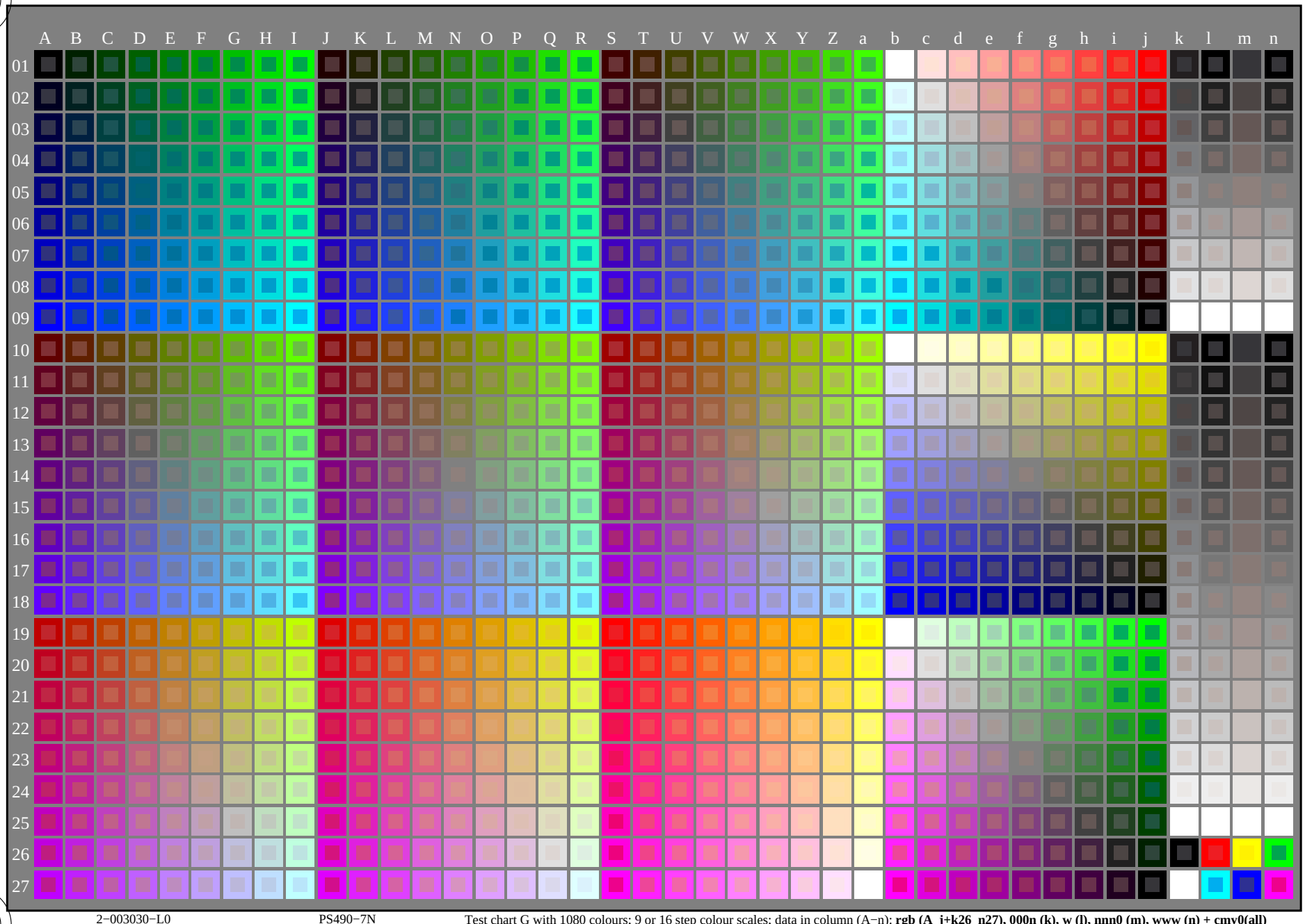
http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; comience salida
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 1/22



vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser

