	9.6	−62.0	62.7	278.8	1.0	236	0.0	0.554	1.0	55.5	9.2	−63.0	63.6	278.3
90	Y00G_012_012de	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.107	0.0	10.4	−0.4	10.5	10.5	92.3	0.139	0.115	0.038	10.1	−0.3	11.5	11.5	91.7	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
91	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
92	B00R_025_012de	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.201	0.25	19.3	0.2	−7.0	7.0	271.7	0.162	0.197	0.238	19.0	−0.7	−7.5	7.5	264.4	1.0	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
93	B00R_037_025de	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.277	0.375	26.7	0.4	−14.1	14.1	271.7	0.199	0.267	0.353	26.6	−0.3	−14.5	14.5	268.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
94	B00R_050_037de	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.353	0.5	34.1	0.6	−21.2	21.2	271.7	0.232	0.34	0.473	34.1	0.0	−21.5	21.5	270.2	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
95	B00R_062_050de	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.429	0.625	41.5	0.8	−28.3	28.3	271.7	0.261	0.416	0.597	41.5	0.2	−28.1	28.1	270.4	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
96	B00R_075_062de	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.505	0.75	48.9	1.0	−35.3	35.3	271.7	0.282	0.494	0.727	48.9	0.4	−35.1	35.1	270.7	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
97	B00R_087_075de	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.582	0.875	56.3	1.2	−42.4	42.4	271.7	0.294	0.573	0.863	56.2	0.9	−42.5	42.5	271.2	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
98	B00R_100_087de	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.658	1.0	63.7	1.5	−49.5	49.5	271.7	0.304	0.654	1.0	63.5	1.1	−49.3	49.4	271.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
99	Y50G_025_025de	0.125	0.25	0.0	0.25	0.25	0.125	120	0.132	0.25	0.0	21.4	−15.7	20.7	26.0	127.2	0.15	0.238	0.071	21.4	−16.8	21.9	27.6	127.4	1.6	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
100	G00B_025_012de	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.213	22.5	−8.0	2.5	8.4	162.2	0.165	0.239	0.208	22.4	−9.1	2.3	9.4	165.6	1.0	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
101	G50B_025_012de	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.236	0.25	21.8	−4.2	−3.2	5.3	216.9	0.167	0.226	0.237	21.6	−5.1	−3.5	6.2	214.5	0.9	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
102	G75B_037_025de	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.315	0.375	29.4	−4.7	−9.9	10.9	244.3	0.199	0.301	0.352	29.3	−5.8	−10.2	11.7	240.2	1.1	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
103	G84B_050_037de	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.391	0.5	36.8	−4.7	−17.1	17.8	254.3	0.235	0.375	0.474	36.8	−5.1	−17.3	18.1	253.5	0.4	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
104	G88B_062_050de	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.467	0.625	44.2	−4.7	−24.3	24.7	258.9	0.256	0.453	0.598	44.2	−5.4	−24.1	24.7	257.3	0.6	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
105	G90B_075_062de	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.543	0.75	51.6	−4.5	−31.4	31.7	261.6	0.273	0.531	0.729	51.6	−5.1	−31.3	31.7	260.6	0.6	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
106	G92B_087_075de	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.619	0.875	59.0	−4.3	−38.5	38.7	263.5	0.287	0.61	0.864	58.8	−4.5	−38.7	38.9	263.3	0.2	229	0.0	0.659	1.0	62.7	−5.8	−51.3	51.7	263.5
107	G93B_100_087de	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.698	1.0	66.5	−4.4	−45.3	45.6	264.4	0.294	0.696	1.0	66.3	−4.9	−45.0	45.2	263.6	0.7	229	0.0	0.654	1.0	62.4	−5.0	−51.8	52.1	264.4
108	Y68G_037_037de	0.125	0.375	0.0	0.375	0.375	0.187	131	0.0	0.375	0.102	31.4	−30.0	25.1	39.1	140.0	0.125	0.354	0.133	31.5	−30.4	25.4	39.7	140.1	0.5	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
109	G00B_037_025de	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.301	33.2	−16.1	5.1	16.9	162.2	0.203	0.354	0.289	33.1	−17.2	5.0	17.9	163.7	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
110	G25B_037_025de	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.362	33.5	−12.4	−2.1	12.6	189.6	0.208	0.353	0.341	33.5	−13.4	−2.3	13.6	189.7	1.0	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
111	G50B_037_025de	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.347	0.375	31.6	−8.5	−6.4	10.7	216.9	0.204	0.329	0.351	31.6	−9.6	−6.7	11.7	214.7	1.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
112	G65B_050_037de	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.428	0.5	39.4	−9.4	−13.1	16.2	234.3	0.237	0.41	0.474	39.5	−10.0	−13.2	16.6	232.9	0.5	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
113	G75B_062_050de	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.506	0.625	46.9	−9.5	−19.8	21.9	244.3	0.266	0.489	0.596	47.0	−10.1	−19.6	22.0	242.7	0.6	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
114	G80B_075_062de	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.581	0.75	54.2	−9.4	−27.0	28.6	250.7	0.28	0.566	0.726	54.1	−9.9	−26.9	28.7	249.8	0.4	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
115	G84B_087_075de	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.657	0.875	61.6	−9.5	−34.3	35.6	254.3	0.287	0.648	0.864	61.5	−9.7	−34.4	35.8	254.2	0.2	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
116	G86B_100_087de	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.733	1.0	69.0	−9.4	−41.5	42.6	257.1	0.29	0.733	1.0	68.8	−10.0	−41.0	42.2	256.2	0.7	227	0.0	0.695	1.0	65.2	−10.8	−47.5	48.7	257.1
117	Y76G_050_050de	0.125	0.5	0.0	0.5	0.5	0.25	136	0.0	0.5	0.218	42.0	−38.0	25.7	45.9	145.9	0.131	0.474	0.226	42.2	−38.6	26.1	46.6	145.8	0.7	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
118	G00B_050_037de	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.389	43.8	−24.2	7.7	25.4	162.2	0.245	0.475	0.375	44.0	−24.6	7.8	25.8	162.3	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
119	G15B_050_037de	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.455	44.2	−20.3	0.1	20.3	179.5	0.248	0.474	0.431	44.3	−20.9	0.1	20.9	179.6	0.5	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
120	G34B_050_037de	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.493	0.5	44.0	−16.7	−5.9	17.7	199.6	0.251	0.468	0.472	44.1	−17.1	−5.9	18.1	199.2	0.4	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
121	G50B_050_037de	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.458	0.5	41.5	−12.8	−9.6	16.0	216.9	0.243	0.437	0.472	41.6	−13.4	−9.7	16.6	215.9	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
122	G61B_062_050de	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.539	0.625	49.3	−13.8	−16.3	21.4	229.7	0.264	0.52	0.597	49.3	−14.4	−16.1	21.6	228.3	0.5	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
123	G69B_075_062de	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.62	0.75	57.0	−14.4	−23.0	27.1	237.9	0.28	0.603	0.728	56.8	−14.7	−23.0	27.3	237.4	0.3	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
124	G75B_087_075de	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.697	0.875	64.4	−14.2	−29.7	32.9	244.3	0.299	0.687	0.862	64.3	−14.5	−29.8	33.2	244.0	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
125	G79B_100_087de	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.773	1.0	71.8	−14.1	−36.7	39.3	248.9	0.311	0.772	1.0	71.7	−14.4	−36.6	39.3	248.4	0.3	224	0.0	0.74	1.0	68.4	−16.1	−41.9	44.9	248.9
126	Y81G_062_062de	0.125	0.625	0.0	0.625	0.625	0.312	139	0.0	0.625	0.32	52.7	−45.8	27.1	53.2	149.4	0.13	0.596	0.319	52.6	−46.1	27.1	53.5	149.5	0.3	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
127	G00B_062_050de	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.478	54.5	−32.3	10.3	33.9	162.2	0.269	0.598	0.463	54.4	−32.6	10.0	34.1	162.8	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
128	G11B_062_050de	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.544	54.8	−28.5	2.4	28.6	175.0	0.272	0.598	0.523	54.7	−28.8	2.2	28.8	175.6	0.3	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
129	G25B_062_050de	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.6	55.2	−24.9	−4.2	25.3	189.6	0.276	0.597	0.574	55.1	−25.3	−4.3	25.6	189.6	0.3	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
130	G38B_062_050de	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.604	0.625	53.8	−21.0	−9.4	23.0	204.2	0.274	0.578	0.597	53.8	−21.4	−9.4	23.4	203.6	0.4	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
131	G50B_062_050de	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.57	0.625	51.4	−17.1	−12.8	21.4	216.9	0.271	0.547	0.595	51.4	−17.7	−12.7	21.8	215.7	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
132	G59B_075_062de	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.651	0.75	59.2	−18.1	−19.5	26.6	227.0	0.285	0.632	0.727	59.0	−18.3	−19.6	26.9	226.8	0.2	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
133	G65B_087_075de	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.731	0.875	66.9	−18.9	−26.3	32.4	234.3	0.29	0.721	0.865	66.7	−19.1	−26.4	32.6	234.0	0.3	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
134	G70B_100_087de	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.811	1.0	74.5	−19.2	−32.9	38.1	239.7	0.299	0.811	1.0	74.3	−19.8	−32.5	38.0	238.6	0.8	221	0.0	0.784	1.0	71.5	−21.9	−37.7	43.6	239.7
135	Y85G_075_075de	0.125	0.75	0.0	0.75	0.75	0.375	141	0.0	0.75	0.414	63.3	−53.8	28.9	61.1	151.7	0.112	0.726	0.413	63.3	−54.0	28.7	61.1	152.0	0.2	183	0.0	1.0	0.553	84.5	−71.8	38.6	81.5	151.7
136	G00B_075_062de	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.566	65.1	−40.4	12.9	42.4	162.2	0.291	0.729	0.554	65.0	−40.7	12.7	42.6	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
137	G09B_075_062de	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.632	65.4	−36.7	4.9	37.0	172.2	0.292	0.728	0.615	65.3	−37.0	5.0	37.3	172.3	0.3	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
138	G19B_075_062de	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.691	65.8	−33.0	−1.8	33.1	183.2	0.296	0.728	0.67	65.7	−33.4	−1.8	33.4	183.2	0.3	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
139	G30B_075_062de	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.748	66.2	−29.0	−8.3	30.1	195.9	0.305	0.726	0.722	66.0	−29.4	−8.3	30.6	195.8	0.4	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
140	G40B_075_062de	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.714	0.75	63.7	−25.3	−12.8	28.4	206.9	0.291	0.693	0.728	63.5	−25.7	−12.9	28.7	206.6	0.4	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
141	G50B_075_062de	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.681	0.75	61.3	−21.4	−16.1	26.8	216.9	0.294	0.661	0.726	61.1	−21.7	−16.2	27.1	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
142	G57B_087_075de	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	69.1	−22.4	−22.6	31.9	225.1	0.303	0.752	0.863	69.0	−22.6	−22.7	32.1	225.1	0.2	217	0.0	0.85	1.0	76.2	−29.9	−30.1	42.5	225.1
143	G63B_100_087de	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.843	1.0	76.8	−23.3	−29.4	37.6	231.5	0.298	0.845	1.0	76.7	−24.0	−28.9	37.5	230.2	0.8	219	0.0	0.821	1.0	74.1	−26.7	−33.7	43.0	231.5
144	Y86G_087_087de	0.125	0.875	0.0	0.875	0.875	0.437	142	0.0	0.875	0.501	74.0	−62.1	31.7	69.7	152.9	0.066	0.861	0.502	73.9	−62.2	31.4	69.7	153.1	0.3	184	0.0	1.0	0.573	84.6	−70.9	36.3	79.7	152.9
145	G00B_087_075de	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.654	75.7	−48.5	15.5	50.9	162.2	0.307	0.864	0.646	75.7	−48.8	15.6	51.3	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
146	G07B_087_075de	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.721	76.1	−44.8	7.5	45.4	170.4	0.306	0.864	0.712	76.0	−45.2	7.6	45.9	170.4	0.4	198	0.0	1.0	0.795	85.6	−59.7	10.0	60.6	170.4
147	G15B_087_075de	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.785	76.4	−40.7	0.3	40.7	179.5	0.318	0.863	0.772	76.3	−41.0	0.2	41.0	179.5	0.3	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
148	G25B_087_075de	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.838	76.8	−37.4	−6.3	37.9	189.6	0.312	0.863	0.827	76.7	−37.8	−6.3	38.3	189.5	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
149	G34B_087_075de	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.861	0.875	76.1	−33.4	−11.9	35.4	199.6	0.319	0.85	0.862	76.0	−33.7	−11.9	35.7	199.5	0.3	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
150	G42B_087_075de	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.825	0.875	73.5	−29.5	−16.2	33.7	208.7	0.305	0.814	0.865	73.4	−29.9	−16.2	34.0	208.5	0.3	213	0.0	0.933	1.0	82.1	−39.4	−21.6	44.9	208.7
151	G50B_087_075de	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.792	0.875	71.2	−25.6	−19.3	32.1	216.9	0.312	0.781	0.863	71.1	−25.9	−19.4	32.3	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
152	G56B_100_087de	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.872	1.0	78.9	−26.6	−25.9	37.1	224.2	0.315	0.874	1.0	78.8	−26.9	−25.6	37.2	223.6	0.4	217	0.0	0.854	1.0	76.5	−30.4	−29.6	42.4	224.2
153	Y88G_100_100de	0.125	1.0	0.0	1.0	1.0	0.5	143	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0	0.0	1.0	0.594	84.6	−69.9	34.2	77.8	153.9	0.2	186	0.0	1.0	0.593	84.6	−70.0	34.0	77.9	154.0
154	G00B_100_087de	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.742	86.4	−56.5	18.1	59.4	162.2	0.32	1.0	0.744	86.1	−56.4	17.8	59.1	162.4	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
155	G06B_100_087de	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.813	86.7	−52.7	9.7	53.6	169.5	0.318	1.0	0.815	86.4	−52.6	9.3	53.4	169.8	0.4	198	0.0	1.0	0.786	85.5	−60.2	11.1	61.2	169.5
156	G13B_100_087de	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.873	87.1	−48.9	2.7	49.0	176.8	0.329	1.0	0.874	86.8	−48.8	2.4	48.8	177.1	0.3	202	0.0	1.0	0.855	85.9	−55.9	3.1	56.0	176.8
157	G20B_100_087de	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.929	87.4	−45.5	−4.0	45.7	185.0	0.322	1.0	0.932	87.1	−45.4	−4.4	45.7	185.5	0.4	205	0.0	1.0	0.919	86.3	−52.1	−4.5	52.3	185.0
158	G29B_100_087de	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.986	87.8	−41.5	−10.4	42.8	194.1	0.338	1.0	0.987	87.6	−41.3	−10.7	42.7	194.6	0.3	209	0.0	1.0	0.984	86.7	−47.4	−11.9	48.9	194.1
159	G36B_100_087de	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	0.972	1.0	85.9	−37.7	−15.5	40.7	202.3	0.323	0.974	1.0	85.8	−38.2	−14.9	41.0	201.3	0.7	211	0.0	0.968	1.0	84.6	−43.0	−17.7	46.6	202.3
160	G43B_100_087de	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	0.937	1.0	83.5	−34.0	−19.3	39.1	209.6	0.313	0.94	1.0	83.4	−34.7	−18.6	39.4	208.2	1.0	213	0.0	0.929	1.0	81.8	−38.8	−22.1	44.7	209.6
161	G50B_100_087de	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	0.903	1.0	81.1	−29.9	−22.5	37.5	216.9	0.322	0.905	1.0	81.0	−30.4	−22.2	37.7	216.2	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.6**

1−113930−F0

PE520−7N, Page 10/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

see similar files: http://130.149.60.45/~farbmetrik/PE52/PE52.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 11/22

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde				
162	R00Y_025_025de	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.065	12.7	19.5	9.3	21.6	25.4
163	R00Y_025_025de	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.154	13.2	20.9	−2.9	21.1	352.0
164	B50R_025_025de	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.247	14.2	23.5	−14.3	27.5	328.6
165	B34R_037_037de	0.25	0.0	0.375	0.375	0.375	0.187	311	0.166	0.0	0.375	13.9	29.6	−34.5	45.5	310.5
166	B25R_050_050de	0.25	0.0	0.5	0.5	0.5	0.25	300	0.0	0.135	0.5	19.1	26.3	−45.3	52.4	300.1
167	B19R_062_062de	0.25	0.0	0.625	0.625	0.625	0.312	293	0.0	0.245	0.625	28.0	21.7	−49.8	54.3	293.5
168	B15R_075_075de	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.33	0.75	35.9	20.2	−56.2	59.8	289.7
169	B13R_087_087de	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.416	0.875	43.9	18.9	−62.2	65.0	286.9
170	B11R_100_100de	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
171	R50Y_025_025de	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.121	0.0	15.7	10.6	17.7	20.6	58.8
172	R00Y_025_012de	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.157	18.2	9.7	4.6	10.8	25.4
173	B50R_025_012de	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.248	19.0	11.7	−7.1	13.7	328.6
174	B25R_037_025de	0.25	0.125	0.375	0.375	0.25	0.25	300	0.124	0.192	0.375	21.4	13.1	−22.6	26.2	300.1
175	B15R_050_037de	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.29	0.5	29.9	10.1	−28.1	29.9	289.7
176	B11R_062_050de	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.375	0.625	37.8	9.1	−34.1	35.3	285.0
177	B09R_075_062de	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.452	0.75	45.3	8.9	−41.3	42.3	282.1
178	B07R_087_075de	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.529	0.875	52.7	8.7	−48.4	49.2	280.2
179	B06R_100_087de	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.603	1.0	60.0	9.1	−55.8	56.5	279.3
180	Y00G_025_025de	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.214	0.0	20.9	−0.8	21.1	21.1	92.3
181	Y00G_025_012de	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.232	0.124	22.3	−0.4	10.5	10.5	92.3
182	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0
183	B00R_037_012de	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.326	0.375	31.2	0.2	−7.0	7.0	271.7
184	B00R_050_025de	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.402	0.5	38.6	0.4	−14.1	14.1	271.7
185	B00R_062_037de	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.478	0.625	46.0	0.6	−21.2	21.2	271.7
186	B00R_075_050de	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.554	0.75	53.4	0.8	−28.3	28.3	271.7
187	B00R_087_062de	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.63	0.875	60.8	1.0	−35.3	35.3	271.7
188	B00R_100_075de	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.707	1.0	68.2	1.2	−42.4	42.4	271.7
189	Y31G_037_037de	0.25	0.375	0.0	0.375	0.375	0.187	109	0.302	0.375	0.0	33.5	−14.8	32.6	35.8	114.4
190	Y50G_037_025de	0.25	0.375	0.125	0.375	0.25	0.25	120	0.257	0.375	0.124	33.4	−15.7	20.7	26.0	127.2
191	G00B_037_012de	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.338	34.4	−8.0	2.5	8.4	162.2
192	G50B_037_012de	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.361	0.375	33.7	−4.2	−3.2	5.3	216.9
193	G75B_050_025de	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.44	0.5	41.3	−4.7	−9.9	10.9	244.3
194	G84B_062_037de	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.516	0.625	48.7	−4.7	−17.1	17.8	254.3
195	G88B_075_050de	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.592	0.75	56.1	−4.7	−24.3	24.7	258.9
196	G90B_087_062de	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.668	0.875	63.5	−4.5	−31.4	31.7	261.6
197	G92B_100_075de	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.744	1.0	70.9	−4.3	−38.5	38.7	263.5
198	Y50G_050_050de	0.25	0.5	0.0	0.5	0.5	0.25	120	0.264	0.5	0.0	42.9	−31.5	41.4	52.0	127.2
199	Y68G_050_037de	0.25	0.5	0.125	0.5	0.375	0.312	131	0.124	0.5	0.227	43.3	−30.0	25.1	39.1	140.0
200	G00B_050_025de	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.426	45.1	−16.1	5.1	16.9	162.2
201	G25B_050_025de	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.487	45.4	−12.4	−2.1	12.6	189.6
202	G50B_050_025de	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.472	0.5	43.6	−8.5	−6.4	10.7	216.9
203	G65B_062_037de	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.553	0.625	51.3	−9.4	−13.1	16.2	234.3
204	G75B_075_050de	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.631	0.75	58.8	−9.5	−19.8	21.9	244.3
205	G80B_087_062de	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.706	0.875	66.1	−9.4	−27.0	28.6	250.7
206	G84B_100_075de	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.782	1.0	73.6	−9.5	−34.3	35.6	254.3
207	Y61G_062_062de	0.25	0.625	0.0	0.625	0.625	0.312	127	0.082	0.625	0.0	52.3	−50.8	50.0	71.3	135.4
208	Y76G_062_050de	0.25	0.625	0.125	0.625	0.5	0.375	136	0.125	0.625	0.343	54.0	−38.0	25.7	45.9	145.9
209	G00B_062_037de	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.514	55.7	−24.2	7.7	25.4	162.2
210	G15B_062_037de	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.58	56.1	−20.3	0.1	20.3	179.5
211	G34B_062_037de	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.618	0.625	55.9	−16.7	−5.9	17.7	199.6
212	G50B_062_037de	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.583	0.625	53.5	−12.8	−9.6	16.0	216.9
213	G61B_075_050de	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.664	0.75	61.2	−13.8	−16.3	21.4	229.7
214	G69B_087_062de	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.745	0.875	68.9	−14.4	−23.0	27.1	237.9
215	G75B_100_075de	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.822	1.0	76.3	−14.2	−29.7	32.9	244.3
216	Y68G_075_075de	0.25	0.75	0.0	0.75	0.75	0.375	131	0.0	0.75	0.204	62.8	−60.1	50.2	78.3	140.0
217	Y81G_075_062de	0.25	0.75	0.125	0.75	0.625	0.437	139	0.125	0.75	0.445	64.6	−45.8	27.1	53.2	149.4
218	G00B_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.603	66.4	−32.3	10.3	33.9	162.2
219	G11B_075_050de	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.669	66.7	−28.5	2.4	28.6	175.0
220	G25B_075_050de	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.725	67.1	−24.9	−4.2	25.3	189.6
221	G38B_075_050de	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.729	0.75	65.8	−21.0	−9.4	23.0	204.2
222	G50B_075_050de	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.695	0.75	63.3	−17.1	−12.8	21.4	216.9
223	G59B_087_062de	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.776	0.875	71.1	−18.1	−19.5	26.6	227.0
224	G65B_100_075de	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.856	1.0	78.8	−18.9	−26.3	32.4	234.3
225	Y73G_087_087de	0.25	0.875	0.0	0.875	0.875	0.437	134	0.0	0.875	0.335	73.5	−67.9	50.0	84.3	143.5
226	Y85G_087_075de	0.25	0.875	0.125	0.875	0.75	0.5	141	0.125	0.875	0.539	75.3	−53.8	28.9	61.1	151.7
227	G00B_087_062de	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.691	77.0	−40.4	12.9	42.4	162.2
228	G09B_087_062de	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.757	77.4	−36.7	4.9	37.0	172.2
229	G19B_087_062de	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.816	77.7	−33.0	−1.8	33.1	183.2
230	G30B_087_062de	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.873	78.1	−29.0	−8.3	30.1	195.9
231	G40B_087_062de	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.839	0.875	75.6	−25.3	−12.8	28.4	206.9
232	G50B_087_062de	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.806	0.875	73.2	−21.4	−16.1	26.8	216.9
233	G57B_100_075de	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	81.0	−22.4	−22.6	31.9	225.1
234	Y76G_100_100de	0.25	1.0	0.0	1.0	1.0	0.5	136	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
235	Y86G_100_087de	0.25	1.0	0.125	1.0	0.875	0.562	142	0.125	1.0	0.626	85.9	−62.1	31.7	69.7	152.9
236	G00B_100_075de	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.779	87.7	−48.5	15.5	50.9	162.2
237	G07B_100_075de	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.846	88.0	−44.8	7.5	45.4	170.4
238	G15B_100_075de	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.91	88.4	−40.7	0.3	40.7	179.5
239	G25B_100_075de	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.963	88.7	−37.4	−6.3	37.9	189.6
240	G34B_100_075de	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	0.986	1.0	88.0	−33.4	−11.9	35.4	199.6
241	G42B_100_075de	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	0.95	1.0	85.4	−29.5	−16.2	33.7	208.7
242	G50B_100_075de	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	0.917	1.0	83.1	−25.6	−19.3	32.1	216.9

n	rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
162	0.248	0.077	0.076	12.1	20.4	10.6	23.0	27.4	1.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
163	0.241	0.08	0.162	12.6	21.8	−4.0	22.2	349.6	1.5	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
164	0.241	0.086	0.237	13.7	24.5	−15.3	28.9	327.9	1.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
165	0.187	0.069	0.353	13.1	30.7	−36.1	47.4	310.3	2.0	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
166	0.131	0.148	0.474	18.9	26.6	−46.0	53.1	300.0	0.7	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
167	0.129	0.248	0.597	28.0	21.5	−49.8	54.2	293.3	0.2	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
168	0.078	0.33	0.728	35.7	19.6	−56.4	59.8	289.2	0.5	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
169	0.043	0.417	0.862	44.0	18.4	−62.1	64.8	286.5	0.5	241	0.0	0.476	1.0	50.2	21.6	−71.1	74.3	286.9
170	0.0	0.502	1.0	51.9	18.0	−68.0	70.4	284.8	0.3	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
171	0.247	0.138	0.042	15.6	10.4	19.2	21.9	61.4	1.5	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
172	0.247	0.163	0.16	18.0	9.4	4.3	10.4	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
173	0.239	0.168	0.237	18.8	11.6	−7.6	13.8	326.6	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
174	0.206	0.192	0.355	21.0	12.8	−23.5	26.7	298.6	0.9	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
175	0.235	0.281	0.475	29.8	9.7	−28.5	30.1	288.7	0.5	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
176	0.266	0.363	0.597	37.8	8.7	−34.1	35.2	284.3	0.4	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
177	0.278	0.441	0.729	45.2	8.2	−41.2	42.0	281.2	0.6	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
178	0.29	0.522	0.865	52.7	8.2	−48.4	49.1	279.6	0.5	237	0.0	0.539	1.0	54.4	11.7	−64.6	65.6	280.2
179	0.295	0.6	1.0	59.8	8.5	−55.3	55.9	278.7	0.8	236	0.0	0.546	1.0	54.9	10.4	−63.8	64.6	279.3
180	0.24	0.207	0.065	20.7	−1.5	22.6	22.6	93.8	1.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
181	0.24	0.221	0.158	22.2	−1.0	10.4	10.5	95.4	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
182	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
183	0.276	0.308	0.352	31.1	−0.4	−7.3	7.3	266.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
184	0.32	0.382	0.473	38.6	0.0	−14.4	14.4	269.8	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
185	0.359	0.459	0.597	46.0	0.0	−21.0	21.0	270.0	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
186	0.394	0.538	0.728	53.4	0.4	−28.1	28.1	270.8	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
187	0.424	0.617	0.864	60.7	1.0	−35.5	35.5	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
188	0.45	0.701	1.0	68.1	0.9	−42.1	42.1	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
189	0.292	0.35	0.089	33.4	−15.5	33.4	36.9	114.9	1.0	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
190	0.264	0.353	0.185	33.4	−16.5	21.0	26.7	128.0	0.8	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
191	0.279	0.353	0.32	34.4	−8.7	2.4	9.1	164.6	0.7	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
192	0.281	0.34	0.351	33.6	−4.9	−3.4	6.0	215.0	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
193	0.321	0.419	0.472	41.3	−5.4	−10.1	11.5	241.8	0.7	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
194	0.36	0.497	0.597	48.8	−5.2	−16.9	17.7	252.7	0.5	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
195	0.39	0.575	0.729	56.0	−5.0	−24.2	24.8	258.2	0.3	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
196	0.418	0.657	0.865	63.3	−4.7	−31.6	31.9	261.5	0.2	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
197	0.446	0.741	1.0	70.7	−4.7	−38.0	38.3	262.8	0.6	229	0.0	0.659	1.0	62.7	−5.8	−51.3	51.7	263.5
198	0.273	0.472	0.095	43.0	−32.2	42.2	53.1	127.3	1.0	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
199	0.252	0.476	0.246	43.5	−30.4	25.3	39.6	140.1	0.4	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
200	0.325	0.475	0.407	45.1	−16.8	5.0	17.5	163.4	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
201	0.329	0.474	0.461	45.5	−13.1	−2.2	13.3	189.8	0.7	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
202	0.324	0.448	0.471	43.6	−9.3	−6.6	11.5	215.3	0.8	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
203	0.364	0.532	0.597	51.4	−9.9	−12.9	16.3	232.5	0.5	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
204	0.4	0.612	0.727	58.7	−9.5	−19.8	22.0	244.2	0.1	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
205	0.425	0.695	0.863	66.0	−9.6	−27.1	28.8	250.5	0.2	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
206	0.446	0.781	1.0	73.4	−10.0	−33.8	35.3	253.4	0.6	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
207	0.159	0.596	0.093	52.2	−51.3	50.6	72.0	135.4	0.7	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
208	0.272	0.599	0.344	53.9	−38.3	25.6	46.1	146.2	0.3	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
209	0.37	0.599	0.497	55.7	−24.1	7.4	25.3	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
210	0.375	0.598	0.554	56.0	−20.4	0.0	20.4	179.9	0.1	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
211	0.379	0.591	0.595	55.8	−16.8	−5.9	17.9	199.3	0.1	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
212	0.371	0.559	0.595	53.4	−13.2	−9.5	16.3	215.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
213	0.399	0.645	0.728	61.0	−13.9	−16.4	21.5	229.6	0.2	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
214	0.425	0.734	0.864	68.7	−14.5	−23.1	27.3	237.7	0.2	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
215	0.457	0.821	1.0	76.2	−14.6	−29.4	32.9	243.6	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
216	0.129	0.726	0.217	62.8	−60.2	50.6	78.6	139.9	0.3	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
217	0.294	0.729	0.441	64.5	−46.1	26.8	53.4	149.7	0.3	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
218	0.404	0.73	0.587	66.3	−32.5	10.3	34.1	162.4	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
219	0.409	0.729	0.649	66.6	−28.7	2.5	28.8	174.9	0.1	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
220	0.413	0.728	0.703	67.0	−25.1	−4.2	25.5	189.4	0.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
221	0.411	0.708	0.727	65.6	−21.2	−9.4	23.2	204.0	0.2	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
222	0.408	0.674	0.726	63.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
223	0.431	0.765	0.863	71.0	−18.3	−19.6	26.8	226.9	0.2	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
224	0.453	0.857	1.0	78.7	−19.3	−25.7	32.2	233.0	0.7	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
225	0.079	0.861	0.336	73.4	−68.2	50.1	84.6	143.6	0.3	172	0.0	1.0	0.383	84.0	−77.6	57.2	96.4	143.5
226	0.309	0.864	0.538	75.2	−54.1	28.7	61.2	152.0	0.3	183	0.0	1.0	0.553	84.5	−71.8	38.6	81.5	151.7
227	0.436	0.866	0.681	76.9	−40.7	13.0	42.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
228	0.44	0.865	0.747	77.3	−36.9	5.0	37.2	172.2	0.1	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
229	0.444	0.865	0.804	77.6	−33.3	−1.9	33.3	183.2	0.2	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
230	0.457	0.863	0.858	78.0	−29.1	−8.3	30.3	195.9	0.1	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
231	0.44	0.829	0.864	75.5	−25.6	−12.9	28.6	206.7	0.3	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
232	0.44	0.795	0.862	73.1	−21.6	−16.2	27.0	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
233	0.463	0.889	1.0	80.9	−22.7	−22.3	31.8	224.3	0.4	217	0.0	0.85	1.0	76.2	−29.9	−30.1	42.5	225.1
234	0.0	1.0	0.439	84.1	−75.8	51.4	91.6	145.8	0.1	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
235	0.323	1.0	0.623	85.5	−62.1	32.0	69.9	152.7	0.4	184	0.0	1.0	0.573	84.6	−70.9	36.3	79.7	152.9
236	0.467	1.0	0.78	87.2	−48.0	14.9	50.2	162.6	0.8	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
237	0.468	1.0	0.848	87.6	−44.3	6.9	44.8	171.0	0.8	198	0.0	1.0	0.795	85.6	−59.7	10.0	60.6	170.4
238	0.479	1.0	0.909	88.0	−40.3	−0.1	40.3	180.2	0.7	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
239	0.478	1.0	0.966	88.4	−36.9	−6.8	37.6	190.4	0.7	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
240	0.484	0.99	1.0	88.0	−33.5	−11.6	35.5	199.0	0.3	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
241	0.469	0.953	1.0	85.4	−30.0	−15.5	33.8	207.3	0.8	213	0.0	0.933	1.0	82.1	−39.4	−21.6	44.9	208.7
242	0.471	0.919	1.0	83.1	−26.0	−19.0	32.2	216.2	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.5**

1−1131030−F0

PE520−7N, Page 11/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

n	HIC*Fde	rgb_Fde			ict_Fde			$h_{si\_F,de}$	rgb*Fde			LabCh*Fde					rgb'*Fde			LabCh'*Fde					DE'*Fde	$h_{siM,de}$	rgb*Mde			LabCh*Mde				
243	R00Y_037_037de	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.098	19.0	29.3	13.9	32.5	25.4	0.363	0.092	0.113	18.7	30.3	14.0	33.4	24.7	1.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
244	R18Y_037_037de	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.182	19.4	30.4	2.2	30.5	4.3	0.358	0.096	0.188	19.1	31.2	1.6	31.2	2.9	1.0	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
245	B65R_037_037de	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.257	20.1	32.0	−7.6	32.9	346.6	0.358	0.098	0.252	19.8	33.0	−8.2	34.0	346.0	1.1	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
246	B50R_037_037de	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.371	21.4	35.3	−21.5	41.3	328.6	0.355	0.106	0.35	21.1	35.8	−22.2	42.2	328.2	0.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
247	B38R_050_050de	0.375	0.0	0.5	0.5	0.5	0.25	316	0.319	0.0	0.5	21.6	41.4	−40.9	58.2	315.3	0.317	0.085	0.473	21.1	42.4	−42.1	59.8	315.2	1.6	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
248	B30R_062_062de	0.375	0.0	0.625	0.625	0.625	0.312	307	0.091	0.0	0.625	19.5	47.7	−63.7	79.6	306.8	0.166	0.055	0.596	18.9	48.7	−64.6	80.9	306.9	1.4	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
249	B25R_075_075de	0.375	0.0	0.75	0.75	0.75	0.375	300	0.0	0.202	0.75	28.6	39.5	−68.0	78.7	300.1	0.12	0.206	0.727	28.3	39.9	−68.4	79.2	300.2	0.6	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
250	B20R_087_087de	0.375	0.0	0.875	0.875	0.875	0.437	295	0.0	0.318	0.875	37.8	34.2	−72.0	79.7	295.4	0.061	0.318	0.861	37.6	34.0	−72.3	79.9	295.2	0.3	248	0.0	0.364	1.0	43.2	39.1	−82.3	91.1	295.4
251	B18R_100_100de	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5	0.0	0.407	1.0	45.8	32.6	−78.0	84.5	292.7	0.6	246	0.0	0.404	1.0	45.7	32.7	−78.6	85.1	292.5
252	R31Y_037_037de	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.108	0.0	20.7	23.6	25.0	34.4	46.6	0.364	0.138	0.042	20.6	23.8	26.4	35.6	47.8	1.3	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
253	R00Y_037_025de	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.19	24.6	19.5	9.3	21.6	25.4	0.368	0.189	0.189	24.3	19.8	8.9	21.7	24.2	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
254	R00Y_037_025de	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.279	25.1	20.9	−2.9	21.1	352.0	0.361	0.193	0.27	24.8	21.3	−3.5	21.6	350.6	0.7	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
255	B50R_037_025de	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.372	26.2	23.5	−14.3	27.5	328.6	0.357	0.199	0.351	25.9	23.9	−15.0	28.2	327.7	0.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
256	B34R_050_037de	0.375	0.125	0.5	0.5	0.375	0.312	311	0.291	0.124	0.5	25.8	29.6	−34.5	45.5	310.5	0.313	0.185	0.476	25.4	30.0	−35.5	46.5	310.2	1.1	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
257	B25R_062_050de	0.375	0.125	0.625	0.625	0.5	0.375	300	0.125	0.26	0.625	31.0	26.3	−45.3	52.4	300.1	0.276	0.258	0.599	30.9	26.0	−45.4	52.3	299.8	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
258	B19R_075_062de	0.375	0.125	0.75	0.75	0.625	0.437	293	0.125	0.37	0.75	40.0	21.7	−49.8	54.3	293.5	0.289	0.36	0.729	39.9	21.3	−49.8	54.2	293.1	0.3	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
259	B15R_087_075de	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.455	0.875	47.9	20.2	−56.2	59.8	289.7	0.296	0.448	0.866	47.8	19.7	−56.3	59.6	289.3	0.4	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
260	B13R_100_087de	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.541	1.0	55.9	18.9	−62.2	65.0	286.9	0.307	0.537	1.0	55.8	18.1	−61.7	64.3	286.3	0.9	241	0.0	0.476	1.0	50.2	21.6	−71.1	74.3	286.9
261	R68Y_037_037de	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.234	0.0	26.3	9.6	28.1	29.7	71.1	0.358	0.232	0.067	26.1	9.6	29.2	30.7	71.7	1.0	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
262	R50Y_037_025de	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.246	0.124	27.7	10.6	17.7	20.6	58.8	0.367	0.245	0.161	27.6	10.5	17.8	20.7	59.3	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
263	R00Y_037_012de	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.282	30.2	9.7	4.6	10.8	25.4	0.366	0.273	0.268	30.1	9.6	4.5	10.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
264	B50R_037_012de	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.373	31.0	11.7	−7.1	13.7	328.6	0.355	0.279	0.351	30.9	11.5	−7.4	13.7	326.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
265	B25R_050_025de	0.375	0.25	0.5	0.5	0.25	0.375	300	0.249	0.317	0.5	33.4	13.1	−22.6	26.2	300.1	0.327	0.304	0.476	33.2	12.7	−23.1	26.4	298.8	0.6	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
266	B15R_062_037de	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.415	0.625	41.8	10.1	−28.1	29.9	289.7	0.362	0.398	0.6	41.8	9.6	−28.0	29.6	288.9	0.4	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
267	B11R_075_050de	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.5	0.75	49.7	9.1	−34.1	35.3	285.0	0.399	0.483	0.728	49.7	8.6	−33.9	35.0	284.3	0.5	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
268	B09R_087_062de	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.577	0.875	57.2	8.9	−41.3	42.3	282.1	0.423	0.563	0.866	57.1	8.6	−41.4	42.3	281.8	0.2	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
269	B07R_100_075de	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.654	1.0	64.6	8.7	−48.4	49.2	280.2	0.447	0.646	1.0	64.4	8.2	−47.8	48.5	279.8	0.8	237	0.0	0.539	1.0	54.4	11.7	−64.6	65.6	280.2
270	Y00G_037_037de	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.321	0.0	31.3	−1.2	31.6	31.7	92.3	0.354	0.305	0.081	31.3	−1.7	32.6	32.6	93.0	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
271	Y00G_037_025de	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.339	0.124	32.8	−0.8	21.1	21.1	92.3	0.357	0.319	0.18	32.7	−1.4	21.3	21.3	93.7	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
272	Y00G_037_012de	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.357	0.249	34.3	−0.4	10.5	10.5	92.3	0.356	0.334	0.267	34.2	−0.8	10.4	10.4	94.5	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
273	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
274	B00R_050_012de	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.451	0.5	43.1	0.2	−7.0	7.0	271.7	0.396	0.426	0.472	43.2	−0.2	−7.2	7.2	268.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
275	B00R_062_025de	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.527	0.625	50.5	0.4	−14.1	14.1	271.7	0.445	0.504	0.597	50.6	0.0	−14.0	14.0	270.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
276	B00R_075_037de	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.603	0.75	57.9	0.6	−21.2	21.2	271.7	0.487	0.582	0.728	57.9	0.4	−21.2	21.2	271.3	0.1	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
277	B00R_087_050de	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.679	0.875	65.4	0.8	−28.3	28.3	271.7	0.527	0.664	0.864	65.2	0.8	−28.4	28.4	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
278	B00R_100_062de	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.755	1.0	72.8	1.0	−35.3	35.3	271.7	0.564	0.748	1.0	72.6	0.7	−34.9	34.9	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
279	Y23G_050_050de	0.375	0.5	0.0	0.5	0.5	0.25	104	0.453	0.5	0.0	45.5	−14.9	44.4	46.9	108.6	0.432	0.47	0.099	45.5	−15.4	45.1	47.7	108.8	0.8	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
280	Y31G_050_037de	0.375	0.5	0.125	0.5	0.375	0.312	109	0.427	0.5	0.124	45.4	−14.8	32.6	35.8	114.4	0.416	0.471	0.209	45.4	−15.4	33.1	36.5	114.9	0.7	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
281	Y50G_050_025de	0.375	0.5	0.25	0.5	0.25	0.375	120	0.382	0.5	0.249	45.3	−15.7	20.7	26.0	127.2	0.384	0.474	0.299	45.4	−16.2	20.8	26.4	127.9	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
282	G00B_050_012de	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.463	46.4	−8.0	2.5	8.4	162.2	0.399	0.474	0.438	46.4	−8.5	2.4	8.9	163.9	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
283	G50B_050_012de	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.486	0.5	45.6	−4.2	−3.2	5.3	216.9	0.4	0.459	0.471	45.7	−4.7	−3.3	5.8	215.5	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
284	G75B_062_025de	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.565	0.625	53.2	−4.7	−9.9	10.9	244.3	0.445	0.541	0.595	53.2	−5.2	−9.8	11.1	242.0	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
285	G84B_075_037de	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.641	0.75	60.6	−4.7	−17.1	17.8	254.3	0.489	0.62	0.728	60.5	−4.6	−17.2	17.8	254.7	0.1	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
286	G88B_087_050de	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.717	0.875	68.0	−4.7	−24.3	24.7	258.9	0.524	0.704	0.865	67.9	−4.7	−24.4	24.9	258.9	0.1	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
287	G90B_100_062de	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.793	1.0	75.4	−4.5	−31.4	31.7	261.6	0.558	0.79	1.0	75.2	−5.1	−30.9	31.3	260.5	0.7	228	0.0	0.67	1.0	63.4	−7.3	−50.3	50.8	261.6
288	Y38G_062_062de	0.375	0.625	0.0	0.625	0.625	0.312	113	0.449	0.625	0.0	55.0	−29.7	53.4	61.1	119.1	0.439	0.594	0.096	54.9	−29.9	53.9	61.6	119.0	0.5	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
289	Y50G_062_050de	0.375	0.625	0.125	0.625	0.5	0.375	120	0.389	0.625	0.125	54.9	−31.5	41.4	52.0	127.2	0.402	0.597	0.226	54.8	−31.7	41.6	52.3	127.3	0.2	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
290	Y68G_062_037de	0.375	0.625	0.25	0.625	0.375	0.437	131	0.25	0.625	0.352	55.2	−30.0	25.1	39.1	140.0	0.377	0.6	0.363	55.2	−30.0	25.0	39.0	140.1	0.1	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
291	G00B_062_025de	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.551	57.0	−16.1	5.1	16.9	162.2	0.449	0.599	0.529	56.9	−16.2	4.8	16.9	163.4	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
292	G25B_062_025de	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.612	57.4	−12.4	−2.1	12.6	189.6	0.453	0.597	0.584	57.2	−12.8	−2.2	13.0	189.9	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
293	G50B_062_025de	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.597	0.625	55.5	−8.5	−6.4	10.7	216.9	0.449	0.571	0.595	55.4	−9.0	−6.4	11.1	215.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
294	G65B_075_037de	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.678	0.75	63.2	−9.4	−13.1	16.2	234.3	0.492	0.658	0.727	63.1	−9.4	−13.1	16.2	234.1	0.0	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
295	G75B_087_050de	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.756	0.875	70.8	−9.5	−19.8	21.9	244.3	0.534	0.744	0.862	70.6	−9.4	−19.8	22.0	244.4	0.1	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
296	G80B_100_062de	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.831	1.0	78.1	−9.4	−27.0	28.6	250.7	0.564	0.829	1.0	77.9	−9.8	−26.7	28.5	249.8	0.5	225	0.0	0.73	1.0	67.7	−15.1	−43.2	45.7	250.7
297	Y50G_075_075de	0.375	0.75	0.0	0.75	0.75	0.375	120	0.396	0.75	0.0	64.4	−47.2	62.1	78.0	127.2	0.4	0.725	0.08	64.3	−47.4	62.6	78.5	127.1	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
298	Y61G_075_062de	0.375	0.75	0.125	0.75	0.625	0.437	127	0.207	0.75	0.125	64.2	−50.8	50.0	71.3	135.4	0.322	0.729	0.241	64.1	−51.0	50.0	71.4	135.6	0.3	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
299	Y76G_075_050de	0.375	0.75	0.25	0.75	0.5	0.5	136	0.25	0.75	0.468	65.9	−38.0	25.7	45.9	145.9	0.407	0.731	0.467	65.8	−38.1	25.4	45.8	146.2	0.3	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
300	G00B_075_037de	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.639	67.7	−24.2	7.7	25.4	162.2	0.499	0.731	0.62	67.6	−24.1	7.8	25.4	161.9	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
301	G15B_075_037de	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.705	68.0	−20.3	0.1	20.3	179.5	0.504	0.729	0.681	67.9	−20.4	0.2	20.4	179.4	0.1	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
302	G34B_075_037de	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.743	0.75	67.8	−16.7	−5.9	17.7	199.6	0.508	0.721	0.725	67.7	−16.7	−5.9	17.7	199.5	0.1	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
303	G50B_075_037de	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.708	0.75	65.4	−12.8	−9.6	16.0	216.9	0.501	0.687	0.725	65.3	−12.8	−9.6	16.0	216.8	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
304	G61B_087_050de	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.789	0.875	73.1	−13.8	−16.3	21.4	229.7	0.533	0.778	0.863	73.0	−13.9	−16.4	21.5	229.6	0.1	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
305	G69B_100_062de	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.87	1.0	80.8	−14.4	−23.0	27.1	237.9	0.567	0.87	1.0	80.7	−14.8	−22.5	27.0	236.6	0.6	221	0.0	0.792	1.0	72.1	−23.0	−36.8	43.4	237.9
306	Y58G_087_087de	0.375	0.875	0.0	0.875	0.875	0.437	125	0.27	0.875	0.0	73.8	−66.2	70.7	96.9	133.0	0.285	0.86	0.049	73.8	−66.5	71.1	97.4	133.0	0.4	132	0.309	1.0	0.0	84.4	−75.7	80.9	110.8	133.0
307	Y68G_087_075de	0.375	0.875	0.125	0.875	0.75	0.5	131	0.125	0.875	0.329	74.8	−60.1	50.2	78.3	140.0	0.32	0.865	0.351	74.7	−60.3	50.2	78.5	140.2	0.2	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
308	Y81G_087_062de	0.375	0.875	0.25	0.875	0.625	0.562	139	0.25	0.875	0.57	76.5	−45.8	27.1	53.2	149.4	0.438	0.867	0.566	76.5	−46.1	27.0	53.4	149.5	0.2	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
309	G00B_087_050de	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.728	78.3	−32.3	10.3	33.9	162.2	0.539	0.867	0.716	78.2	−32.5	10.4	34.1	162.1	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
310	G11B_087_050de	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.794	78.7	−28.5	2.4	28.6	175.0	0.543	0.866	0.782	78.6	−28.7	2.4	28.8	175.0	0.1	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
311	G25B_087_050de	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.85	79.0	−24.9	−4.2	25.3	189.6	0.548	0.865	0.838	78.9	−25.1	−4.2	25.5	189.5	0.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
312	G38B_087_050de	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.854	0.875	77.7	−21.0	−9.4	23.0	204.2	0.546	0.843	0.863	77.6	−21.2	−9.4	23.2	204.0	0.2	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
313	G50B_087_050de	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.82	0.875	75.3	−17.1	−12.8	21.4	216.9	0.542	0.809	0.862	75.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
314	G59B_100_062de	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.901	1.0	83.0	−18.1	−19.5	26.6	227.0	0.572	0.903	1.0	82.9	−18.6	−19.1	26.7	225.8	0.5	218	0.0	0.842	1.0	75.6	−29.1	−31.2	42.6	227.0
315	Y63G_100_100de	0.375	1.0	0.0	1.0	1.0	0.5	128	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5	0.005	1.0	0.072	83.6	−82.3	78.4	113.7	136.4	0.4	153	0.0	1.0	0.072	83.6	−82.4	77.9	113.4	136.5
316	Y73G_100_087de	0.375	1.0	0.125	1.0	0.875	0.562	134	0.125	1.0	0.46	85.4	−67.9	50.0	84.3	143.5	0.329	1.0	0.468	85.1	−67.7	49.6	83.9	143.7	0.6	172	0.0	1.0	0.383	84.0	−77.6	57.2	96.4	143.5
317	Y85G_100_075de	0.375	1.0	0.25	1.0	0.75	0.625	141	0.25	1.0	0.664	87.2	−53.8	28.9	61.1	151.7	0.467	1.0	0.666	86.7	−53.3	28.4	60.4	151.9	0.9	183	0.0	1.0	0.553	84.5	−71.8	38.6	81.5	151.7
318	G00B_100_062de	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.816	88.9	−40.4	12.9	42.4	162.2	0.576	1.0	0.816	88.4	−39.8	12.1	41.6	162.9	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
319	G09B_100_062de	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.882	89.3	−36.7	4.9	37.0	172.2	0.581	1.0	0.874	88.7	−36.5	5.4	36.9	171.5	0.7	199	0.0	1.0	0.812	85.7	−58.7	7.9	59.3	172.2
320	G19B_100_062de	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.941	89.6	−33.0	−1.8	33.1	183.2	0.586	1.0	0.942	89.2	−32.6	−2.5	32.7	184.4	0.9	205	0.0	1.0	0.906	86.2	−52.8	−2.9	52.9	183.2
321	G30B_100_062de	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.998	90.0	−29.0	−8.3	30.1	195.9	0.6	1.0	0.998	89.7	−28.6	−8.8	29.9	197.1	0.7	209	0.0	1.0	0.997	86.8	−46.4	−13.2	48.2	195.9
322	G40B_100_062de	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	0.964	1.0	87.5	−25.3	−12.8	28.4	206.9	0.583	0.968	1.0	87.4	−25.8	−12.3	28.6	205.5	0.7	212	0.0	0.943	1.0	82.8	−40.5	−20.5	45.4	206.9
323	G50B_100_062de	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	0.931	1.0	85.2	−21.4	−16.1	26.8	216.9	0.581	0.933	1.0	85.1	−21.8	−15.9	27.0	216.1	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.5**

1−1131130−F0

PE520−7N, Page 12/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

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

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

1−1131130−F0

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 13/22

n	HIC^*_{Fde}	rgb_{Fde}			ict_{Fde}			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$				
324	R00Y_050_050de	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4
325	R26Y_050_050de	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.214	25.8	40.2	7.0	40.8	9.8
326	R00Y_050_050de	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.308	26.4	41.8	−5.8	42.2	352.0
327	B61R_050_050de	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.373	27.0	43.3	−14.1	45.6	341.8
328	B50R_050_050de	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.495	28.5	47.0	−28.7	55.1	328.6
329	B40R_062_062de	0.5	0.0	0.625	0.625	0.625	0.312	319	0.455	0.0	0.625	29.0	53.3	−47.7	71.5	318.1
330	B34R_075_075de	0.5	0.0	0.75	0.75	0.75	0.375	311	0.333	0.0	0.75	27.8	59.3	−69.1	91.1	310.5
331	B29R_087_087de	0.5	0.0	0.875	0.875	0.875	0.437	305	0.0	0.102	0.875	28.3	61.2	−87.7	107.0	304.9
332	B25R_100_100de	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
333	R23Y_050_050de	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.051	0.0	25.6	37.2	32.4	49.3	41.0
334	R00Y_050_037de	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.223	31.0	29.3	13.9	32.5	25.4
335	R18Y_050_037de	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.307	31.4	30.4	2.2	30.5	4.3
336	B65R_050_037de	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.382	32.0	32.0	−7.6	32.9	346.6
337	B50R_050_037de	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.496	33.3	35.3	−21.5	41.3	328.6
338	B38R_062_050de	0.5	0.125	0.625	0.625	0.5	0.375	316	0.444	0.125	0.625	33.5	41.4	−40.9	58.2	315.3
339	B30R_075_062de	0.5	0.125	0.75	0.75	0.625	0.437	307	0.216	0.125	0.75	31.4	47.7	−63.7	79.6	306.8
340	B25R_087_075de	0.5	0.125	0.875	0.875	0.75	0.5	300	0.125	0.327	0.875	40.6	39.5	−68.0	78.7	300.1
341	B20R_100_087de	0.5	0.125	1.0	1.0	0.875	0.562	295	0.125	0.443	1.0	49.7	34.2	−72.0	79.7	295.4
342	R50Y_050_050de	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.243	0.0	31.5	21.3	35.4	41.3	58.8
343	R31Y_050_037de	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.233	0.124	32.7	23.6	25.0	34.4	46.6
344	R00Y_050_025de	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.315	36.5	19.5	9.3	21.6	25.4
345	R00Y_050_025de	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.404	37.0	20.9	−2.9	21.1	352.0
346	B50R_050_025de	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.497	38.1	23.5	−14.3	27.5	328.6
347	B34R_062_037de	0.5	0.25	0.625	0.625	0.375	0.437	311	0.416	0.25	0.625	37.7	29.6	−34.5	45.5	310.5
348	B25R_075_050de	0.5	0.25	0.75	0.75	0.5	0.5	300	0.25	0.385	0.75	42.9	26.3	−45.3	52.4	300.1
349	B19R_087_062de	0.5	0.25	0.875	0.875	0.625	0.562	293	0.25	0.495	0.875	51.9	21.7	−49.8	54.3	293.5
350	B15R_100_075de	0.5	0.25	1.0	1.0	0.75	0.625	289	0.25	0.58	1.0	59.8	20.2	−56.2	59.8	289.7
351	R76Y_050_050de	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.342	0.0	36.7	9.1	38.8	39.9	76.7
352	R68Y_050_037de	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.359	0.124	38.2	9.6	28.1	29.7	71.1
353	R50Y_050_025de	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.371	0.249	39.6	10.6	17.7	20.6	58.8
354	R00Y_050_012de	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.407	42.1	9.7	4.6	10.8	25.4
355	B50R_050_012de	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.498	42.9	11.7	−7.1	13.7	328.6
356	B25R_062_025de	0.5	0.375	0.625	0.625	0.25	0.5	300	0.375	0.442	0.625	45.3	13.1	−22.6	26.2	300.1
357	B15R_075_037de	0.5	0.375	0.75	0.75	0.375	0.562	289	0.375	0.54	0.75	53.7	10.1	−28.1	29.9	289.7
358	B11R_087_050de	0.5	0.375	0.875	0.875	0.5	0.625	284	0.375	0.625	0.875	61.6	9.1	−34.1	35.3	285.0
359	B09R_100_062de	0.5	0.375	1.0	1.0	0.625	0.687	281	0.375	0.702	1.0	69.1	8.9	−41.3	42.3	282.1
360	Y00G_050_050de	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.428	0.0	41.8	−1.7	42.2	42.2	92.3
361	Y00G_050_037de	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.446	0.124	43.3	−1.2	31.6	31.7	92.3
362	Y00G_050_025de	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.464	0.249	44.7	−0.8	21.1	21.1	92.3
363	Y00G_050_012de	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.482	0.375	46.2	−0.4	10.5	10.5	92.3
364	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0
365	B00R_062_012de	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.576	0.625	55.1	0.2	−7.0	7.0	271.7
366	B00R_075_025de	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.652	0.75	62.5	0.4	−14.1	14.1	271.7
367	B00R_087_037de	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.728	0.875	69.9	0.6	−21.2	21.2	271.7
368	B00R_100_050de	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.804	1.0	77.3	0.8	−28.3	28.3	271.7
369	Y18G_062_062de	0.5	0.625	0.0	0.625	0.625	0.312	101	0.602	0.625	0.0	57.5	−15.2	56.3	58.3	105.1
370	Y23G_062_050de	0.5	0.625	0.125	0.625	0.5	0.375	104	0.578	0.625	0.125	57.4	−14.9	44.4	46.9	108.6
371	Y31G_062_037de	0.5	0.625	0.25	0.625	0.375	0.437	109	0.552	0.625	0.25	57.3	−14.8	32.6	35.8	114.4
372	Y50G_062_025de	0.5	0.625	0.375	0.625	0.25	0.5	120	0.507	0.625	0.375	57.2	−15.7	20.7	26.0	127.2
373	G00B_062_012de	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.588	58.3	−8.0	2.5	8.4	162.2
374	G50B_062_012de	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.611	0.625	57.5	−4.2	−3.2	5.3	216.9
375	G75B_075_025de	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.69	0.75	65.2	−4.7	−9.9	10.9	244.3
376	G84B_087_037de	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.766	0.875	72.5	−4.7	−17.1	17.8	254.3
377	G88B_100_050de	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.842	1.0	79.9	−4.7	−24.3	24.7	258.9
378	Y31G_075_075de	0.5	0.75	0.0	0.75	0.75	0.375	109	0.604	0.75	0.0	67.0	−29.6	65.3	71.7	114.4
379	Y38G_075_062de	0.5	0.75	0.125	0.75	0.625	0.437	113	0.574	0.75	0.125	67.0	−29.7	53.4	61.1	119.1
380	Y50G_075_050de	0.5	0.75	0.25	0.75	0.5	0.5	120	0.514	0.75	0.25	66.8	−31.5	41.4	52.0	127.2
381	Y68G_075_037de	0.5	0.75	0.375	0.75	0.375	0.562	131	0.375	0.75	0.477	67.2	−30.0	25.1	39.1	140.0
382	G00B_075_025de	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.676	68.9	−16.1	5.1	16.9	162.2
383	G25B_075_025de	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.737	69.3	−12.4	−2.1	12.6	189.6
384	G50B_075_025de	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.722	0.75	67.4	−8.5	−6.4	10.7	216.9
385	G65B_087_037de	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.803	0.875	75.1	−9.4	−13.1	16.2	234.3
386	G75B_100_050de	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.881	1.0	82.7	−9.5	−19.8	21.9	244.3
387	Y41G_087_087de	0.5	0.875	0.0	0.875	0.875	0.437	115	0.586	0.875	0.0	76.5	−45.3	74.1	86.9	121.4
388	Y50G_087_075de	0.5	0.875	0.125	0.875	0.75	0.5	120	0.521	0.875	0.125	76.4	−47.2	62.1	78.0	127.2
389	Y61G_087_062de	0.5	0.875	0.25	0.875	0.625	0.562	127	0.332	0.875	0.25	76.2	−50.8	50.0	71.3	135.4
390	Y76G_087_050de	0.5	0.875	0.375	0.875	0.5	0.625	136	0.375	0.875	0.593	77.8	−38.0	25.7	45.9	145.9
391	G00B_087_037de	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.764	79.6	−24.2	7.7	25.4	162.2
392	G15B_087_037de	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.83	79.9	−20.3	0.1	20.3	179.5
393	G34B_087_037de	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.868	0.875	79.8	−16.7	−5.9	17.7	199.6
394	G50B_087_037de	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.833	0.875	77.3	−12.8	−9.6	16.0	216.9
395	G61B_100_050de	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.914	1.0	85.0	−13.8	−16.3	21.4	229.7
396	Y50G_100_100de	0.5	1.0	0.0	1.0	1.0	0.5	120	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
397	Y58G_100_087de	0.5	1.0	0.125	1.0	0.875	0.562	125	0.395	1.0	0.125	85.8	−66.2	70.7	96.9	133.0
398	Y68G_100_075de	0.5	1.0	0.25	1.0	0.75	0.625	131	0.25	1.0	0.454	86.7	−60.1	50.2	78.3	140.0
399	Y81G_100_062de	0.5	1.0	0.375	1.0	0.625	0.687	139	0.375	1.0	0.695	88.5	−45.8	27.1	53.2	149.4
400	G00B_100_050de	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853	90.2	−32.3	10.3	33.9	162.2
401	G11B_100_050de	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.919	90.6	−28.5	2.4	28.6	175.0
402	G25B_100_050de	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.975	90.9	−24.9	−4.2	25.3	189.6
403	G38B_100_050de	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	0.979	1.0	89.6	−21.0	−9.4	23.0	204.2
404	G50B_100_050de	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	0.945	1.0	87.2	−17.1	−12.8	21.4	216.9

n	rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
324	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
325	0.48	0.104	0.218	25.6	40.9	6.7	41.4	9.3	0.7	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
326	0.476	0.11	0.304	26.3	42.2	−6.3	42.7	351.5	0.6	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
327	0.476	0.113	0.361	27.0	43.7	−14.5	46.1	341.6	0.5	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
328	0.475	0.121	0.469	28.5	47.2	−29.1	55.4	328.3	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
329	0.446	0.093	0.596	28.7	53.9	−48.2	72.4	318.2	0.8	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
330	0.344	0.058	0.726	27.4	60.0	−69.7	92.0	310.7	1.0	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
331	0.093	0.112	0.861	28.0	61.5	−88.1	107.4	304.9	0.4	263	0.0	0.116	1.0	32.3	70.0	−100.3	122.3	304.9
332	0.0	0.272	1.0	38.2	52.8	−90.5	104.8	300.2	0.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
333	0.484	0.119	0.039	25.6	37.5	33.6	50.4	41.8	1.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
334	0.494	0.214	0.219	30.8	29.8	13.7	32.9	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
335	0.487	0.217	0.298	31.2	30.8	1.8	30.9	3.3	0.6	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
336	0.485	0.221	0.367	31.8	32.6	−8.0	33.6	346.0	0.7	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
337	0.481	0.229	0.471	33.2	35.6	−22.0	41.9	328.2	0.6	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
338	0.448	0.216	0.598	33.2	41.8	−41.3	58.8	315.3	0.6	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
339	0.327	0.187	0.73	31.0	48.1	−64.3	80.4	306.8	0.8	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
340	0.313	0.321	0.865	40.3	39.5	−68.3	78.9	300.0	0.4	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
341	0.319	0.436	1.0	49.6	33.5	−71.7	79.1	295.1	0.7	248	0.0	0.364	1.0	43.2	39.1	−82.3	91.1	295.4
342	0.48	0.247	0.061	31.5	21.4	36.4	42.2	59.4	0.9	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
343	0.496	0.253	0.159	32.7	23.6	25.3	34.6	46.9	0.2	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
344	0.497	0.305	0.3	36.5	19.6	9.1	21.6	25.0	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
345	0.486	0.309	0.385	37.0	21.0	−3.2	21.3	351.2	0.3	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
346	0.482	0.316	0.472	38.0	23.6	−14.8	27.9	327.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
347	0.44	0.302	0.6	37.5	29.5	−34.8	45.6	310.3	0.2	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
348	0.412	0.373	0.732	42.9	26.1	−45.1	52.2	300.0	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
349	0.432	0.48	0.866	51.8	21.3	−49.8	54.2	293.1	0.3	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
350	0.453	0.57	1.0	59.6	19.4	−55.5	58.8	289.3	1.0	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
351	0.476	0.33	0.072	36.6	9.1	39.7	40.7	77.0	0.8	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
352	0.486	0.346	0.182	38.2	9.4	28.5	30.0	71.5	0.3	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
353	0.494	0.359	0.271	39.6	10.6	17.6	20.6	58.9	0.0	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
354	0.491	0.39	0.384	42.2	9.7	4.5	10.7	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
355	0.478	0.396	0.472	42.9	11.5	−7.3	13.7	327.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
356	0.452	0.422	0.6	45.3	12.6	−22.6	25.9	299.2	0.5	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
357	0.491	0.52	0.731	53.8	9.7	−27.9	29.5	289.3	0.3	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
358	0.532	0.606	0.864	61.5	9.2	−34.2	35.4	285.0	0.1	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
359	0.562	0.691	1.0	68.9	8.3	−40.8	41.6	281.6	0.8	238	0.0	0.523	1.0	53.3	14.2	−66.1	67.7	282.1
360	0.476	0.408	0.088	41.9	−1.9	43.0	43.1	92.5	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
361	0.482	0.422	0.199	43.3	−1.6	32.2	32.2	92.9	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
362	0.483	0.437	0.294	44.8	−1.1	21.2	21.2	93.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
363	0.479	0.454	0.383	46.2	−0.6	10.4	10.5	93.7	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
364	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
365	0.52	0.548	0.595	55.0	0.0	−7.0	7.0	269.2	0.3	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
366	0.57	0.628	0.728	62.3	0.4	−14.3	14.3	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
367	0.616	0.711	0.864	69.7	0.5	−21.3	21.3	271.3	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
368	0.66	0.797	1.0	77.1	0.3	−27.9	27.9	270.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
369	0.576	0.593	0.099	57.3	−15.4	56.7	58.7	105.2	0.4	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
370	0.562	0.593	0.231	57.2	−15.1	44.5	47.0	108.8	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
371	0.543	0.594	0.328	57.2	−15.0	32.6	35.9	114.6	0.1	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
372	0.509	0.597	0.419	57.2	−15.7	20.5	25.8	127.5	0.2	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
373	0.523	0.597	0.561	58.2	−8.1	2.4	8.5	163.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
374	0.524	0.583	0.594	57.4	−4.4	−3.2	5.5	215.9	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
375	0.571	0.668	0.726	65.0	−4.9	−10.0	11.2	243.5	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
376	0.617	0.752	0.864	72.4	−4.8	−17.2	17.9	254.2	0.1	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
377	0.657	0.839	1.0	79.8	−5.2	−23.8	24.4	257.5	0.7	227	0.0	0.685	1.0	64.5	−9.4	−48.6	49.5	258.9
378	0.589	0.724	0.08	66.8	−30.0	65.7	72.2	114.5	0.5	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
379	0.572	0.725	0.246	66.8	−29.8	53.2	61.0	119.2	0.2	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
380	0.532	0.728	0.352	66.7	−31.5	41.3	52.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
381	0.506	0.732	0.487	67.1	−29.8	24.8	38.8	140.2	0.3	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
382	0.575	0.729	0.655	68.8	−16.3	5.0	17.1	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
383	0.58	0.728	0.713	69.1	−12.8	−2.2	13.0	189.8	0.4	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
384	0.576	0.7	0.725	67.2	−8.8	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
385	0.62	0.791	0.863	75.1	−9.7	−13.2	16.4	233.6	0.2	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
386	0.667	0.88	1.0	82.6	−9.8	−19.5	21.9	243.3	0.4	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
387	0.58	0.86	0.049	76.4	−45.6	74.4	87.3	121.5	0.4	108	0.67	1.0	0.0	87.5	−51.8	84.7	99.3	121.4
388	0.54	0.862	0.256	76.3	−47.3	62.0	78.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
389	0.469	0.867	0.373	76.1	−50.8	49.8	71.2	135.5	0.1	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
390	0.541	0.868	0.592	77.7	−38.2	25.7	46.0	146.0	0.2	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
391	0.627	0.867	0.752	79.5	−24.3	7.7	25.6	162.2	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
392	0.633	0.865	0.815	79.8	−20.6	0.1	20.6	179.7	0.2	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
393	0.637	0.857	0.861	79.7	−16.9	−6.0	17.9	199.6	0.2	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
394	0.629	0.822	0.861	77.2	−13.0	−9.7	16.3	216.6	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
395	0.667	0.916	1.0	84.9	−14.3	−16.0	21.5	228.2	0.5	219	0.0	0.829	1.0	74.7	−27.7	−32.7	42.8	229.7
396	0.53	0.999	0.0	85.9	−63.0	82.7	104.0	127.3	0.1	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
397	0.456	1.0	0.261	85.5	−66.0	70.5	96.6	133.1	0.4	132	0.309	1.0	0.0	84.4	−75.7	80.9	110.8	133.0
398	0.481	1.0	0.483	86.1	−59.3	49.4	77.2	140.2	1.2	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
399	0.578	1.0	0.697	87.8	−45.2	26.3	52.3	149.7	1.1	180	0.0	1.0	0.513	84.3	−73.3	43.3	85.2	149.4
400	0.673	1.0	0.853	89.6	−31.6	9.5	33.0	163.2	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
401	0.677	1.0	0.919	90.0	−28.0	1.7	28.0	176.4	1.0	201	0.0	1.0	0.838	85.8	−57.1	4.9	57.3	175.0
402	0.684	1.0	0.977	90.5	−24.5	−4.8	24.9	191.2	0.9	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
403	0.682	0.983	1.0	89.5	−21.4	−9.1	23.3	203.0	0.5	212	0.0	0.958	1.0	83.9	−42.0	−18.9	46.1	204.2
404	0.676	0.947	1.0	87.1	−17.5	−12.7	21.7	216.0	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.4**

PE520−7N, Page 13/22−F

1−1131230−F0

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

1−1131230−F0

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 14/22

n	HIC*Fde	rgb_Fde			ict_Fde			$h_{si\_F,de}$	rgb*Fde			LabCh*Fde				
405	R00Y_062_062de	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.164	31.8	48.9	23.3	54.2	25.4
406	R31Y_062_062de	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.247	32.1	49.9	11.7	51.2	13.2
407	R11Y_062_062de	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.333	32.7	51.3	−0.1	51.3	359.8
408	B69R_062_062de	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.398	33.2	52.5	−8.8	53.3	350.4
409	B59R_062_062de	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.495	34.1	55.1	−21.1	59.0	339.0
410	B50R_062_062de	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.619	35.7	58.8	−35.9	68.9	328.6
411	B42R_075_075de	0.625	0.0	0.75	0.75	0.75	0.375	321	0.588	0.0	0.75	36.4	65.2	−54.6	85.1	320.0
412	B36R_087_087de	0.625	0.0	0.875	0.875	0.875	0.437	314	0.497	0.0	0.875	35.7	71.1	−75.1	103.5	313.4
413	B31R_100_100de	0.625	0.0	1.0	1.0	1.0	0.5	308	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7
414	R18Y_062_062de	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.0	0.038	31.5	48.2	37.3	61.0	37.7
415	R00Y_062_050de	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.256	37.3	39.1	18.6	43.3	25.4
416	R26Y_062_050de	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.339	37.7	40.2	7.0	40.8	9.8
417	R00Y_062_050de	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.433	38.4	41.8	−5.8	42.2	352.0
418	B61R_062_050de	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.498	39.0	43.3	−14.1	45.6	341.8
419	B50R_062_050de	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.62	40.5	47.0	−28.7	55.1	328.6
420	B40R_075_062de	0.625	0.125	0.75	0.75	0.625	0.437	319	0.58	0.125	0.75	41.0	53.3	−47.7	71.5	318.1
421	B34R_087_075de	0.625	0.125	0.875	0.875	0.75	0.5	311	0.458	0.125	0.875	39.7	59.3	−69.1	91.1	310.5
422	B29R_100_087de	0.625	0.125	1.0	1.0	0.875	0.562	305	0.125	0.227	1.0	40.2	61.2	−87.7	107.0	304.9
423	R38Y_062_062de	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.237	0.0	36.4	34.3	42.5	54.7	51.0
424	R23Y_062_050de	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.176	0.125	37.6	37.2	32.4	49.3	41.0
425	R00Y_062_037de	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.348	42.9	29.3	13.9	32.5	25.4
426	R18Y_062_037de	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.432	43.3	30.4	2.2	30.5	4.3
427	B65R_062_037de	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.507	43.9	32.0	−7.6	32.9	346.6
428	B50R_062_037de	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.621	45.2	35.3	−21.5	41.3	328.6
429	B38R_075_050de	0.625	0.25	0.75	0.75	0.5	0.5	316	0.569	0.25	0.75	45.4	41.4	−40.9	58.2	315.3
430	B30R_087_062de	0.625	0.25	0.875	0.875	0.625	0.562	307	0.341	0.25	0.875	43.4	47.7	−63.7	79.6	306.8
431	B25R_100_075de	0.625	0.25	1.0	1.0	0.75	0.625	300	0.25	0.452	1.0	52.5	39.5	−68.0	78.7	300.1
432	R61Y_062_062de	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.36	0.0	42.2	19.8	46.1	50.2	66.6
433	R50Y_062_050de	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.368	0.125	43.4	21.3	35.4	41.3	58.8
434	R31Y_062_037de	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.358	0.25	44.6	23.6	25.0	34.4	46.6
435	R00Y_062_025de	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.44	48.5	19.5	9.3	21.6	25.4
436	R00Y_062_025de	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.529	49.0	20.9	−2.9	21.1	352.0
437	B50R_062_025de	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.622	50.0	23.5	−14.3	27.5	328.6
438	B34R_075_037de	0.625	0.375	0.75	0.75	0.375	0.562	311	0.541	0.375	0.75	49.6	29.6	−34.5	45.5	310.5
439	B25R_087_050de	0.625	0.375	0.875	0.875	0.5	0.625	300	0.375	0.51	0.875	54.8	26.3	−45.3	52.4	300.1
440	B19R_100_062de	0.625	0.375	1.0	1.0	0.625	0.687	293	0.375	0.62	1.0	63.8	21.7	−49.8	54.3	293.5
441	R81Y_062_062de	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.449	0.0	47.1	8.6	49.3	50.0	80.0
442	R76Y_062_050de	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.467	0.125	48.6	9.1	38.8	39.9	76.7
443	R68Y_062_037de	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.484	0.25	50.1	9.6	28.1	29.7	71.1
444	R50Y_062_025de	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.496	0.375	51.5	10.6	17.7	20.6	58.8
445	R00Y_062_012de	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.532	54.0	9.7	4.6	10.8	25.4
446	B50R_062_012de	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.623	54.8	11.7	−7.1	13.7	328.6
447	B25R_075_025de	0.625	0.5	0.75	0.75	0.25	0.625	300	0.5	0.567	0.75	57.2	13.1	−22.6	26.2	300.1
448	B15R_087_037de	0.625	0.5	0.875	0.875	0.375	0.687	289	0.5	0.665	0.875	65.7	10.1	−28.1	29.9	289.7
449	B11R_100_050de	0.625	0.5	1.0	1.0	0.5	0.75	284	0.5	0.75	1.0	73.6	9.1	−34.1	35.3	285.0
450	Y00G_062_062de	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.535	0.0	52.3	−2.1	52.8	52.8	92.3
451	Y00G_062_050de	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.553	0.125	53.7	−1.7	42.2	42.2	92.3
452	Y00G_062_037de	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.571	0.25	55.2	−1.2	31.6	31.7	92.3
453	Y00G_062_025de	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.589	0.375	56.7	−0.8	21.1	21.1	92.3
454	Y00G_062_012de	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.607	0.5	58.1	−0.4	10.5	10.5	92.3
455	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0
456	B00R_075_012de	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.701	0.75	67.0	0.2	−7.0	7.0	271.7
457	B00R_087_025de	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.777	0.875	74.4	0.4	−14.1	14.1	271.7
458	B00R_100_037de	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.853	1.0	81.8	0.6	−21.2	21.2	271.7
459	Y15G_075_075de	0.625	0.75	0.0	0.75	0.75	0.375	99	0.75	0.749	0.0	69.4	−15.4	68.0	69.7	102.7
460	Y18G_075_062de	0.625	0.75	0.125	0.75	0.625	0.437	101	0.727	0.75	0.125	69.4	−15.2	56.3	58.3	105.1
461	Y23G_075_050de	0.625	0.75	0.25	0.75	0.5	0.5	104	0.703	0.75	0.25	69.3	−14.9	44.4	46.9	108.6
462	Y31G_075_037de	0.625	0.75	0.375	0.75	0.375	0.562	109	0.677	0.75	0.375	69.3	−14.8	32.6	35.8	114.4
463	Y50G_075_025de	0.625	0.75	0.5	0.75	0.25	0.625	120	0.632	0.75	0.5	69.2	−15.7	20.7	26.0	127.2
464	G00B_075_012de	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.713	70.2	−8.0	2.5	8.4	162.2
465	G50B_075_012de	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.736	0.75	69.5	−4.2	−3.2	5.3	216.9
466	G75B_087_025de	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.815	0.875	77.1	−4.7	−9.9	10.9	244.3
467	G84B_100_037de	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.891	1.0	84.5	−4.7	−17.1	17.8	254.3
468	Y26G_087_087de	0.625	0.875	0.0	0.875	0.875	0.437	106	0.759	0.875	0.0	79.0	−29.5	77.0	82.4	110.9
469	Y31G_087_075de	0.625	0.875	0.125	0.875	0.75	0.5	109	0.729	0.875	0.125	78.9	−29.6	65.3	71.7	114.4
470	Y38G_087_062de	0.625	0.875	0.25	0.875	0.625	0.562	113	0.699	0.875	0.25	78.9	−29.7	53.4	61.1	119.1
471	Y50G_087_050de	0.625	0.875	0.375	0.875	0.5	0.625	120	0.639	0.875	0.375	78.7	−31.5	41.4	52.0	127.2
472	Y68G_087_037de	0.625	0.875	0.5	0.875	0.375	0.687	131	0.5	0.875	0.602	79.1	−30.0	25.1	39.1	140.0
473	G00B_087_025de	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.801	80.9	−16.1	5.1	16.9	162.2
474	G25B_087_025de	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.862	81.2	−12.4	−2.1	12.6	189.6
475	G50B_087_025de	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.847	0.875	79.4	−8.5	−6.4	10.7	216.9
476	G65B_100_037de	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.928	1.0	87.1	−9.4	−13.1	16.2	234.3
477	Y36G_100_100de	0.625	1.0	0.0	1.0	1.0	0.5	112	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9
478	Y41G_100_087de	0.625	1.0	0.125	1.0	0.875	0.562	115	0.711	1.0	0.125	88.5	−45.3	74.1	86.9	121.4
479	Y50G_100_075de	0.625	1.0	0.25	1.0	0.75	0.625	120	0.646	1.0	0.25	88.3	−47.2	62.1	78.0	127.2
480	Y61G_100_062de	0.625	1.0	0.375	1.0	0.625	0.687	127	0.457	1.0	0.375	88.1	−50.8	50.0	71.3	135.4
481	Y76G_100_050de	0.625	1.0	0.5	1.0	0.5	0.75	136	0.5	1.0	0.718	89.7	−38.0	25.7	45.9	145.9
482	G00B_100_037de	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.889	91.5	−24.2	7.7	25.4	162.2
483	G15B_100_037de	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.955	91.9	−20.3	0.1	20.3	179.5
484	G34B_100_037de	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	0.993	1.0	91.7	−16.7	−5.9	17.7	199.6
485	G50B_100_037de	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	0.958	1.0	89.2	−12.8	−9.6	16.0	216.9

n	rgb'*Fde			LabCh'*Fde					DE'*Fde	$h_{siM,de}$	rgb*Mde			LabCh*Mde				
405	0.603	0.103	0.172	31.5	49.2	23.1	54.4	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
406	0.603	0.104	0.25	31.9	50.3	11.3	51.6	12.6	0.6	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
407	0.6	0.107	0.329	32.4	51.6	−0.7	51.6	359.2	0.6	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
408	0.599	0.111	0.39	33.0	52.8	−9.4	53.6	349.9	0.6	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
409	0.599	0.114	0.479	34.0	55.3	−21.6	59.4	338.5	0.6	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
410	0.597	0.124	0.591	35.6	58.6	−36.0	68.8	328.4	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
411	0.575	0.084	0.725	36.1	65.7	−55.0	85.7	320.0	0.7	318	0.784	0.0	1.0	48.6	87.0	−72.8	113.5	320.0
412	0.501	0.04	0.861	35.6	71.7	−75.3	104.0	313.5	0.5	304	0.568	0.0	1.0	40.8	81.3	−85.9	118.3	313.4
413	0.264	0.0	0.999	32.8	76.9	−99.4	125.7	307.7	0.0	284	0.263	0.0	1.0	32.8	76.9	−99.3	125.7	307.7
414	0.605	0.101	0.064	31.3	48.6	38.2	61.8	38.1	1.0	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
415	0.619	0.237	0.251	37.2	39.2	18.3	43.2	25.0	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
416	0.614	0.24	0.33	37.6	40.2	6.6	40.7	9.3	0.4	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
417	0.608	0.245	0.421	38.3	41.6	−6.2	42.1	351.4	0.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
418	0.607	0.25	0.482	38.9	43.2	−14.5	45.5	341.3	0.4	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
419	0.605	0.256	0.593	40.4	46.8	−28.8	55.0	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
420	0.58	0.243	0.728	40.8	53.2	−47.8	71.5	318.0	0.1	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
421	0.495	0.216	0.865	39.5	59.8	−69.4	91.6	310.7	0.5	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
422	0.342	0.243	1.0	40.0	60.9	−87.4	106.5	304.8	0.5	263	0.0	0.116	1.0	32.3	70.0	−100.3	122.3	304.9
423	0.602	0.246	0.051	36.4	34.2	43.3	55.2	51.6	0.7	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
424	0.623	0.247	0.156	37.5	36.9	32.5	49.2	41.3	0.3	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
425	0.626	0.335	0.332	42.7	29.2	13.6	32.2	25.0	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
426	0.617	0.339	0.415	43.1	30.3	1.8	30.3	3.4	0.5	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
427	0.613	0.343	0.488	43.8	32.0	−8.1	33.0	345.7	0.5	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
428	0.609	0.351	0.595	45.1	35.1	−21.7	41.2	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
429	0.578	0.339	0.73	45.2	41.4	−41.2	58.4	315.1	0.3	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
430	0.477	0.311	0.868	43.2	47.9	−63.9	79.9	306.8	0.3	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
431	0.474	0.443	1.0	52.3	38.8	−67.2	77.6	300.0	1.1	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
432	0.6	0.354	0.06	42.1	19.7	46.9	50.9	67.2	0.8	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
433	0.614	0.364	0.18	43.4	21.0	35.7	41.4	59.5	0.4	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
434	0.63	0.371	0.271	44.6	23.3	24.9	34.1	46.9	0.3	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
435	0.624	0.425	0.417	48.3	19.1	8.9	21.1	25.1	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
436	0.612	0.43	0.507	48.9	20.6	−3.2	20.9	351.0	0.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
437	0.608	0.438	0.595	49.9	23.1	−14.4	27.2	328.0	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
438	0.569	0.424	0.732	49.5	29.2	−34.6	45.3	310.2	0.3	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
439	0.545	0.495	0.869	54.9	26.0	−45.2	52.2	299.9	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
440	0.573	0.604	1.0	63.6	21.1	−49.1	53.4	293.3	0.9	247	0.0	0.392	1.0	44.9	34.7	−79.7	86.9	293.5
441	0.598	0.435	0.072	47.1	8.2	50.1	50.8	80.7	0.9	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
442	0.609	0.45	0.197	48.5	8.6	39.2	40.1	77.5	0.6	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
443	0.616	0.466	0.298	50.1	9.0	28.1	29.5	72.1	0.5	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
444	0.622	0.48	0.388	51.5	10.2	17.5	20.3	59.6	0.4	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
445	0.616	0.512	0.506	54.1	9.4	4.4	10.4	25.3	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
446	0.602	0.518	0.595	54.8	11.2	−7.1	13.3	327.7	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
447	0.578	0.545	0.731	57.1	12.7	−22.6	26.0	299.3	0.4	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
448	0.62	0.644	0.867	65.5	10.0	−28.3	30.0	289.6	0.2	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
449	0.665	0.737	1.0	73.4	8.7	−33.6	34.8	284.5	0.6	239	0.0	0.5	1.0	51.8	18.3	−68.3	70.7	285.0
450	0.598	0.514	0.085	52.3	−2.5	53.5	53.5	92.7	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
451	0.607	0.53	0.218	53.8	−2.1	42.5	42.6	92.8	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
452	0.61	0.545	0.318	55.2	−1.7	31.7	31.8	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
453	0.61	0.56	0.413	56.6	−1.1	20.8	20.9	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
454	0.604	0.577	0.505	58.0	−0.5	10.1	10.2	93.3	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
455	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
456	0.646	0.675	0.726	66.8	0.0	−7.2	7.2	270.5	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
457	0.701	0.76	0.864	74.3	0.3	−14.3	14.3	271.2	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
458	0.752	0.846	1.0	81.7	0.3	−20.8	20.8	270.9	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
459	0.725	0.723	0.086	69.2	−15.7	68.4	70.2	102.9	0.5	89	1.0	0.999	0.0	92.6	−20.6	90.7	93.0	102.7
460	0.714	0.723	0.251	69.2	−15.3	56.1	58.1	105.2	0.3	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
461	0.696	0.723	0.357	69.1	−15.1	44.2	46.8	108.9	0.3	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
462	0.673	0.724	0.452	69.1	−15.0	32.3	35.7	114.9	0.3	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
463	0.635	0.728	0.543	69.0	−15.9	20.4	25.9	127.9	0.3	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
464	0.65	0.728	0.689	70.1	−8.3	2.5	8.7	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
465	0.652	0.712	0.724	69.3	−4.4	−3.2	5.5	216.2	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
466	0.702	0.801	0.861	76.9	−5.0	−10.0	11.2	243.3	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
467	0.752	0.889	1.0	84.4	−5.0	−16.7	17.5	253.2	0.4	226	0.0	0.71	1.0	66.3	−12.7	−45.7	47.4	254.3
468	0.749	0.86	0.053	78.9	−29.6	77.4	82.9	110.9	0.4	96	0.868	1.0	0.0	90.3	−33.7	88.0	94.2	110.9
469	0.73	0.86	0.259	78.8	−29.8	65.2	71.7	114.5	0.1	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
470	0.709	0.861	0.378	78.8	−29.9	53.1	61.0	119.3	0.3	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
471	0.664	0.864	0.479	78.6	−31.7	41.1	51.9	127.6	0.3	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
472	0.634	0.869	0.612	79.0	−30.2	25.1	39.3	140.2	0.2	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
473	0.706	0.865	0.788	80.7	−16.4	5.0	17.1	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
474	0.714	0.864	0.849	81.1	−12.7	−2.2	12.9	189.8	0.2	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
475	0.707	0.835	0.86	79.2	−8.9	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
476	0.756	0.929	1.0	87.0	−9.7	−12.8	16.1	232.6	0.4	220	0.0	0.808	1.0	73.3	−25.2	−35.1	43.2	234.3
477	0.742	0.999	0.0	88.4	−45.6	85.7	97.0	118.0	0.1	104	0.743	1.0	0.0	88.4	−45.5	85.7	97.1	117.9
478	0.725	1.0	0.263	88.3	−45.4	74.1	86.9	121.4	0.1	108	0.67	1.0	0.0	87.5	−51.8	84.7	99.3	121.4
479	0.68	1.0	0.394	88.0	−47.1	61.7	77.6	127.3	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
480	0.61	1.0	0.501	87.4	−49.9	49.2	70.1	135.4	1.3	142	0.132	1.0	0.0	83.7	−81.2	80.1	114.1	135.4
481	0.676	1.0	0.724	89.0	−37.2	24.8	44.7	146.2	1.4	175	0.0	1.0	0.436	84.1	−76.0	51.4	91.8	145.9
482	0.764	1.0	0.874	90.9	−24.0	8.8	25.6	159.8	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
483	0.769	1.0	0.954	91.4	−19.8	−0.4	19.8	181.3	0.9	203	0.0	1.0	0.88	86.0	−54.3	0.4	54.3	179.5
484	0.774	0.997	1.0	91.6	−16.8	−5.8	17.8	199.1	0.2	210	0.0	0.982	1.0	85.6	−44.5	−15.8	47.3	199.6
485	0.765	0.961	1.0	89.2	−13.1	−9.5	16.2	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.4**

1−1131330−F0

PE520−7N, Page 14/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

1−1131330−F0

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS
application for measurement of display output, no separation

TUB material: code=rha4ta

n	HIC^*_{Fde}	rgb_{Fde}			ict_{Fde}			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
486	R00Y_075_075de	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.197	38.1	58.7	27.9	65.0	25.4	0.731	0.086	0.201	37.8	59.2	27.8	65.4	25.1	0.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
487	R35Y_075_075de	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.279	38.5	59.4	16.4	61.6	15.4	0.729	0.092	0.281	38.2	59.8	15.9	61.9	14.9	0.6	368	1.0	0.0	0.373	51.3	79.2	21.9	82.2	15.4
488	R18Y_075_075de	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.364	38.9	60.8	4.5	61.0	4.3	0.729	0.09	0.362	38.6	61.3	4.0	61.4	3.7	0.8	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
489	R00Y_075_075de	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.463	39.7	62.7	−8.7	63.3	352.0	0.728	0.097	0.457	39.4	63.0	−9.4	63.7	351.4	0.7	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
490	B65R_075_075de	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.514	40.2	64.1	−15.2	65.9	346.6	0.73	0.093	0.504	39.9	64.6	−15.8	66.5	346.1	0.7	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
491	B57R_075_075de	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.618	41.3	66.8	−28.1	72.5	337.1	0.729	0.098	0.6	41.0	67.1	−28.4	72.9	337.0	0.4	339	1.0	0.0	0.824	55.0	89.1	−37.5	96.7	337.1
492	B50R_075_075de	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.743	42.8	70.6	−43.0	82.7	328.6	0.727	0.108	0.719	42.6	70.7	−43.3	82.9	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
493	B43R_087_087de	0.75	0.0	0.875	0.875	0.875	0.437	322	0.709	0.0	0.875	43.4	76.9	−62.2	98.9	321.0	0.7	0.055	0.86	43.1	77.2	−62.6	99.4	320.9	0.5	319	0.811	0.0	1.0	49.6	87.9	−71.1	113.0	321.0
494	B38R_100_100de	0.75	0.0	1.0	1.0	1.0	0.5	316	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3	0.637	0.0	1.0	43.1	82.8	−82.0	116.5	315.2	0.1	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
495	R15Y_075_075de	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.0	0.092	37.9	57.9	41.3	71.1	35.5	0.731	0.088	0.101	37.6	58.3	41.6	71.7	35.5	0.6	383	1.0	0.0	0.123	50.5	77.2	55.0	94.8	35.5
496	R00Y_075_062de	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.289	43.7	48.9	23.3	54.2	25.4	0.749	0.256	0.282	43.6	48.7	23.1	53.9	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
497	R31Y_075_062de	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.372	44.0	49.9	11.7	51.2	13.2	0.746	0.257	0.363	44.0	49.8	11.4	51.1	12.9	0.2	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
498	R11Y_075_062de	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.458	44.6	51.3	−0.1	51.3	359.8	0.742	0.26	0.448	44.5	51.2	−0.5	51.2	359.3	0.4	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
499	B69R_075_062de	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.523	45.1	52.5	−8.8	53.3	350.4	0.74	0.263	0.512	45.0	52.5	−9.2	53.4	349.9	0.4	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
500	B59R_075_062de	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.62	46.1	55.1	−21.1	59.0	339.0	0.738	0.267	0.603	45.9	55.1	−21.2	59.0	338.9	0.1	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
501	B50R_075_062de	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.744	47.6	58.8	−35.9	68.9	328.6	0.736	0.274	0.722	47.4	58.8	−36.0	69.0	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
502	B42R_087_075de	0.75	0.125	0.875	0.875	0.75	0.5	321	0.713	0.125	0.875	48.4	65.2	−54.6	85.1	320.0	0.716	0.261	0.863	48.2	65.2	−54.7	85.1	319.9	0.2	318	0.784	0.0	1.0	48.6	87.0	−72.8	113.5	320.0
503	B36R_100_087de	0.75	0.125	1.0	1.0	0.875	0.562	314	0.622	0.125	1.0	47.6	71.1	−75.1	103.5	313.4	0.645	0.238	1.0	47.4	71.0	−74.9	103.2	313.4	0.3	304	0.568	0.0	1.0	40.8	81.3	−85.9	118.3	313.4
504	R31Y_075_075de	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.217	0.0	41.5	47.3	50.1	68.9	46.6	0.731	0.231	0.035	41.3	47.5	50.5	69.3	46.7	0.5	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
505	R18Y_075_062de	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.125	0.163	43.5	48.2	37.3	61.0	37.7	0.754	0.254	0.178	43.4	48.0	37.6	61.0	38.0	0.3	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
506	R00Y_075_050de	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
507	R26Y_075_050de	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.464	49.6	40.2	7.0	40.8	9.8	0.755	0.367	0.449	49.6	40.0	6.6	40.6	9.4	0.3	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
508	R00Y_075_050de	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.558	50.3	41.8	−5.8	42.2	352.0	0.747	0.373	0.543	50.3	41.5	−5.9	41.9	351.7	0.3	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
509	B61R_075_050de	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.623	50.9	43.3	−14.1	45.6	341.8	0.744	0.377	0.606	50.9	43.0	−14.0	45.2	341.8	0.3	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
510	B50R_075_050de	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.745	52.4	47.0	−28.7	55.1	328.6	0.743	0.385	0.724	52.4	46.7	−28.6	54.8	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
511	B40R_087_062de	0.75	0.25	0.875	0.875	0.625	0.562	319	0.705	0.25	0.875	52.9	53.3	−47.7	71.5	318.1	0.719	0.375	0.866	52.9	53.0	−47.7	71.3	318.0	0.2	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
512	B34R_100_075de	0.75	0.25	1.0	1.0	0.75	0.625	311	0.583	0.25	1.0	51.6	59.3	−69.1	91.1	310.5	0.636	0.35	1.0	51.4	58.9	−68.5	90.3	310.6	0.7	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
513	R50Y_075_075de	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.365	0.0	47.3	32.0	53.1	62.0	58.8	0.729	0.364	0.045	47.2	31.9	53.8	62.5	59.3	0.6	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
514	R38Y_075_062de	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.362	0.125	48.4	34.3	42.5	54.7	51.0	0.748	0.369	0.176	48.3	34.0	42.9	54.8	51.6	0.5	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
515	R23Y_075_050de	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.301	0.25	49.5	37.2	32.4	49.3	41.0	0.769	0.371	0.269	49.5	37.0	32.3	49.1	41.1	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
516	R00Y_075_037de	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.473	54.8	29.3	13.9	32.5	25.4	0.765	0.459	0.451	54.7	29.1	13.6	32.1	25.1	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
517	R18Y_075_037de	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.557	55.2	30.4	2.2	30.5	4.3	0.754	0.464	0.537	55.2	30.1	2.0	30.2	3.9	0.3	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
518	B65R_075_037de	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.632	55.8	32.0	−7.6	32.9	346.6	0.749	0.468	0.611	55.8	31.8	−7.5	32.6	346.6	0.2	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
519	B50R_075_037de	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.746	57.2	35.3	−21.5	41.3	328.6	0.744	0.478	0.725	57.1	34.9	−21.4	41.0	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
520	B38R_087_050de	0.75	0.375	0.875	0.875	0.5	0.625	316	0.694	0.375	0.875	57.3	41.4	−40.9	58.2	315.3	0.714	0.467	0.868	57.2	41.2	−41.0	58.1	315.1	0.2	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
521	B30R_100_062de	0.75	0.375	1.0	1.0	0.625	0.687	307	0.466	0.375	1.0	55.3	47.7	−63.7	79.6	306.8	0.618	0.437	1.0	55.0	46.9	−62.6	78.3	306.8	1.3	277	0.145	0.0	1.0	31.2	76.3	−102.0	127.4	306.8
522	R68Y_075_075de	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.469	0.0	52.6	19.2	56.3	59.5	71.1	0.728	0.461	0.056	52.5	18.9	57.0	60.0	71.6	0.7	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
523	R61Y_075_062de	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.485	0.125	54.1	19.8	46.1	50.2	66.6	0.743	0.477	0.195	54.1	19.5	46.6	50.5	67.3	0.6	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
524	R50Y_075_050de	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.493	0.25	55.4	21.3	35.4	41.3	58.8	0.756	0.487	0.298	55.4	20.9	35.4	41.2	59.3	0.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
525	R31Y_075_037de	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.483	0.375	56.5	23.6	25.0	34.4	46.6	0.77	0.494	0.389	56.5	23.3	24.8	34.1	46.8	0.3	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
526	R00Y_075_025de	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.565	60.4	19.5	9.3	21.6	25.4	0.76	0.549	0.54	60.2	19.3	9.0	21.3	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
527	R00Y_075_025de	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.654	60.9	20.9	−2.9	21.1	352.0	0.746	0.555	0.631	60.8	20.6	−2.8	20.8	352.1	0.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
528	B50R_075_025de	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.747	62.0	23.5	−14.3	27.5	328.6	0.741	0.562	0.726	61.8	23.3	−14.4	27.4	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
529	B34R_087_037de	0.75	0.5	0.875	0.875	0.375	0.687	311	0.666	0.5	0.875	61.6	29.6	−34.5	45.5	310.5	0.702	0.549	0.869	61.4	29.3	−34.7	45.4	310.2	0.3	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
530	B25R_100_050de	0.75	0.5	1.0	1.0	0.5	0.75	300	0.5	0.635	1.0	66.8	26.3	−45.3	52.4	300.1	0.68	0.62	1.0	66.5	25.7	−44.3	51.3	300.1	1.2	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
531	R85Y_075_075de	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.557	0.0	57.6	8.0	59.7	60.2	82.2	0.727	0.543	0.063	57.5	7.7	60.3	60.8	82.6	0.7	75	1.0	0.742	0.0	76.8	10.7	79.6	80.3	82.2
532	R81Y_075_062de	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.574	0.125	59.1	8.6	49.3	50.0	80.0	0.739	0.558	0.212	59.0	8.3	49.6	50.3	80.4	0.4	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
533	R76Y_075_050de	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.592	0.25	60.6	9.1	38.8	39.9	76.7	0.748	0.573	0.319	60.4	8.9	38.8	39.8	77.0	0.2	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
534	R68Y_075_037de	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.609	0.375	62.0	9.6	28.1	29.7	71.1	0.753	0.59	0.418	61.9	9.4	27.8	29.4	71.1	0.3	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
535	R50Y_075_025de	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.621	0.5	63.4	10.6	17.7	20.6	58.8	0.757	0.604	0.51	63.3	10.7	17.3	20.3	58.1	0.4	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
536	R00Y_075_012de	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.657	65.9	9.7	4.6	10.8	25.4	0.749	0.637	0.629	65.8	9.7	4.6	10.8	25.4	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
537	B50R_075_012de	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.748	66.7	11.7	−7.1	13.7	328.6	0.734	0.644	0.725	66.5	11.6	−7.3	13.7	328.0	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
538	B25R_087_025de	0.75	0.625	0.875	0.875	0.25	0.75	300	0.625	0.692	0.875	69.1	13.1	−22.6	26.2	300.1	0.71	0.672	0.868	68.9	13.0	−22.9	26.3	299.6	0.3	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
539	B15R_100_037de	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.79	1.0	77.6	10.1	−28.1	29.9	289.7	0.755	0.777	1.0	77.4	9.6	−27.3	28.9	289.4	0.9	243	0.0	0.44	1.0	47.9	26.9	−75.0	79.7	289.7
540	Y00G_075_075de	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.642	0.0	62.7	−2.5	63.3	63.4	92.3	0.728	0.622	0.072	62.6	−2.5	63.9	63.9	92.2	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
541	Y00G_075_062de	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.66	0.125	64.2	−2.1	52.8	52.8	92.3	0.738	0.638	0.232	64.0	−2.1	52.8	52.8	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
542	Y00G_075_050de	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.678	0.25	65.7	−1.7	42.2	42.2	92.3	0.745	0.655	0.341	65.6	−1.7	42.1	42.2	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
543	Y00G_075_037de	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.696	0.375	67.1	−1.2	31.6	31.7	92.3	0.746	0.671	0.441	67.0	−1.3	31.4	31.4	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
544	Y00G_075_025de	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.714	0.5	68.6	−0.8	21.1	21.1	92.3	0.744	0.688	0.536	68.4	−0.8	20.8	20.8	92.4	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
545	Y00G_075_012de	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.732	0.625	70.0	−0.4	10.5	10.5	92.3	0.736	0.706	0.629	69.9	−0.5	10.5	10.5	93.0	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
546	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
547	B00R_087_012de	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.826	0.875	78.9	0.2	−7.0	7.0	271.7	0.78	0.809	0.862	78.8	0.1	−7.2	7.2	270.8	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
548	B00R_100_025de	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.902	1.0	86.3	0.4	−14.1	14.1	271.7	0.837	0.897	1.0	86.2	0.1	−13.8	13.8	270.5	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
549	Y13G_087_087de	0.75	0.875	0.0	0.875	0.875	0.437	98	0.875	0.86	0.0	80.1	−16.2	78.8	80.5	101.6	0.862	0.845	0.05	80.0	−16.3	79.2	80.8	101.6	0.3	89	1.0	0.983	0.0	91.5	−18.5	90.1	92.0	101.6
550	Y15G_087_075de	0.75	0.875	0.125	0.875	0.75	0.5	99	0.875	0.874	0.125	81.3	−15.4	68.0	69.7	102.7	0.871	0.858	0.264	81.3	−15.5	68.0	69.7	102.8	0.0	89	1.0	0.999	0.0	92.6	−20.6	90.7	93.0	102.7
551	Y18G_087_062de	0.75	0.875	0.25	0.875	0.625	0.562	101	0.852	0.875	0.25	81.3	−15.2	56.3	58.3	105.1	0.856	0.859	0.383	81.2	−15.2	56.1	58.1	105.2	0.2	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
552	Y23G_087_050de	0.75	0.875	0.375	0.875	0.5	0.625	104	0.828	0.875	0.375	81.2	−14.9	44.4	46.9	108.6	0.836	0.859	0.485	81.1	−15.0	44.2	46.7	108.8	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
553	Y31G_087_037de	0.75	0.875	0.5	0.875	0.375	0.687	109	0.802	0.875	0.5	81.2	−14.8	32.6	35.8	114.4	0.81	0.86	0.578	81.1	−15.0	32.6	35.9	114.7	0.2	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
554	Y50G_087_025de	0.75	0.875	0.625	0.875	0.25	0.75	120	0.757	0.875	0.625	81.1	−15.7	20.7	26.0	127.2	0.77	0.864	0.67	81.0	−15.9	20.8	26.2	127.4	0.2	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
555	G00B_087_012de	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.838	82.2	−8.0	2.5	8.4	162.2	0.784	0.863	0.824	82.1	−8.2	2.5	8.6	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
556	G50B_087_012de	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.861	0.875	81.4	−4.2	−3.2	5.3	216.9	0.786	0.847	0.86	81.3	−4.4	−3.2	5.5	216.4	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
557	G75B_100_025de	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.94	1.0	89.0	−4.7	−9.9	10.9	244.3	0.839	0.939	1.0	88.9	−5.0	−9.8	11.0	242.8	0.3	223	0.0	0.763	1.0	70.0	−19.0	−39.6	43.9	244.3
558	Y23G_100_100de	0.75	1.0	0.0	1.0	1.0	0.5	104	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6	0.906	1.0	0.0	90.9	−30.0	88.7	93.6	108.6	0.2	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
559	Y26G_100_087de	0.75	1.0	0.125	1.0	0.875	0.562	106	0.884	1.0	0.125	90.9	−29.5	77.0	82.4	110.9	0.895	0.999	0.268	90.9	−29.5	77.0	82.5	110.9	0.1	96	0.868	1.0	0.0	90.3	−33.7	88.0	94.2	110.9
560	Y31G_100_075de	0.75	1.0	0.25	1.0	0.75	0.625	109	0.854	1.0	0.25	90.9	−29.6	65.3	71.7	114.4	0.874	1.0	0.398	90.8	−29.7	65.1	71.6	114.5	0.1	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
561	Y38G_100_062de	0.75	1.0	0.375	1.0	0.625	0.687	113	0.824	1.0	0.375	90.8	−29.7	53.4	61.1	119.1	0.851	1.0	0.509	90.7	−29.6	53.0	60.7	119.1	0.4	105	0.719	1.0	0.0	88.1	−47.6	85.4	97.8	119.1
562	Y50G_100_050de	0.75	1.0	0.5	1.0	0.5	0.75	120	0.764	1.0	0.5	90.7	−31.5	41.4	52.0	127.2	0.803	1.0	0.607	90.2	−31.1	41.0	51.5	127.1	0.6	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
563	Y68G_100_037de	0.75	1.0	0.625	1.0	0.375	0.812	131	0.625	1.0	0.727	91.0	−30.0	25.1	39.1	140.0	0.771	1.0	0.744	90.3	−29.0	24.2	37.8	140.0	1.4	165	0.0	1.0	0.273	83.8	−80.1	67.0	104.4	140.0
564	G00B_100_025de	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.926	92.8	−16.1	5.1	16.9	162.2	0.844	1.0	0.926	92.3	−15.5	4.5	16.2	163.7	0.9	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
565	G25B_100_025de	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.987	93.1	−12.4	−2.1	12.6	189.6	0.852	1.0	0.988	92.8	−12.0	−2.5	12.3	192.0	0.7	207	0.0	1.0	0.951	86.5	−49.9	−8.4	50.6	189.6
566	G50B_100_025de	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	0.972	1.0	91.3	−8.5	−6.4	10.7	216.9	0.847	0.974	1.0	91.2	−8.7	−6.4	10.8	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.4**

1−1131430−F0

PE520−7N, Page 15/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

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

1−1131430−F0

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 16/22

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde				
567	R00Y_087_087de	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.23	44.5	68.5	32.6	75.8	25.4
568	R36Y_087_087de	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.315	44.8	69.4	20.6	72.4	16.5
569	R23Y_087_087de	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.395	45.3	70.7	9.5	71.4	7.6
570	R08Y_087_087de	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.487	45.9	72.4	−2.9	72.4	357.6
571	B70R_087_087de	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.538	46.3	73.1	−9.8	73.8	352.3
572	B63R_087_087de	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.632	47.2	75.5	−21.9	78.6	343.7
573	B56R_087_087de	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.735	48.3	78.3	−34.5	85.6	336.1
574	B50R_087_087de	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.867	50.0	82.3	−50.2	96.5	328.6
575	B44R_100_100de	0.875	0.0	1.0	1.0	1.0	0.5	323	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9
576	R13Y_087_087de	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.0	0.122	44.3	67.7	46.4	82.1	34.3
577	R00Y_087_075de	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.322	50.1	58.7	27.9	65.0	25.4
578	R35Y_087_075de	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.404	50.4	59.4	16.4	61.6	15.4
579	R18Y_087_075de	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.489	50.9	60.8	4.5	61.0	4.3
580	R00Y_087_075de	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.588	51.6	62.7	−8.7	63.3	352.0
581	B65R_087_075de	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.639	52.1	64.1	−15.2	65.9	346.6
582	B57R_087_075de	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.743	53.2	66.8	−28.1	72.5	337.1
583	B50R_087_075de	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.868	54.8	70.6	−43.0	82.7	328.6
584	B43R_100_087de	0.875	0.125	1.0	1.0	0.875	0.562	322	0.834	0.125	1.0	55.3	76.9	−62.2	98.9	321.0
585	R26Y_087_087de	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.173	0.0	46.4	60.9	57.4	83.7	43.3
586	R15Y_087_075de	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.125	0.217	49.8	57.9	41.3	71.1	35.5
587	R00Y_087_062de	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.414	55.6	48.9	23.3	54.2	25.4
588	R31Y_087_062de	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.497	56.0	49.9	11.7	51.2	13.2
589	R11Y_087_062de	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.583	56.5	51.3	−0.1	51.3	359.8
590	B69R_087_062de	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.648	57.0	52.5	−8.8	53.3	350.4
591	B59R_087_062de	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.745	58.0	55.1	−21.1	59.0	339.0
592	B50R_087_062de	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.869	59.5	58.8	−35.9	68.9	328.6
593	B42R_100_075de	0.875	0.25	1.0	1.0	0.75	0.625	321	0.838	0.25	1.0	60.3	65.2	−54.6	85.1	320.0
594	R41Y_087_087de	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.358	0.0	52.2	45.0	60.4	75.4	53.3
595	R31Y_087_075de	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.342	0.125	53.4	47.3	50.1	68.9	46.6
596	R18Y_087_062de	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.25	0.288	55.4	48.2	37.3	61.0	37.7
597	R00Y_087_050de	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.506	61.2	39.1	18.6	43.3	25.4
598	R26Y_087_050de	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.589	61.6	40.2	7.0	40.8	9.8
599	R00Y_087_050de	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.683	62.2	41.8	−5.8	42.2	352.0
600	B61R_087_050de	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.748	62.8	43.3	−14.1	45.6	341.8
601	B50R_087_050de	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.87	64.3	47.0	−28.7	55.1	328.6
602	B40R_100_062de	0.875	0.375	1.0	1.0	0.625	0.687	319	0.83	0.375	1.0	64.8	53.3	−47.7	71.5	318.1
603	R58Y_087_087de	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.483	0.0	58.0	30.5	63.9	70.8	64.4
604	R50Y_087_075de	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.49	0.125	59.2	32.0	53.1	62.0	58.8
605	R38Y_087_062de	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.487	0.25	60.3	34.3	42.5	54.7	51.0
606	R23Y_087_050de	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.426	0.375	61.4	37.2	32.4	49.3	41.0
607	R00Y_087_037de	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.598	66.8	29.3	13.9	32.5	25.4
608	R18Y_087_037de	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.682	67.1	30.4	2.2	30.5	4.3
609	B65R_087_037de	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.757	67.8	32.0	−7.6	32.9	346.6
610	B50R_087_037de	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.871	69.1	35.3	−21.5	41.3	328.6
611	B38R_100_050de	0.875	0.5	1.0	1.0	0.5	0.75	316	0.819	0.5	1.0	69.3	41.4	−40.9	58.2	315.3
612	R73Y_087_087de	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.578	0.0	63.1	18.6	67.1	69.7	74.4
613	R68Y_087_075de	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.594	0.125	64.5	19.2	56.3	59.5	71.1
614	R61Y_087_062de	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.61	0.25	66.1	19.8	46.1	50.2	66.6
615	R50Y_087_050de	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.618	0.375	67.3	21.3	35.4	41.3	58.8
616	R31Y_087_037de	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.608	0.5	68.4	23.6	25.0	34.4	46.6
617	R00Y_087_025de	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.69	72.3	19.5	9.3	21.6	25.4
618	R00Y_087_025de	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.779	72.8	20.9	−2.9	21.1	352.0
619	B50R_087_025de	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.872	73.9	23.5	−14.3	27.5	328.6
620	B34R_100_037de	0.875	0.625	1.0	1.0	0.375	0.812	311	0.791	0.625	1.0	73.5	29.6	−34.5	45.5	310.5
621	R86Y_087_087de	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.66	0.0	67.8	8.1	70.0	70.5	83.4
622	R85Y_087_075de	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.682	0.125	69.5	8.0	59.7	60.2	82.2
623	R81Y_087_062de	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.699	0.25	71.0	8.6	49.3	50.0	80.0
624	R76Y_087_050de	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.717	0.375	72.5	9.1	38.8	39.9	76.7
625	R68Y_087_037de	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.734	0.5	74.0	9.6	28.1	29.7	71.1
626	R50Y_087_025de	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.746	0.625	75.4	10.6	17.7	20.6	58.8
627	R00Y_087_012de	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.782	77.9	9.7	4.6	10.8	25.4
628	B50R_087_012de	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.873	78.7	11.7	−7.1	13.7	328.6
629	B25R_100_025de	0.875	0.75	1.0	1.0	0.25	0.875	300	0.75	0.817	1.0	81.1	13.1	−22.6	26.2	300.1
630	Y00G_087_087de	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.749	0.0	73.2	−2.9	73.9	74.0	92.3
631	Y00G_087_075de	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.767	0.125	74.7	−2.5	63.3	63.4	92.3
632	Y00G_087_062de	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.785	0.25	76.1	−2.1	52.8	52.8	92.3
633	Y00G_087_050de	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.803	0.375	77.6	−1.7	42.2	42.2	92.3
634	Y00G_087_037de	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.821	0.5	79.1	−1.2	31.6	31.7	92.3
635	Y00G_087_025de	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.839	0.625	80.5	−0.8	21.1	21.1	92.3
636	Y00G_087_012de	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.857	0.75	82.0	−0.4	10.5	10.5	92.3
637	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0
638	B00R_100_012de	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.951	1.0	90.8	0.2	−7.0	7.0	271.7
639	Y11G_100_100de	0.875	1.0	0.0	1.0	1.0	0.5	97	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4
640	Y13G_100_087de	0.875	1.0	0.125	1.0	0.875	0.562	98	1.0	0.985	0.125	92.0	−16.2	78.8	80.5	101.6
641	Y15G_100_075de	0.875	1.0	0.25	1.0	0.75	0.625	99	1.0	0.999	0.25	93.3	−15.4	68.0	69.7	102.7
642	Y18G_100_062de	0.875	1.0	0.375	1.0	0.625	0.687	101	0.977	1.0	0.375	93.2	−15.2	56.3	58.3	105.1
643	Y23G_100_050de	0.875	1.0	0.5	1.0	0.5	0.75	104	0.953	1.0	0.5	93.2	−14.9	44.4	46.9	108.6
644	Y31G_100_037de	0.875	1.0	0.625	1.0	0.375	0.812	109	0.927	1.0	0.625	93.1	−14.8	32.6	35.8	114.4
645	Y50G_100_025de	0.875	1.0	0.75	1.0	0.25	0.875	120	0.882	1.0	0.75	93.0	−15.7	20.7	26.0	127.2
646	G00B_100_012de	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.963	94.1	−8.0	2.5	8.4	162.2
647	G50B_100_012de	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	0.986	1.0	93.3	−4.2	−3.2	5.3	216.9

n	rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
567	0.864	0.053	0.232	44.3	68.9	32.4	76.1	25.2	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
568	0.863	0.055	0.317	44.6	69.7	20.2	72.6	16.1	0.5	369	1.0	0.0	0.36	51.3	79.3	23.5	82.7	16.5
569	0.865	0.049	0.395	45.1	71.2	9.0	71.7	7.2	0.6	363	1.0	0.0	0.452	51.7	80.8	10.8	81.6	7.6
570	0.864	0.051	0.484	45.7	72.8	−3.5	72.8	357.1	0.7	356	1.0	0.0	0.557	52.5	82.7	−3.4	82.8	357.6
571	0.863	0.059	0.534	46.1	73.5	−10.3	74.3	351.9	0.6	352	1.0	0.0	0.615	52.9	83.5	−11.2	84.3	352.3
572	0.864	0.057	0.622	47.0	75.9	−22.0	79.0	343.7	0.4	345	1.0	0.0	0.723	53.9	86.3	−25.1	89.9	343.7
573	0.862	0.061	0.722	48.0	78.6	−34.8	86.0	336.0	0.4	338	1.0	0.0	0.84	55.2	89.5	−39.5	97.9	336.1
574	0.861	0.068	0.853	49.8	82.7	−50.5	96.9	328.5	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
575	0.837	0.0	1.0	50.6	88.6	−69.4	112.5	321.9	0.1	321	0.837	0.0	1.0	50.7	88.7	−69.4	112.6	321.9
576	0.864	0.052	0.13	44.1	68.2	46.2	82.4	34.1	0.4	382	1.0	0.0	0.14	50.6	77.4	53.0	93.8	34.3
577	0.884	0.266	0.313	50.0	58.7	27.7	65.0	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
578	0.88	0.269	0.397	50.3	59.5	16.0	61.6	15.1	0.3	368	1.0	0.0	0.373	51.3	79.2	21.9	82.2	15.4
579	0.878	0.271	0.482	50.8	60.9	4.1	61.1	3.9	0.4	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
580	0.874	0.275	0.579	51.5	62.7	−8.9	63.4	351.8	0.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
581	0.876	0.275	0.628	52.0	64.2	−15.2	66.0	346.6	0.1	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
582	0.874	0.28	0.731	53.0	67.0	−28.3	72.7	337.1	0.2	339	1.0	0.0	0.824	55.0	89.1	−37.5	96.7	337.1
583	0.872	0.287	0.856	54.6	70.8	−43.3	83.0	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
584	0.847	0.271	1.0	55.2	76.9	−62.0	98.8	321.0	0.2	319	0.811	0.0	1.0	49.6	87.9	−71.1	113.0	321.0
585	0.863	0.187	0.019	46.1	61.5	57.3	84.1	43.0	0.6	40	1.0	0.198	0.0	53.0	69.6	65.6	95.7	43.3
586	0.887	0.265	0.213	49.7	57.9	41.5	71.2	35.6	0.2	383	1.0	0.0	0.123	50.5	77.2	55.0	94.8	35.5
587	0.899	0.388	0.399	55.6	48.8	23.0	54.0	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
588	0.893	0.391	0.484	55.9	49.8	11.4	51.1	12.9	0.3	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
589	0.888	0.394	0.57	56.4	51.2	−0.2	51.2	359.7	0.1	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
590	0.884	0.398	0.636	56.9	52.4	−8.7	53.1	350.4	0.1	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
591	0.882	0.403	0.734	57.9	55.0	−21.1	58.9	339.0	0.1	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
592	0.879	0.411	0.859	59.5	58.8	−35.9	68.9	328.5	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
593	0.861	0.401	1.0	60.2	65.0	−54.0	84.6	320.2	0.6	318	0.784	0.0	1.0	48.6	87.0	−72.8	113.5	320.0
594	0.863	0.361	0.021	52.2	45.0	60.6	75.5	53.4	0.1	54	1.0	0.41	0.0	59.7	51.4	69.1	86.1	53.3
595	0.885	0.366	0.169	53.4	47.2	50.5	69.1	46.9	0.4	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
596	0.906	0.385	0.294	55.4	48.1	37.3	60.9	37.7	0.1	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
597	0.908	0.492	0.486	61.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
598	0.899	0.496	0.572	61.6	39.9	7.0	40.6	9.9	0.2	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
599	0.889	0.502	0.67	62.2	41.4	−5.6	41.8	352.2	0.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
600	0.885	0.506	0.737	62.9	43.0	−14.0	45.2	341.9	0.3	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
601	0.884	0.515	0.86	64.3	46.8	−28.6	54.9	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
602	0.862	0.501	1.0	64.5	53.3	−47.1	71.2	318.5	0.6	314	0.729	0.0	1.0	46.5	85.3	−76.3	114.5	318.1
603	0.863	0.481	0.024	58.0	30.3	64.2	71.0	64.6	0.2	63	1.0	0.552	0.0	66.3	34.9	73.1	81.0	64.4
604	0.88	0.49	0.19	59.2	31.7	53.6	62.3	59.3	0.6	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
605	0.898	0.495	0.296	60.3	34.1	42.6	54.6	51.3	0.2	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
606	0.918	0.498	0.387	61.4	37.0	32.3	49.1	41.0	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
607	0.908	0.586	0.574	66.6	29.3	13.8	32.4	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
608	0.895	0.59	0.663	67.0	30.4	2.2	30.5	4.2	0.1	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
609	0.888	0.595	0.743	67.6	32.1	−7.7	33.0	346.5	0.1	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
610	0.884	0.604	0.861	69.0	35.4	−21.6	41.5	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
611	0.855	0.595	1.0	69.0	41.1	−40.1	57.4	315.7	0.9	309	0.638	0.0	1.0	43.2	82.9	−81.9	116.5	315.3
612	0.862	0.571	0.031	63.0	18.6	67.3	69.8	74.5	0.2	70	1.0	0.661	0.0	72.1	21.3	76.7	79.6	74.4
613	0.876	0.585	0.209	64.4	19.2	56.6	59.8	71.2	0.3	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
614	0.89	0.601	0.32	65.9	19.9	46.1	50.2	66.6	0.1	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
615	0.901	0.611	0.42	67.1	21.4	35.1	41.1	58.5	0.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
616	0.914	0.619	0.512	68.3	23.8	24.6	34.3	45.9	0.4	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
617	0.9	0.678	0.666	72.1	19.5	9.2	21.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
618	0.884	0.683	0.763	72.6	20.9	−3.0	21.1	351.7	0.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
619	0.88	0.692	0.861	73.7	23.6	−14.5	27.7	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
620	0.841	0.677	1.0	73.2	29.2	−33.6	44.5	310.9	1.0	296	0.444	0.0	1.0	37.0	79.0	−92.2	121.5	310.5
621	0.861	0.65	0.04	67.6	8.1	70.3	70.8	83.3	0.3	76	1.0	0.754	0.0	77.5	9.2	80.0	80.5	83.4
622	0.874	0.669	0.226	69.4	8.1	59.8	60.4	82.2	0.2	75	1.0	0.742	0.0	76.8	10.7	79.6	80.3	82.2
623	0.884	0.685	0.341	70.8	8.6	49.2	50.0	79.9	0.1	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
624	0.892	0.702	0.443	72.3	9.1	38.6	39.7	76.6	0.2	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
625	0.894	0.72	0.542	73.8	9.6	27.9	29.5	70.9	0.2	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
626	0.897	0.735	0.635	75.2	10.7	17.7	20.7	58.8	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
627	0.886	0.769	0.762	77.8	9.7	4.6	10.8	25.3	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
628	0.872	0.777	0.861	78.5	11.7	−7.2	13.8	328.2	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
629	0.848	0.806	1.0	80.9	12.7	−21.8	25.3	300.2	0.9	254	0.0	0.27	1.0	38.2	52.7	−90.7	104.9	300.1
630	0.862	0.737	0.042	73.1	−2.9	74.2	74.3	92.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
631	0.874	0.754	0.243	74.6	−2.5	63.3	63.3	92.2	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
632	0.881	0.77	0.362	76.0	−2.1	52.6	52.7	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
633	0.885	0.787	0.467	77.5	−1.7	42.0	42.0	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
634	0.885	0.804	0.566	78.9	−1.4	31.5	31.6	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
635	0.881	0.823	0.663	80.4	−1.0	21.2	21.2	92.8	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
636	0.873	0.841	0.761	81.9	−0.5	10.5	10.5	92.8	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
637	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
638	0.918	0.947	1.0	90.7	0.0	−6.9	6.9	270.0	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
639	1.0	0.966	0.0	90.5	−16.7	89.1	90.7	100.6	0.3	88	1.0	0.966	0.0	90.5	−16.5	89.4	91.0	100.4
640	1.0	0.984	0.267	91.8	−17.5	78.6	80.5	102.5	1.3	89	1.0	0.983	0.0	91.5	−18.5	90.1	92.0	101.6
641	1.0	0.998	0.404	92.9	−17.4	67.5	69.7	104.4	2.0	89	1.0	0.999	0.0	92.6	−20.6	90.7	93.0	102.7
642	1.0	0.998	0.514	93.2	−15.4	56.1	58.2	105.4	0.3	91	0.963	1.0	0.0	92.0	−24.3	90.1	93.3	105.1
643	0.98	0.999	0.613	93.1	−15.0	44.6	47.0	108.6	0.1	94	0.906	1.0	0.0	91.0	−29.9	88.9	93.8	108.6
644	0.95	1.0	0.709	93.0	−15.0	32.7	36.0	114.6	0.2	100	0.806	1.0	0.0	89.4	−39.5	87.0	95.6	114.4
645	0.907	1.0	0.805	92.7	−15.4	20.3	25.5	127.1	0.5	118	0.528	1.0	0.0	85.9	−63.0	82.8	104.1	127.2
646	0.922	1.0	0.963	93.8	−7.7	2.1	8.0	164.2	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
647	0.924	0.987	1.0	93.3	−4.3	−3.2	5.4	216.5	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9

Mean color difference of this page: **delta E'^* = 0.3**

1−1131530−F0

PE520−7N, Page 16/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of display output, no separation

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 17/22

n	HIC*Fde	rgb_Fde			ict_Fde			$h_{si\_F,de}$	rgb*Fde			LabCh*Fde				
648	R00Y_100_100de	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
649	R38Y_100_100de	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6
650	R26Y_100_100de	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
651	R13Y_100_100de	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9
652	R00Y_100_100de	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
653	B68R_100_100de	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4
654	B61R_100_100de	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
655	B55R_100_100de	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2
656	B50R_100_100de	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
657	R11Y_100_100de	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2
658	R00Y_100_087de	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.355	56.4	68.5	32.6	75.8	25.4
659	R36Y_100_087de	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.44	56.8	69.4	20.6	72.4	16.5
660	R23Y_100_087de	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.52	57.2	70.7	9.5	71.4	7.6
661	R08Y_100_087de	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.612	57.8	72.4	−2.9	72.4	357.6
662	B70R_100_087de	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.663	58.2	73.1	−9.8	73.8	352.3
663	B63R_100_087de	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.757	59.1	75.5	−21.9	78.6	343.7
664	B56R_100_087de	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.86	60.2	78.3	−34.5	85.6	336.1
665	B50R_100_087de	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	0.992	61.9	82.3	−50.2	96.5	328.6
666	R23Y_100_100de	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
667	R13Y_100_087de	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.125	0.247	56.2	67.7	46.4	82.1	34.3
668	R00Y_100_075de	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.447	62.0	58.7	27.9	65.0	25.4
669	R35Y_100_075de	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.529	62.3	59.4	16.4	61.6	15.4
670	R18Y_100_075de	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.614	62.8	60.8	4.5	61.0	4.3
671	R00Y_100_075de	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.713	63.5	62.7	−8.7	63.3	352.0
672	B65R_100_075de	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.764	64.0	64.1	−15.2	65.9	346.6
673	B57R_100_075de	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.868	65.1	66.8	−28.1	72.5	337.1
674	B50R_100_075de	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	0.993	66.7	70.6	−43.0	82.7	328.6
675	R36Y_100_100de	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9
676	R26Y_100_087de	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.298	0.125	58.3	60.9	57.4	83.7	43.3
677	R15Y_100_075de	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.25	0.342	61.8	57.9	41.3	71.1	35.5
678	R00Y_100_062de	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.539	67.6	48.9	23.3	54.2	25.4
679	R31Y_100_062de	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.622	67.9	49.9	11.7	51.2	13.2
680	R11Y_100_062de	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.708	68.4	51.3	−0.1	51.3	359.8
681	B69R_100_062de	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.773	68.9	52.5	−8.8	53.3	350.4
682	B59R_100_062de	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.87	69.9	55.1	−21.1	59.0	339.0
683	B50R_100_062de	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	0.994	71.5	58.8	−35.9	68.9	328.6
684	R50Y_100_100de	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
685	R41Y_100_087de	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.483	0.125	64.2	45.0	60.4	75.4	53.3
686	R31Y_100_075de	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.467	0.25	65.4	47.3	50.1	68.9	46.6
687	R18Y_100_062de	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.375	0.413	67.3	48.2	37.3	61.0	37.7
688	R00Y_100_050de	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4
689	R26Y_100_050de	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.714	73.5	40.2	7.0	40.8	9.8
690	R00Y_100_050de	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.808	74.1	41.8	−5.8	42.2	352.0
691	B61R_100_050de	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.873	74.8	43.3	−14.1	45.6	341.8
692	B50R_100_050de	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	0.995	76.3	47.0	−28.7	55.1	328.6
693	R63Y_100_100de	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8
694	R58Y_100_087de	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.608	0.125	69.9	30.5	63.9	70.8	64.4
695	R50Y_100_075de	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.615	0.25	71.1	32.0	53.1	62.0	58.8
696	R38Y_100_062de	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.612	0.375	72.2	34.3	42.5	54.7	51.0
697	R23Y_100_050de	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.551	0.5	73.3	37.2	32.4	49.3	41.0
698	R00Y_100_037de	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.723	78.7	29.3	13.9	32.5	25.4
699	R18Y_100_037de	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.807	79.1	30.4	2.2	30.5	4.3
700	B65R_100_037de	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.882	79.7	32.0	−7.6	32.9	346.6
701	B50R_100_037de	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	0.996	81.0	35.3	−21.5	41.3	328.6
702	R76Y_100_100de	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
703	R73Y_100_087de	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.703	0.125	75.0	18.6	67.1	69.7	74.4
704	R68Y_100_075de	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.719	0.25	76.4	19.2	56.3	59.5	71.1
705	R61Y_100_062de	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.735	0.375	78.0	19.8	46.1	50.2	66.6
706	R50Y_100_050de	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.743	0.5	79.2	21.3	35.4	41.3	58.8
707	R31Y_100_037de	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.733	0.625	80.4	23.6	25.0	34.4	46.6
708	R00Y_100_025de	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.815	84.2	19.5	9.3	21.6	25.4
709	R00Y_100_025de	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.904	84.7	20.9	−2.9	21.1	352.0
710	B50R_100_025de	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	0.997	85.8	23.5	−14.3	27.5	328.6
711	R88Y_100_100de	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5
712	R86Y_100_087de	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.785	0.125	79.7	8.1	70.0	70.5	83.4
713	R85Y_100_075de	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.807	0.25	81.4	8.0	59.7	60.2	82.2
714	R81Y_100_062de	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.824	0.375	82.9	8.6	49.3	50.0	80.0
715	R76Y_100_050de	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.842	0.5	84.4	9.1	38.8	39.9	76.7
716	R68Y_100_037de	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.859	0.625	85.9	9.6	28.1	29.7	71.1
717	R50Y_100_025de	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.871	0.75	87.3	10.6	17.7	20.6	58.8
718	R00Y_100_012de	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.907	89.8	9.7	4.6	10.8	25.4
719	B50R_100_012de	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	0.998	90.6	11.7	−7.1	13.7	328.6
720	Y00G_100_100de	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
721	Y00G_100_087de	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.874	0.125	85.1	−2.9	73.9	74.0	92.3
722	Y00G_100_075de	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.892	0.25	86.6	−2.5	63.3	63.4	92.3
723	Y00G_100_062de	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.91	0.375	88.1	−2.1	52.8	52.8	92.3
724	Y00G_100_050de	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.928	0.5	89.5	−1.7	42.2	42.2	92.3
725	Y00G_100_037de	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.946	0.625	91.0	−1.2	31.6	31.7	92.3
726	Y00G_100_025de	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.964	0.75	92.4	−0.8	21.1	21.1	92.3
727	Y00G_100_012de	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.982	0.875	93.9	−0.4	10.5	10.5	92.3
728	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

n	rgb'*Fde			LabCh'*Fde					DE'*Fde	$h_{siM,de}$	rgb*Mde			LabCh*Mde				
648	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
649	1.0	0.0	0.35	51.2	78.9	25.0	82.8	17.6	0.3	369	1.0	0.0	0.348	51.2	79.3	25.2	83.2	17.6
650	1.0	0.0	0.431	51.6	80.0	13.7	81.2	9.7	0.6	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
651	1.0	0.0	0.522	52.2	81.5	1.1	81.5	0.7	0.3	358	1.0	0.0	0.521	52.2	81.8	1.3	81.8	0.9
652	1.0	0.0	0.616	52.9	83.4	−11.5	84.2	352.1	0.1	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
653	1.0	0.0	0.647	53.2	84.1	−15.6	85.6	349.4	0.3	350	1.0	0.0	0.65	53.2	84.5	−15.7	85.9	349.4
654	1.0	0.0	0.746	54.1	86.6	−28.2	91.1	341.9	0.1	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
655	1.0	0.0	0.854	55.3	89.7	−41.4	98.8	335.1	0.2	337	1.0	0.0	0.855	55.4	89.9	−41.4	99.0	335.2
656	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
657	1.0	0.0	0.157	50.6	77.3	51.2	92.8	33.5	0.4	381	1.0	0.0	0.156	50.6	77.6	50.9	92.9	33.2
658	1.0	0.274	0.346	55.4	67.0	30.9	73.8	24.8	2.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
659	1.0	0.276	0.434	55.8	68.1	18.9	70.7	15.5	2.2	369	1.0	0.0	0.36	51.3	79.3	23.5	82.7	16.5
660	1.0	0.25	0.5	55.5	71.3	9.0	71.8	7.2	1.8	363	1.0	0.0	0.452	51.7	80.8	10.8	81.6	7.6
661	1.0	0.279	0.607	57.0	71.4	−4.2	71.5	356.6	1.7	356	1.0	0.0	0.557	52.5	82.7	−3.4	82.8	357.6
662	1.0	0.282	0.66	57.5	72.4	−10.8	73.2	351.4	1.4	352	1.0	0.0	0.615	52.9	83.5	−11.2	84.3	352.3
663	1.0	0.285	0.749	58.3	74.7	−22.1	77.9	343.4	1.1	345	1.0	0.0	0.723	53.9	86.3	−25.1	89.9	343.7
664	1.0	0.289	0.859	59.6	77.8	−35.6	85.6	335.4	1.3	338	1.0	0.0	0.84	55.2	89.5	−39.5	97.9	336.1
665	1.0	0.296	0.994	61.3	82.1	−51.2	96.7	328.0	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
666	0.999	0.102	0.0	51.2	74.7	64.8	98.9	40.9	0.2	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
667	1.0	0.272	0.242	55.0	66.0	44.7	79.7	34.1	2.6	382	1.0	0.0	0.14	50.6	77.4	53.0	93.8	34.3
668	1.0	0.409	0.432	60.5	55.4	25.5	61.0	24.7	4.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
669	1.0	0.412	0.501	60.9	56.4	16.4	58.8	16.2	3.3	368	1.0	0.0	0.373	51.3	79.2	21.9	82.2	15.4
670	1.0	0.415	0.605	61.6	58.5	2.9	58.6	2.8	3.0	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
671	1.0	0.42	0.709	62.6	60.9	−10.1	61.7	350.5	2.4	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
672	1.0	0.421	0.749	62.9	62.0	−15.1	63.8	346.2	2.3	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
673	1.0	0.427	0.868	64.2	65.4	−29.5	71.8	335.7	2.1	339	1.0	0.0	0.824	55.0	89.1	−37.5	96.7	337.1
674	1.0	0.436	0.997	65.9	69.4	−44.3	82.4	327.4	1.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
675	0.999	0.359	0.0	57.6	57.0	67.6	88.4	49.8	0.1	50	1.0	0.358	0.0	57.6	56.9	67.8	88.5	49.9
676	1.0	0.344	0.161	57.2	59.0	56.4	81.7	43.7	2.4	40	1.0	0.198	0.0	53.0	69.6	65.6	95.7	43.3
677	1.0	0.408	0.33	60.0	54.0	38.8	66.5	35.6	4.8	383	1.0	0.0	0.123	50.5	77.2	55.0	94.8	35.5
678	1.0	0.5	0.5	64.7	46.4	21.9	51.3	25.2	3.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
679	1.0	0.525	0.607	66.5	46.0	9.6	47.0	11.8	4.6	366	1.0	0.0	0.395	51.4	79.8	18.7	82.0	13.2
680	1.0	0.529	0.699	67.2	48.2	−1.8	48.2	357.7	3.7	357	1.0	0.0	0.533	52.3	82.1	−0.2	82.1	359.8
681	1.0	0.5	0.75	66.3	53.2	−10.2	54.2	349.1	3.0	350	1.0	0.0	0.637	53.1	84.1	−14.2	85.3	350.4
682	1.0	0.538	0.87	69.0	53.0	−22.5	57.6	336.9	2.7	341	1.0	0.0	0.793	54.7	88.2	−33.8	94.5	339.0
683	1.0	0.547	0.999	70.6	57.1	−37.2	68.2	326.8	2.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
684	0.999	0.489	0.0	63.1	42.6	70.7	82.5	58.9	0.1	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
685	1.0	0.493	0.18	63.5	42.7	60.1	73.7	54.5	2.3	54	1.0	0.41	0.0	59.7	51.4	69.1	86.1	53.3
686	1.0	0.5	0.292	64.0	43.0	48.2	64.6	48.2	4.8	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
687	1.0	0.5	0.375	64.2	44.1	38.0	58.3	40.7	5.1	386	1.0	0.0	0.062	50.5	77.2	59.7	97.6	37.7
688	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
689	1.0	0.623	0.7	72.0	36.5	4.7	36.8	7.4	4.6	364	1.0	0.0	0.429	51.6	80.5	14.0	81.7	9.8
690	1.0	0.623	0.804	72.6	40.0	−8.0	40.8	348.5	3.2	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
691	1.0	0.623	0.873	73.2	42.6	−16.5	45.7	338.7	2.9	344	1.0	0.0	0.747	54.1	86.7	−28.3	91.2	341.8
692	1.0	0.645	1.0	75.4	45.0	−29.9	54.1	326.3	2.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
693	1.0	0.588	0.0	68.1	30.4	73.7	79.8	67.5	0.4	65	1.0	0.589	0.0	68.2	30.2	74.2	80.1	67.8
694	1.0	0.607	0.197	69.3	28.8	63.6	69.9	65.6	1.8	63	1.0	0.552	0.0	66.3	34.9	73.1	81.0	64.4
695	1.0	0.618	0.318	70.1	28.7	51.8	59.2	60.9	3.7	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
696	1.0	0.623	0.419	70.6	29.6	40.2	49.9	53.6	5.5	52	1.0	0.379	0.0	58.3	54.9	68.1	87.5	51.0
697	1.0	0.625	0.5	71.0	31.0	30.2	43.3	44.3	6.9	35	1.0	0.102	0.0	51.3	74.4	64.8	98.7	41.0
698	1.0	0.719	0.703	77.2	24.3	11.8	27.1	25.9	5.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
699	1.0	0.723	0.797	78.0	26.9	0.6	26.9	1.4	3.9	360	1.0	0.0	0.486	51.9	81.1	6.1	81.3	4.3
700	1.0	0.728	0.879	78.8	29.4	−8.9	30.8	343.0	3.0	347	1.0	0.0	0.686	53.6	85.5	−20.3	87.9	346.6
701	1.0	0.739	1.0	80.3	33.1	−22.4	40.0	325.8	2.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
702	1.0	0.682	0.0	73.3	18.4	77.1	79.3	76.5	0.5	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
703	1.0	0.7	0.215	74.5	17.0	66.9	69.0	75.6	1.6	70	1.0	0.661	0.0	72.1	21.3	76.7	79.6	74.4
704	1.0	0.716	0.341	75.6	16.4	55.3	57.7	73.4	3.0	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
705	1.0	0.734	0.446	76.9	15.9	44.5	47.3	70.2	4.3	65	1.0	0.576	0.0	67.6	31.8	73.8	80.4	66.6
706	1.0	0.745	0.545	77.9	16.5	33.4	37.3	63.6	5.3	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
707	1.0	0.75	0.625	78.5	18.1	24.0	30.0	52.9	5.9	46	1.0	0.29	0.0	55.4	63.0	66.8	91.8	46.6
708	1.0	0.814	0.8	83.1	15.5	7.7	17.3	26.4	4.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
709	1.0	0.819	0.9	84.1	18.6	−3.9	19.0	348.0	2.5	352	1.0	0.0	0.617	52.9	83.6	−11.6	84.4	352.0
710	1.0	0.827	1.0	85.2	21.7	−15.0	26.4	325.3	1.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
711	1.0	0.766	0.0	78.2	7.7	80.4	80.8	84.4	0.2	77	1.0	0.767	0.0	78.3	7.7	80.7	81.0	84.5
712	1.0	0.783	0.234	79.3	6.7	69.7	70.0	84.4	1.4	76	1.0	0.754	0.0	77.5	9.2	80.0	80.5	83.4
713	1.0	0.803	0.361	80.8	5.6	58.8	59.1	84.5	2.6	75	1.0	0.742	0.0	76.8	10.7	79.6	80.3	82.2
714	1.0	0.82	0.469	82.1	5.3	48.1	48.4	83.6	3.5	74	1.0	0.719	0.0	75.5	13.8	78.9	80.1	80.0
715	1.0	0.838	0.569	83.5	5.4	37.6	37.9	81.8	4.0	72	1.0	0.684	0.0	73.5	18.3	77.7	79.8	76.7
716	1.0	0.856	0.67	85.0	5.8	26.9	27.6	77.8	4.0	68	1.0	0.626	0.0	70.1	25.6	75.1	79.3	71.1
717	1.0	0.872	0.768	86.4	6.9	16.4	17.8	67.0	4.0	59	1.0	0.487	0.0	63.1	42.7	70.8	82.7	58.8
718	1.0	0.907	0.899	89.2	7.3	3.7	8.3	27.1	2.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
719	1.0	0.914	1.0	90.3	10.6	−7.4	13.0	324.9	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
720	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
721	1.0	0.873	0.25	84.8	−4.3	73.4	73.5	93.3	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
722	1.0	0.875	0.375	85.1	−3.0	62.1	62.2	92.7	1.9	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
723	1.0	0.907	0.492	87.4	−4.9	51.7	52.0	95.4	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
724	1.0	0.925	0.594	88.9	−4.7	41.4	41.7	96.5	3.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
725	1.0	0.943	0.696	90.4	−4.1	30.9	31.2	97.6	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
726	1.0	0.961	0.797	91.9	−3.1	20.4	20.7	98.7	2.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
727	1.0	0.98	0.898	93.6	−1.7	10.1	10.3	99.7	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
728	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: delta E'^* = 2.5

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

PE520−7N, Page 17/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

1−1131630−F0

see similar files: http://130.149.60.45/~farbmetrik/PE52/PE52.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 18/22

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			$h_{si\_F,de}$	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*rgb'**$_{Fde}$			*LabCh'**$_{Fde}$					*DE'**$_{Fde}$	$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
729	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
730	G50B_100_012$_{de}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	0.986	1.0	93.3	−4.2	−3.2	5.3	216.9	0.924	0.987	1.0	93.3	−4.3	−3.2	5.4	216.5	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
731	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	0.972	1.0	91.3	−8.5	−6.4	10.7	216.9	0.847	0.974	1.0	91.2	−8.7	−6.4	10.8	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
732	G50B_100_037$_{de}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	0.958	1.0	89.2	−12.8	−9.6	16.0	216.9	0.765	0.961	1.0	89.2	−13.1	−9.5	16.2	216.1	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
733	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	0.945	1.0	87.2	−17.1	−12.8	21.4	216.9	0.676	0.947	1.0	87.1	−17.5	−12.7	21.7	216.0	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
734	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	0.931	1.0	85.2	−21.4	−16.1	26.8	216.9	0.581	0.933	1.0	85.1	−21.8	−15.9	27.0	216.1	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
735	G50B_100_075$_{de}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	0.917	1.0	83.1	−25.6	−19.3	32.1	216.9	0.471	0.919	1.0	83.1	−26.0	−19.0	32.2	216.2	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
736	G50B_100_087$_{de}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	0.903	1.0	81.1	−29.9	−22.5	37.5	216.9	0.322	0.905	1.0	81.0	−30.4	−22.2	37.7	216.2	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
737	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
738	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.907	89.8	9.7	4.6	10.8	25.4	1.0	0.907	0.899	89.2	7.3	3.7	8.3	27.1	2.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
739	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
740	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.861	0.875	81.4	−4.2	−3.2	5.3	216.9	0.786	0.847	0.86	81.3	−4.4	−3.2	5.5	216.4	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
741	G50B_087_025$_{de}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.847	0.875	79.4	−8.5	−6.4	10.7	216.9	0.707	0.835	0.86	79.2	−8.9	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
742	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.833	0.875	77.3	−12.8	−9.6	16.0	216.9	0.629	0.822	0.861	77.2	−13.0	−9.7	16.3	216.6	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
743	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.82	0.875	75.3	−17.1	−12.8	21.4	216.9	0.542	0.809	0.862	75.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
744	G50B_087_062$_{de}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.806	0.875	73.2	−21.4	−16.1	26.8	216.9	0.44	0.795	0.862	73.1	−21.6	−16.2	27.0	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
745	G50B_087_075$_{de}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.792	0.875	71.2	−25.6	−19.3	32.1	216.9	0.312	0.781	0.863	71.1	−25.9	−19.4	32.3	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
746	G50B_087_087$_{de}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.778	0.875	69.1	−29.9	−22.5	37.5	216.9	0.047	0.767	0.863	69.0	−30.1	−22.6	37.7	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
747	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.815	84.2	19.5	9.3	21.6	25.4	1.0	0.814	0.8	83.1	15.5	7.7	17.3	26.4	4.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
748	R00Y_087_012$_{de}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.782	77.9	9.7	4.6	10.8	25.4	0.886	0.769	0.762	77.8	9.7	4.6	10.8	25.3	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
749	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
750	G50B_075_012$_{de}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.736	0.75	69.5	−4.2	−3.2	5.3	216.9	0.652	0.712	0.724	69.3	−4.4	−3.2	5.5	216.2	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
751	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.722	0.75	67.4	−8.5	−6.4	10.7	216.9	0.576	0.7	0.725	67.2	−8.8	−6.5	11.0	216.3	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
752	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.708	0.75	65.4	−12.8	−9.6	16.0	216.9	0.501	0.687	0.725	65.3	−12.8	−9.6	16.0	216.8	0.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
753	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.695	0.75	63.3	−17.1	−12.8	21.4	216.9	0.408	0.674	0.726	63.2	−17.3	−12.9	21.6	216.8	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
754	G50B_075_062$_{de}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.681	0.75	61.3	−21.4	−16.1	26.8	216.9	0.294	0.661	0.726	61.1	−21.7	−16.2	27.1	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
755	G50B_075_075$_{de}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.667	0.75	59.3	−25.6	−19.3	32.1	216.9	0.104	0.647	0.726	59.1	−25.9	−19.4	32.4	216.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
756	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.723	78.7	29.3	13.9	32.5	25.4	1.0	0.719	0.703	77.2	24.3	11.8	27.1	25.9	5.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
757	R00Y_087_025$_{de}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.69	72.3	19.5	9.3	21.6	25.4	0.9	0.678	0.666	72.1	19.5	9.2	21.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
758	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.657	65.9	9.7	4.6	10.8	25.4	0.749	0.637	0.629	65.8	9.7	4.6	10.8	25.4	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
759	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
760	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.611	0.625	57.5	−4.2	−3.2	5.3	216.9	0.524	0.583	0.594	57.4	−4.4	−3.2	5.5	215.9	0.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
761	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.597	0.625	55.5	−8.5	−6.4	10.7	216.9	0.449	0.571	0.595	55.4	−9.0	−6.4	11.1	215.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
762	G50B_062_037$_{de}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.583	0.625	53.5	−12.8	−9.6	16.0	216.9	0.371	0.559	0.595	53.4	−13.2	−9.5	16.3	215.8	0.3	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
763	G50B_062_050$_{de}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.57	0.625	51.4	−17.1	−12.8	21.4	216.9	0.271	0.547	0.595	51.4	−17.7	−12.7	21.8	215.7	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
764	G50B_062_062$_{de}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.556	0.625	49.4	−21.4	−16.1	26.8	216.9	0.126	0.534	0.596	49.4	−21.9	−15.9	27.1	215.9	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
765	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	73.1	39.1	18.6	43.3	25.4	1.0	0.622	0.61	71.4	33.9	16.1	37.6	25.4	5.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
766	R00Y_087_037$_{de}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.598	66.8	29.3	13.9	32.5	25.4	0.908	0.586	0.574	66.6	29.3	13.8	32.4	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
767	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.565	60.4	19.5	9.3	21.6	25.4	0.76	0.549	0.54	60.2	19.3	9.0	21.3	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
768	R00Y_062_012$_{de}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.532	54.0	9.7	4.6	10.8	25.4	0.616	0.512	0.506	54.1	9.4	4.4	10.4	25.3	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
769	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
770	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.486	0.5	45.6	−4.2	−3.2	5.3	216.9	0.4	0.459	0.471	45.7	−4.7	−3.3	5.8	215.5	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
771	G50B_050_025$_{de}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.472	0.5	43.6	−8.5	−6.4	10.7	216.9	0.324	0.448	0.471	43.6	−9.3	−6.6	11.5	215.3	0.8	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
772	G50B_050_037$_{de}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.458	0.5	41.5	−12.8	−9.6	16.0	216.9	0.243	0.437	0.472	41.6	−13.4	−9.7	16.6	215.9	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
773	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.445	0.5	39.5	−17.1	−12.8	21.4	216.9	0.126	0.424	0.472	39.6	−17.6	−12.9	21.9	216.1	0.5	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
774	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.539	67.6	48.9	23.3	54.2	25.4	1.0	0.5	0.5	64.7	46.4	21.9	51.3	25.2	3.9	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
775	R00Y_087_050$_{de}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.506	61.2	39.1	18.6	43.3	25.4	0.908	0.492	0.486	61.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
776	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.473	54.8	29.3	13.9	32.5	25.4	0.765	0.459	0.451	54.7	29.1	13.6	32.1	25.1	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
777	R00Y_062_025$_{de}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.44	48.5	19.5	9.3	21.6	25.4	0.624	0.425	0.417	48.3	19.1	8.9	21.1	25.1	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
778	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.407	42.1	9.7	4.6	10.8	25.4	0.491	0.39	0.384	42.2	9.7	4.5	10.7	25.2	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
779	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
780	G50B_037_012$_{de}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.361	0.375	33.7	−4.2	−3.2	5.3	216.9	0.281	0.34	0.351	33.6	−4.9	−3.4	6.0	215.0	0.6	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
781	G50B_037_025$_{de}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.347	0.375	31.6	−8.5	−6.4	10.7	216.9	0.204	0.329	0.351	31.6	−9.6	−6.7	11.7	214.7	1.1	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
782	G50B_037_037$_{de}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.333	0.375	29.6	−12.8	−9.6	16.0	216.9	0.108	0.318	0.351	29.6	−13.8	−9.7	16.9	215.2	1.0	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
783	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.447	62.0	58.7	27.9	65.0	25.4	1.0	0.409	0.432	60.5	55.4	25.5	61.0	24.7	4.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
784	R00Y_087_062$_{de}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.414	55.6	48.9	23.3	54.2	25.4	0.899	0.388	0.399	55.6	48.8	23.0	54.0	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
785	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	49.3	39.1	18.6	43.3	25.4	0.762	0.363	0.365	49.2	39.0	18.4	43.1	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
786	R00Y_062_037$_{de}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.348	42.9	29.3	13.9	32.5	25.4	0.626	0.335	0.332	42.7	29.2	13.6	32.2	25.0	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
787	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.315	36.5	19.5	9.3	21.6	25.4	0.497	0.305	0.3	36.5	19.6	9.1	21.6	25.0	0.1	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
788	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.282	30.2	9.7	4.6	10.8	25.4	0.366	0.273	0.268	30.1	9.6	4.5	10.6	25.2	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
789	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
790	G50B_025_012$_{de}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.236	0.25	21.8	−4.2	−3.2	5.3	216.9	0.167	0.226	0.237	21.6	−5.1	−3.5	6.2	214.5	0.9	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
791	G50B_025_025$_{de}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.222	0.25	19.7	−8.5	−6.4	10.7	216.9	0.084	0.217	0.237	19.6	−10.0	−6.7	12.0	213.8	1.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
792	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.355	56.4	68.5	32.6	75.8	25.4	1.0	0.274	0.346	55.4	67.0	30.9	73.8	24.8	2.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
793	R00Y_087_075$_{de}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.322	50.1	58.7	27.9	65.0	25.4	0.884	0.266	0.313	50.0	58.7	27.7	65.0	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
794	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.289	43.7	48.9	23.3	54.2	25.4	0.749	0.256	0.282	43.6	48.7	23.1	53.9	25.3	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
795	R00Y_062_050$_{de}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.256	37.3	39.1	18.6	43.3	25.4	0.619	0.237	0.251	37.2	39.2	18.3	43.2	25.0	0.3	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
796	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.223	31.0	29.3	13.9	32.5	25.4	0.494	0.214	0.219	30.8	29.8	13.7	32.9	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
797	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.19	24.6	19.5	9.3	21.6	25.4	0.368	0.189	0.189	24.3	19.8	8.9	21.7	24.2	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
798	R00Y_025_012$_{de}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.157	18.2	9.7	4.6	10.8	25.4	0.247	0.163	0.16	18.0	9.4	4.3	10.4	24.7	0.5	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
799	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
800	G50B_012_012$_{de}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.111	0.125	9.8	−4.2	−3.2	5.3	216.9	0.061	0.121	0.133	9.5	−5.3	−3.8	6.5	216.0	1.2	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
801	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
802	R00Y_087_087$_{de}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.23	44.5	68.5	32.6	75.8	25.4	0.864	0.053	0.232	44.3	68.9	32.4	76.1	25.2	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
803	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.197	38.1	58.7	27.9	65.0	25.4	0.731	0.086	0.201	37.8	59.2	27.8	65.4	25.1	0.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
804	R00Y_062_062$_{de}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.164	31.8	48.9	23.3	54.2	25.4	0.603	0.103	0.172	31.5	49.2	23.1	54.4	25.1	0.4	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
805	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	25.4	39.1	18.6	43.3	25.4	0.482	0.102	0.144	25.2	39.8	18.4	43.9	24.8	0.7	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
806	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.098	19.0	29.3	13.9	32.5	25.4	0.363	0.092	0.113	18.7	30.3	14.0	33.4	24.7	1.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
807	R00Y_025_025$_{de}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.065	12.7	19.5	9.3	21.6	25.4	0.248	0.077	0.076	12.1	20.4	10.6	23.0	27.4	1.6	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
808	R00Y_012_012$_{de}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.032	6.3	9.7	4.6	10.8	25.4	0.146	0.043	0.037	5.3	11.5	4.6	12.4	21.9	2.0	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
809	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta *E'** = 0.7**

1−1131730−F0

PE520−7N, Page 18/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 19/22

n	HIC^*_{Fde}	rgb_{Fde}			ict_{Fde}			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
810	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
811	B00R_100_012de	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.951	1.0	90.8	0.2	−7.0	7.0	271.7	0.918	0.947	1.0	90.7	0.0	−6.9	6.9	270.0	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
812	B00R_100_025de	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.902	1.0	86.3	0.4	−14.1	14.1	271.7	0.837	0.897	1.0	86.2	0.1	−13.8	13.8	270.5	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
813	B00R_100_037de	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.853	1.0	81.8	0.6	−21.2	21.2	271.7	0.752	0.846	1.0	81.7	0.3	−20.8	20.8	270.9	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
814	B00R_100_050de	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.804	1.0	77.3	0.8	−28.3	28.3	271.7	0.66	0.797	1.0	77.1	0.3	−27.9	27.9	270.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
815	B00R_100_062de	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.755	1.0	72.8	1.0	−35.3	35.3	271.7	0.564	0.748	1.0	72.6	0.7	−34.9	34.9	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
816	B00R_100_075de	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.707	1.0	68.2	1.2	−42.4	42.4	271.7	0.45	0.701	1.0	68.1	0.9	−42.1	42.1	271.2	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
817	B00R_100_087de	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.658	1.0	63.7	1.5	−49.5	49.5	271.7	0.304	0.654	1.0	63.5	1.1	−49.3	49.4	271.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
818	B00R_100_100de	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
819	Y00G_100_012de	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.982	0.875	93.9	−0.4	10.5	10.5	92.3	1.0	0.98	0.898	93.6	−1.7	10.1	10.3	99.7	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
820	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
821	B00R_087_012de	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.826	0.875	78.9	0.2	−7.0	7.0	271.7	0.78	0.809	0.862	78.8	0.1	−7.2	7.2	270.8	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
822	B00R_087_025de	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.777	0.875	74.4	0.4	−14.1	14.1	271.7	0.701	0.76	0.864	74.3	0.3	−14.3	14.3	271.2	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
823	B00R_087_037de	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.728	0.875	69.9	0.6	−21.2	21.2	271.7	0.616	0.711	0.864	69.7	0.5	−21.3	21.3	271.3	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
824	B00R_087_050de	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.679	0.875	65.4	0.8	−28.3	28.3	271.7	0.527	0.664	0.864	65.2	0.8	−28.4	28.4	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
825	B00R_087_062de	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.63	0.875	60.8	1.0	−35.3	35.3	271.7	0.424	0.617	0.864	60.7	1.0	−35.5	35.5	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
826	B00R_087_075de	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.582	0.875	56.3	1.2	−42.4	42.4	271.7	0.294	0.573	0.863	56.2	0.9	−42.5	42.5	271.2	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
827	B00R_087_087de	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.533	0.875	51.8	1.5	−49.5	49.5	271.7	0.033	0.53	0.862	51.8	0.9	−49.4	49.4	271.1	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
828	Y00G_100_025de	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.964	0.75	92.4	−0.8	21.1	21.1	92.3	1.0	0.961	0.797	91.9	−3.1	20.4	20.7	98.7	2.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
829	Y00G_087_012de	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.857	0.75	82.0	−0.4	10.5	10.5	92.3	0.873	0.841	0.761	81.9	−0.5	10.5	10.5	92.8	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
830	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
831	B00R_075_012de	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.701	0.75	67.0	0.2	−7.0	7.0	271.7	0.646	0.675	0.726	66.8	0.0	−7.2	7.2	270.5	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
832	B00R_075_025de	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.652	0.75	62.5	0.4	−14.1	14.1	271.7	0.57	0.628	0.728	62.3	0.4	−14.3	14.3	271.6	0.2	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
833	B00R_075_037de	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.603	0.75	57.9	0.6	−21.2	21.2	271.7	0.487	0.582	0.728	57.9	0.4	−21.2	21.2	271.3	0.1	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
834	B00R_075_050de	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.554	0.75	53.4	0.8	−28.3	28.3	271.7	0.394	0.538	0.728	53.4	0.4	−28.1	28.1	270.8	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
835	B00R_075_062de	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.505	0.75	48.9	1.0	−35.3	35.3	271.7	0.282	0.494	0.727	48.9	0.4	−35.1	35.1	270.7	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
836	B00R_075_075de	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.457	0.75	44.4	1.2	−42.4	42.4	271.7	0.08	0.451	0.726	44.4	0.3	−42.3	42.3	270.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
837	Y00G_100_037de	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.946	0.625	91.0	−1.2	31.6	31.7	92.3	1.0	0.943	0.696	90.4	−4.1	30.9	31.2	97.6	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
838	Y00G_087_025de	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.839	0.625	80.5	−0.8	21.1	21.1	92.3	0.881	0.823	0.663	80.4	−1.0	21.2	21.2	92.8	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
839	Y00G_075_012de	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.732	0.625	70.0	−0.4	10.5	10.5	92.3	0.736	0.706	0.629	69.9	−0.5	10.5	10.5	93.0	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
840	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
841	B00R_062_012de	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.576	0.625	55.1	0.2	−7.0	7.0	271.7	0.52	0.548	0.595	55.0	0.0	−7.0	7.0	269.2	0.3	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
842	B00R_062_025de	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.527	0.625	50.5	0.4	−14.1	14.1	271.7	0.445	0.504	0.597	50.6	0.0	−14.0	14.0	270.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
843	B00R_062_037de	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.478	0.625	46.0	0.6	−21.2	21.2	271.7	0.359	0.459	0.597	46.0	0.0	−21.0	21.0	270.0	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
844	B00R_062_050de	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.429	0.625	41.5	0.8	−28.3	28.3	271.7	0.261	0.416	0.597	41.5	0.2	−28.1	28.1	270.4	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
845	B00R_062_062de	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.38	0.625	37.0	1.0	−35.3	35.3	271.7	0.123	0.374	0.596	37.0	0.7	−35.2	35.2	271.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
846	Y00G_100_050de	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.928	0.5	89.5	−1.7	42.2	42.2	92.3	1.0	0.925	0.594	88.9	−4.7	41.4	41.7	96.5	3.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
847	Y00G_087_037de	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.821	0.5	79.1	−1.2	31.6	31.7	92.3	0.885	0.804	0.566	78.9	−1.4	31.5	31.6	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
848	Y00G_075_025de	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.714	0.5	68.6	−0.8	21.1	21.1	92.3	0.744	0.688	0.536	68.4	−0.8	20.8	20.8	92.4	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
849	Y00G_062_012de	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.607	0.5	58.1	−0.4	10.5	10.5	92.3	0.604	0.577	0.505	58.0	−0.5	10.1	10.2	93.3	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
850	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
851	B00R_050_012de	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.451	0.5	43.1	0.2	−7.0	7.0	271.7	0.396	0.426	0.472	43.2	−0.2	−7.2	7.2	268.3	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
852	B00R_050_025de	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.402	0.5	38.6	0.4	−14.1	14.1	271.7	0.32	0.382	0.473	38.6	0.0	−14.4	14.4	269.8	0.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
853	B00R_050_037de	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.353	0.5	34.1	0.6	−21.2	21.2	271.7	0.232	0.34	0.473	34.1	0.0	−21.5	21.5	270.2	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
854	B00R_050_050de	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.304	0.5	29.6	0.8	−28.3	28.3	271.7	0.112	0.3	0.473	29.6	0.1	−28.5	28.5	270.3	0.7	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
855	Y00G_100_062de	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.91	0.375	88.1	−2.1	52.8	52.8	92.3	1.0	0.907	0.492	87.4	−4.9	51.7	52.0	95.4	3.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
856	Y00G_087_050de	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.803	0.375	77.6	−1.7	42.2	42.2	92.3	0.885	0.787	0.467	77.5	−1.7	42.0	42.0	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
857	Y00G_075_037de	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.696	0.375	67.1	−1.2	31.6	31.7	92.3	0.746	0.671	0.441	67.0	−1.3	31.4	31.4	92.5	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
858	Y00G_062_025de	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.589	0.375	56.7	−0.8	21.1	21.1	92.3	0.61	0.56	0.413	56.6	−1.1	20.8	20.9	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
859	Y00G_050_012de	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.482	0.375	46.2	−0.4	10.5	10.5	92.3	0.479	0.454	0.383	46.2	−0.6	10.4	10.5	93.7	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
860	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
861	B00R_037_012de	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.326	0.375	31.2	0.2	−7.0	7.0	271.7	0.276	0.308	0.352	31.1	−0.4	−7.3	7.3	266.8	0.6	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
862	B00R_037_025de	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.277	0.375	26.7	0.4	−14.1	14.1	271.7	0.199	0.267	0.353	26.6	−0.3	−14.5	14.5	268.5	0.9	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
863	B00R_037_037de	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.228	0.375	22.2	0.6	−21.2	21.2	271.7	0.102	0.227	0.352	22.0	0.0	−21.6	21.6	269.8	0.8	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
864	Y00G_100_075de	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.892	0.25	86.6	−2.5	63.3	63.4	92.3	1.0	0.875	0.375	85.1	−3.0	62.1	62.2	92.7	1.9	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
865	Y00G_087_062de	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.785	0.25	76.1	−2.1	52.8	52.8	92.3	0.881	0.77	0.362	76.0	−2.1	52.6	52.7	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
866	Y00G_075_050de	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.678	0.25	65.7	−1.7	42.2	42.2	92.3	0.745	0.655	0.341	65.6	−1.7	42.1	42.2	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
867	Y00G_062_037de	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.571	0.25	55.2	−1.2	31.6	31.7	92.3	0.61	0.545	0.318	55.2	−1.7	31.7	31.8	93.1	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
868	Y00G_050_025de	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.464	0.249	44.7	−0.8	21.1	21.1	92.3	0.483	0.437	0.294	44.8	−1.1	21.2	21.2	93.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
869	Y00G_037_012de	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.357	0.249	34.3	−0.4	10.5	10.5	92.3	0.356	0.334	0.267	34.2	−0.8	10.4	10.4	94.5	0.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
870	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
871	B00R_025_012de	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.201	0.25	19.3	0.2	−7.0	7.0	271.7	0.162	0.197	0.238	19.0	−0.7	−7.5	7.5	264.4	1.0	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
872	B00R_025_025de	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.152	0.25	14.8	0.4	−14.1	14.1	271.7	0.079	0.16	0.238	14.5	−0.9	−14.6	14.6	266.1	1.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
873	Y00G_100_087de	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.874	0.125	85.1	−2.9	73.9	74.0	92.3	1.0	0.873	0.25	84.8	−4.3	73.4	73.5	93.3	1.4	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
874	Y00G_087_075de	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.767	0.125	74.7	−2.5	63.3	63.4	92.3	0.874	0.754	0.243	74.6	−2.5	63.3	63.3	92.2	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
875	Y00G_075_062de	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.66	0.125	64.2	−2.1	52.8	52.8	92.3	0.738	0.638	0.232	64.0	−2.1	52.8	52.8	92.3	0.1	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
876	Y00G_062_050de	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.553	0.125	53.7	−1.7	42.2	42.2	92.3	0.607	0.53	0.218	53.8	−2.1	42.5	42.6	92.8	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
877	Y00G_050_037de	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.446	0.124	43.3	−1.2	31.6	31.7	92.3	0.482	0.422	0.199	43.3	−1.6	32.2	32.2	92.9	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
878	Y00G_037_025de	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.339	0.124	32.8	−0.8	21.1	21.1	92.3	0.357	0.319	0.18	32.7	−1.4	21.3	21.3	93.7	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
879	Y00G_025_012de	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.232	0.124	22.3	−0.4	10.5	10.5	92.3	0.24	0.221	0.158	22.2	−1.0	10.4	10.5	95.4	0.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
880	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
881	B00R_012_012de	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.076	0.125	7.4	0.2	−7.0	7.0	271.7	0.055	0.084	0.134	6.1	0.8	−9.2	9.2	274.9	2.5	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
882	Y00G_100_100de	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
883	Y00G_087_087de	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.749	0.0	73.2	−2.9	73.9	74.0	92.3	0.862	0.737	0.042	73.1	−2.9	74.2	74.3	92.2	0.3	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
884	Y00G_075_075de	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.642	0.0	62.7	−2.5	63.3	63.4	92.3	0.728	0.622	0.072	62.6	−2.5	63.9	63.9	92.2	0.5	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
885	Y00G_062_062de	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.535	0.0	52.3	−2.1	52.8	52.8	92.3	0.598	0.514	0.085	52.3	−2.5	53.5	53.5	92.7	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
886	Y00G_050_050de	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.428	0.0	41.8	−1.7	42.2	42.2	92.3	0.476	0.408	0.088	41.9	−1.9	43.0	43.1	92.5	0.8	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
887	Y00G_037_037de	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.321	0.0	31.3	−1.2	31.6	31.7	92.3	0.354	0.305	0.081	31.3	−1.7	32.6	32.6	93.0	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
888	Y00G_025_025de	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.214	0.0	20.9	−0.8	21.1	21.1	92.3	0.24	0.207	0.065	20.7	−1.5	22.6	22.6	93.8	1.6	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
889	Y00G_012_012de	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.107	0.0	10.4	−0.4	10.5	10.5	92.3	0.139	0.115	0.038	10.1	−0.3	11.5	11.5	91.7	1.0	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
890	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: delta E'^* = **0.6**

1−1131830−F0

PE520−7N, Page 19/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

input: *rgb/cmyk* −> rgb_{de}
output: 3D-linearization to rgb^*_{de}

1−1131830−F0

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 20/22

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde					rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
891	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
892	B50R_100_012de	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	0.998	90.6	11.7	−7.1	13.7	328.6	1.0	0.914	1.0	90.3	10.6	−7.4	13.0	324.9	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
893	B50R_100_025de	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	0.997	85.8	23.5	−14.3	27.5	328.6	1.0	0.827	1.0	85.2	21.7	−15.0	26.4	325.3	1.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
894	B50R_100_037de	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	0.996	81.0	35.3	−21.5	41.3	328.6	1.0	0.739	1.0	80.3	33.1	−22.4	40.0	325.8	2.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
895	B50R_100_050de	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	0.995	76.3	47.0	−28.7	55.1	328.6	1.0	0.645	1.0	75.4	45.0	−29.9	54.1	326.3	2.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
896	B50R_100_062de	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	0.994	71.5	58.8	−35.9	68.9	328.6	1.0	0.547	0.999	70.6	57.1	−37.2	68.2	326.8	2.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
897	B50R_100_075de	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	0.993	66.7	70.6	−43.0	82.7	328.6	1.0	0.436	0.997	65.9	69.4	−44.3	82.4	327.4	1.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
898	B50R_100_087de	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	0.992	61.9	82.3	−50.2	96.5	328.6	1.0	0.296	0.994	61.3	82.1	−51.2	96.7	328.0	1.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
899	B50R_100_100de	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
900	G00B_100_012de	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.963	94.1	−8.0	2.5	8.4	162.2	0.922	1.0	0.963	93.8	−7.7	2.1	8.0	164.2	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
901	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
902	B50R_087_012de	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.873	78.7	11.7	−7.1	13.7	328.6	0.872	0.777	0.861	78.5	11.7	−7.2	13.8	328.2	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
903	B50R_087_025de	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.872	73.9	23.5	−14.3	27.5	328.6	0.88	0.692	0.861	73.7	23.6	−14.5	27.7	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
904	B50R_087_037de	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.871	69.1	35.3	−21.5	41.3	328.6	0.884	0.604	0.861	69.0	35.4	−21.6	41.5	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
905	B50R_087_050de	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.87	64.3	47.0	−28.7	55.1	328.6	0.884	0.515	0.86	64.3	46.8	−28.6	54.9	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
906	B50R_087_062de	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.869	59.5	58.8	−35.9	68.9	328.6	0.879	0.411	0.859	59.5	58.8	−35.9	68.9	328.5	0.1	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
907	B50R_087_075de	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.868	54.8	70.6	−43.0	82.7	328.6	0.872	0.287	0.856	54.6	70.8	−43.3	83.0	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
908	B50R_087_087de	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.867	50.0	82.3	−50.2	96.5	328.6	0.861	0.068	0.853	49.8	82.7	−50.5	96.9	328.5	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
909	G00B_100_025de	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.926	92.8	−16.1	5.1	16.9	162.2	0.844	1.0	0.926	92.3	−15.5	4.5	16.2	163.7	0.9	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
910	G00B_087_012de	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.838	82.2	−8.0	2.5	8.4	162.2	0.784	0.863	0.824	82.1	−8.2	2.5	8.6	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
911	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	−0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
912	B50R_075_012de	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.748	66.7	11.7	−7.1	13.7	328.6	0.734	0.644	0.725	66.5	11.6	−7.3	13.7	328.0	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
913	B50R_075_025de	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.747	62.0	23.5	−14.3	27.5	328.6	0.741	0.562	0.726	61.8	23.3	−14.4	27.4	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
914	B50R_075_037de	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.746	57.2	35.3	−21.5	41.3	328.6	0.744	0.478	0.725	57.1	34.9	−21.4	41.0	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
915	B50R_075_050de	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.745	52.4	47.0	−28.7	55.1	328.6	0.743	0.385	0.724	52.4	46.7	−28.6	54.8	328.4	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
916	B50R_075_062de	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.744	47.6	58.8	−35.9	68.9	328.6	0.736	0.274	0.722	47.4	58.8	−36.0	69.0	328.5	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
917	B50R_075_075de	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.743	42.8	70.6	−43.0	82.7	328.6	0.727	0.108	0.719	42.6	70.7	−43.3	82.9	328.5	0.3	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
918	G00B_100_037de	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.889	91.5	−24.2	7.7	25.4	162.2	0.764	1.0	0.874	90.9	−24.0	8.8	25.6	159.8	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
919	G00B_087_025de	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.801	80.9	−16.1	5.1	16.9	162.2	0.706	0.865	0.788	80.7	−16.4	5.0	17.1	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
920	G00B_075_012de	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.713	70.2	−8.0	2.5	8.4	162.2	0.65	0.728	0.689	70.1	−8.3	2.5	8.7	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
921	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	−0.2	−0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
922	B50R_062_012de	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.623	54.8	11.7	−7.1	13.7	328.6	0.602	0.518	0.595	54.8	11.2	−7.1	13.3	327.7	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
923	B50R_062_025de	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.622	50.0	23.5	−14.3	27.5	328.6	0.608	0.438	0.595	49.9	23.1	−14.4	27.2	328.0	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
924	B50R_062_037de	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.621	45.2	35.3	−21.5	41.3	328.6	0.609	0.351	0.595	45.1	35.1	−21.7	41.2	328.2	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
925	B50R_062_050de	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.62	40.5	47.0	−28.7	55.1	328.6	0.605	0.256	0.593	40.4	46.8	−28.8	55.0	328.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
926	B50R_062_062de	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.619	35.7	58.8	−35.9	68.9	328.6	0.597	0.124	0.591	35.6	58.6	−36.0	68.8	328.4	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
927	G00B_100_050de	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.853	90.2	−32.3	10.3	33.9	162.2	0.673	1.0	0.853	89.6	−31.6	9.5	33.0	163.2	1.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
928	G00B_087_037de	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.764	79.6	−24.2	7.7	25.4	162.2	0.627	0.867	0.752	79.5	−24.3	7.7	25.6	162.2	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
929	G00B_075_025de	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.676	68.9	−16.1	5.1	16.9	162.2	0.575	0.729	0.655	68.8	−16.3	5.0	17.1	162.7	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
930	G00B_062_012de	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.588	58.3	−8.0	2.5	8.4	162.2	0.523	0.597	0.561	58.2	−8.1	2.4	8.5	163.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
931	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	−0.3	−0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
932	B50R_050_012de	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.498	42.9	11.7	−7.1	13.7	328.6	0.478	0.396	0.472	42.9	11.5	−7.3	13.7	327.3	0.2	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
933	B50R_050_025de	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.497	38.1	23.5	−14.3	27.5	328.6	0.482	0.316	0.472	38.0	23.6	−14.8	27.9	327.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
934	B50R_050_037de	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.496	33.3	35.3	−21.5	41.3	328.6	0.481	0.229	0.471	33.2	35.6	−22.0	41.9	328.2	0.6	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
935	B50R_050_050de	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.495	28.5	47.0	−28.7	55.1	328.6	0.475	0.121	0.469	28.5	47.2	−29.1	55.4	328.3	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
936	G00B_100_062de	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.816	88.9	−40.4	12.9	42.4	162.2	0.576	1.0	0.816	88.4	−39.8	12.1	41.6	162.9	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
937	G00B_087_050de	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.728	78.3	−32.3	10.3	33.9	162.2	0.539	0.867	0.716	78.2	−32.5	10.4	34.1	162.1	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
938	G00B_075_037de	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.639	67.7	−24.2	7.7	25.4	162.2	0.499	0.731	0.62	67.6	−24.1	7.8	25.4	161.9	0.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
939	G00B_062_025de	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.551	57.0	−16.1	5.1	16.9	162.2	0.449	0.599	0.529	56.9	−16.2	4.8	16.9	163.4	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
940	G00B_050_012de	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.463	46.4	−8.0	2.5	8.4	162.2	0.399	0.474	0.438	46.4	−8.5	2.4	8.9	163.9	0.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
941	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	−0.4	−0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
942	B50R_037_012de	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.373	31.0	11.7	−7.1	13.7	328.6	0.355	0.279	0.351	30.9	11.5	−7.4	13.7	326.9	0.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
943	B50R_037_025de	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.372	26.2	23.5	−14.3	27.5	328.6	0.357	0.199	0.351	25.9	23.9	−15.0	28.2	327.7	0.8	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
944	B50R_037_037de	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.371	21.4	35.3	−21.5	41.3	328.6	0.355	0.106	0.35	21.1	35.8	−22.2	42.2	328.2	0.9	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
945	G00B_100_075de	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.779	87.7	−48.5	15.5	50.9	162.2	0.467	1.0	0.78	87.2	−48.0	14.9	50.2	162.6	0.8	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
946	G00B_087_062de	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.691	77.0	−40.4	12.9	42.4	162.2	0.436	0.866	0.681	76.9	−40.7	13.0	42.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
947	G00B_075_050de	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.603	66.4	−32.3	10.3	33.9	162.2	0.404	0.73	0.587	66.3	−32.5	10.3	34.1	162.4	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
948	G00B_062_037de	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.514	55.7	−24.2	7.7	25.4	162.2	0.37	0.599	0.497	55.7	−24.1	7.4	25.3	162.8	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
949	G00B_050_025de	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.426	45.1	−16.1	5.1	16.9	162.2	0.325	0.475	0.407	45.1	−16.8	5.0	17.5	163.4	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
950	G00B_037_012de	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.338	34.4	−8.0	2.5	8.4	162.2	0.279	0.353	0.32	34.4	−8.7	2.4	9.1	164.6	0.7	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
951	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	−0.4	−0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
952	B50R_025_012de	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.248	19.0	11.7	−7.1	13.7	328.6	0.239	0.168	0.237	18.8	11.6	−7.6	13.8	326.6	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
953	B50R_025_025de	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.247	14.2	23.5	−14.3	27.5	328.6	0.241	0.086	0.237	13.7	24.5	−15.3	28.9	327.9	1.4	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
954	G00B_100_087de	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.742	86.4	−56.5	18.1	59.4	162.2	0.32	1.0	0.744	86.1	−56.4	17.8	59.1	162.4	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
955	G00B_087_075de	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.654	75.7	−48.5	15.5	50.9	162.2	0.307	0.864	0.646	75.7	−48.8	15.6	51.3	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
956	G00B_075_062de	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.566	65.1	−40.4	12.9	42.4	162.2	0.291	0.729	0.554	65.0	−40.7	12.7	42.6	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
957	G00B_062_050de	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.478	54.5	−32.3	10.3	33.9	162.2	0.269	0.598	0.463	54.4	−32.6	10.0	34.1	162.8	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
958	G00B_050_037de	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.389	43.8	−24.2	7.7	25.4	162.2	0.245	0.475	0.375	44.0	−24.6	7.8	25.8	162.3	0.4	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
959	G00B_037_025de	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.301	33.2	−16.1	5.1	16.9	162.2	0.203	0.354	0.289	33.1	−17.2	5.0	17.9	163.7	1.1	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
960	G00B_025_012de	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.213	22.5	−8.0	2.5	8.4	162.2	0.165	0.239	0.208	22.4	−9.1	2.3	9.4	165.6	1.0	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
961	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	−0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
962	B50R_012_012de	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.123	7.1	11.7	−7.1	13.7	328.6	0.137	0.052	0.133	6.1	14.1	−8.8	16.6	328.0	3.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6
963	G00B_100_100de	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
964	G00B_087_087de	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.617	74.5	−56.5	18.1	59.4	162.2	0.052	0.861	0.611	74.4	−56.8	18.2	59.7	162.2	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
965	G00B_075_075de	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.529	63.8	−48.5	15.5	50.9	162.2	0.107	0.726	0.521	63.7	−48.6	15.2	50.9	162.5	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
966	G00B_062_062de	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.441	53.2	−40.4	12.9	42.4	162.2	0.125	0.596	0.43	53.1	−40.6	12.7	42.5	162.5	0.2	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
967	G00B_050_050de	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.353	42.5	−32.3	10.3	33.9	162.2	0.126	0.473	0.343	42.7	−32.9	10.5	34.5	162.2	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
968	G00B_037_037de	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.264	31.9	−24.2	7.7	25.4	162.2	0.115	0.353	0.259	32.0	−24.9	7.8	26.1	162.5	0.6	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
969	G00B_025_025de	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.176	21.2	−16.1	5.1	16.9	162.2	0.083	0.239	0.18	21.1	−17.7	5.0	18.4	164.0	1.5	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
970	G00B_012_012de	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.088	10.6	−8.0	2.5	8.4	162.2	0.058	0.134	0.099	10.3	−10.2	3.4	10.7	161.2	2.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
971	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta E'* = 0.6**

1−1131930−F0

PE520−7N, Page 20/22−F

TUB-test chart PE52; hue plane red − green
colors and differences, ΔE'*, 3D=1, de=1*

input: *rgb/cmyk* −> *rgb*de
output: 3D-linearization to *rgb**de

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 21/22

n	HIC*Fde	rgb_Fde			ict_Fde			hsi_F,de	rgb*Fde			LabCh*Fde					rgb'*Fde			LabCh'*Fde					DE'*Fde	hsiM,de	rgb*Mde			LabCh*Mde				
972	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
973	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
974	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
975	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
976	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
977	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
978	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
979	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
980	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
981	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
982	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
983	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
984	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
985	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
986	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
987	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
988	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
989	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
990	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
991	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
992	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
993	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
994	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
995	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
996	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
997	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
998	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
999	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1000	NW_012de	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	11.9	0.0	0.0	0.0	0.0	0.129	0.132	0.132	11.9	-0.2	0.0	0.2	198.6	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1001	NW_025de	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	23.8	0.0	0.0	0.0	0.0	0.232	0.236	0.237	23.7	-0.4	-0.2	0.4	207.2	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1002	NW_037de	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	35.7	0.0	0.0	0.0	0.0	0.345	0.35	0.35	35.7	-0.4	-0.2	0.5	205.6	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1003	NW_050de	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	47.7	0.0	0.0	0.0	0.0	0.466	0.47	0.471	47.7	-0.3	-0.1	0.4	205.6	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1004	NW_062de	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	59.6	0.0	0.0	0.0	0.0	0.59	0.593	0.594	59.4	-0.2	-0.1	0.3	206.3	0.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1005	NW_075de	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	71.5	0.0	0.0	0.0	0.0	0.721	0.724	0.724	71.3	-0.1	0.0	0.2	207.8	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1006	NW_087de	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	83.4	0.0	0.0	0.0	0.0	0.858	0.86	0.86	83.3	0.0	0.0	0.1	212.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1007	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1008	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1009	NW_006de	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	-0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1010	NW_013de	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	-0.5	-0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1011	NW_020de	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	-1.1	-0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1012	NW_026de	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1013	NW_033de	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	-0.7	-0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1014	NW_040de	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1015	NW_046de	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	-0.5	-0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1016	NW_053de	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1017	NW_060de	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	-0.3	-0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1018	NW_066de	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	-0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1019	NW_073de	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	-0.3	-0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1020	NW_080de	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	-0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1021	NW_086de	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	-0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1022	NW_093de	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	-0.2	-0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1023	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1024	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1025	NW_006de	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	-0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1026	NW_013de	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	-0.5	-0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1027	NW_020de	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	-1.1	-0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1028	NW_026de	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1029	NW_033de	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	-0.7	-0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1030	NW_040de	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1031	NW_046de	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	-0.5	-0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1032	NW_053de	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1033	NW_060de	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	-0.3	-0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1034	NW_066de	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	-0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1035	NW_073de	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	-0.3	-0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1036	NW_080de	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	-0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1037	NW_086de	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	-0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1038	NW_093de	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	-0.2	-0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1039	NW_100de	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1040	NW_000de	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1041	NW_006de	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	-0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1042	NW_013de	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	-0.5	-0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1043	NW_020de	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	-1.1	-0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1044	NW_026de	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1045	NW_033de	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	-0.7	-0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1046	NW_040de	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1047	NW_046de	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	-0.5	-0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1048	NW_053de	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1049	NW_060de	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	-0.3	-0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1050	NW_066de	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	-0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1051	NW_073de	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	-0.3	-0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1052	NW_080de	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	-0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

Mean color difference of this page: **delta E'^* = 0.3**

PE520−7N, Page 21/22−F

1−1132030−F0

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

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

TUB registration: 20150701-PE52/PE52L0FP.PDF /.PS TUB material: code=rha4ta
application for measurement of display output, no separation

http://130.149.60.45/~farbmetrik/PE52/PE52L0FP.PDF /.PS; 3D-linearization
F: 3D-linearization PE52/PE52LE30FP.DAT in file (F), page 22/22

n	HIC^*_{Fde}	$rgb\__{Fde}$			$ict\__{Fde}$			$h_{si\_F,de}$	rgb^*_{Fde}			$LabCh^*_{Fde}$					rgb'^*_{Fde}			$LabCh'^*_{Fde}$					DE'^*_{Fde}	$h_{siM,de}$	rgb^*_{Mde}			$LabCh^*_{Mde}$				
1053	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	−0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1054	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	−0.2	−0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1055	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1056	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1057	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	6.2	0.0	0.0	0.0	0.0	0.068	0.07	0.07	4.7	−0.1	0.0	0.1	215.3	1.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1058	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	12.6	0.0	0.0	0.0	0.0	0.134	0.138	0.138	12.6	−0.5	−0.1	0.5	198.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1059	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	19.0	0.0	0.0	0.0	0.0	0.181	0.193	0.193	18.7	−1.1	−0.4	1.2	202.3	1.3	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1060	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	25.3	0.0	0.0	0.0	0.0	0.25	0.251	0.251	25.4	0.0	0.0	0.0	198.2	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1061	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	31.7	0.0	0.0	0.0	0.0	0.303	0.311	0.311	31.6	−0.7	−0.3	0.8	203.1	0.8	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1062	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	38.1	0.0	0.0	0.0	0.0	0.374	0.374	0.374	38.2	0.0	0.0	0.0	217.7	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1063	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	44.4	0.0	0.0	0.0	0.0	0.431	0.437	0.437	44.4	−0.5	−0.2	0.5	203.8	0.5	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1064	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	50.8	0.0	0.0	0.0	0.0	0.503	0.504	0.504	51.0	0.0	0.0	0.0	222.6	0.1	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1065	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	57.2	0.0	0.0	0.0	0.0	0.564	0.569	0.569	57.1	−0.3	−0.1	0.4	204.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1066	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	63.5	0.0	0.0	0.0	0.0	0.634	0.635	0.635	63.3	−0.1	0.0	0.1	207.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1067	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	70.0	0.0	0.0	0.0	0.0	0.703	0.706	0.707	69.8	−0.3	−0.1	0.3	205.7	0.4	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1068	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	76.3	0.0	0.0	0.0	0.0	0.775	0.778	0.778	76.1	−0.1	0.0	0.2	206.4	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1069	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	82.6	0.0	0.0	0.0	0.0	0.847	0.85	0.85	82.5	−0.1	0.0	0.1	209.2	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1070	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	89.0	0.0	0.0	0.0	0.0	0.921	0.924	0.924	88.9	−0.2	−0.1	0.2	207.0	0.2	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1071	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1072	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1073	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.4	0.0	0.0	0.0	325.2	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4	1.0	0.0	0.264	50.9	78.1	37.1	86.5	25.4	0.2	375	1.0	0.0	0.263	50.9	78.3	37.3	86.7	25.4
1075	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9	0.0	0.89	1.0	79.0	−34.1	−25.3	42.5	216.6	0.4	215	0.0	0.89	1.0	79.0	−34.2	−25.7	42.8	216.9
1076	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3	1.0	0.856	0.0	83.6	−3.4	84.2	84.3	92.3	0.2	82	1.0	0.856	0.0	83.7	−3.4	84.5	84.5	92.3
1077	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7	0.0	0.609	1.0	59.2	2.0	−56.3	56.3	272.1	0.4	232	0.0	0.609	1.0	59.2	1.7	−56.6	56.6	271.7
1078	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2	0.0	1.0	0.707	85.1	−64.3	20.9	67.6	162.0	0.3	193	0.0	1.0	0.706	85.1	−64.6	20.7	67.9	162.2
1079	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6	1.0	0.0	0.991	57.1	94.0	−57.4	110.2	328.5	0.0	330	1.0	0.0	0.991	57.1	94.1	−57.4	110.3	328.6

Mean color difference of this page: **delta E'^* = 0.3**

PE520−7N, Page 22/22−F

1−1132130−F0

TUB-test chart PE52; hue plane red − green
colors and differences, $\Delta E'^*$, 3D=1, de=1*

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

see similar files: http://130.149.60.45/~farbmetrik/PE52/PE52.HTM
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

1−1132130−F0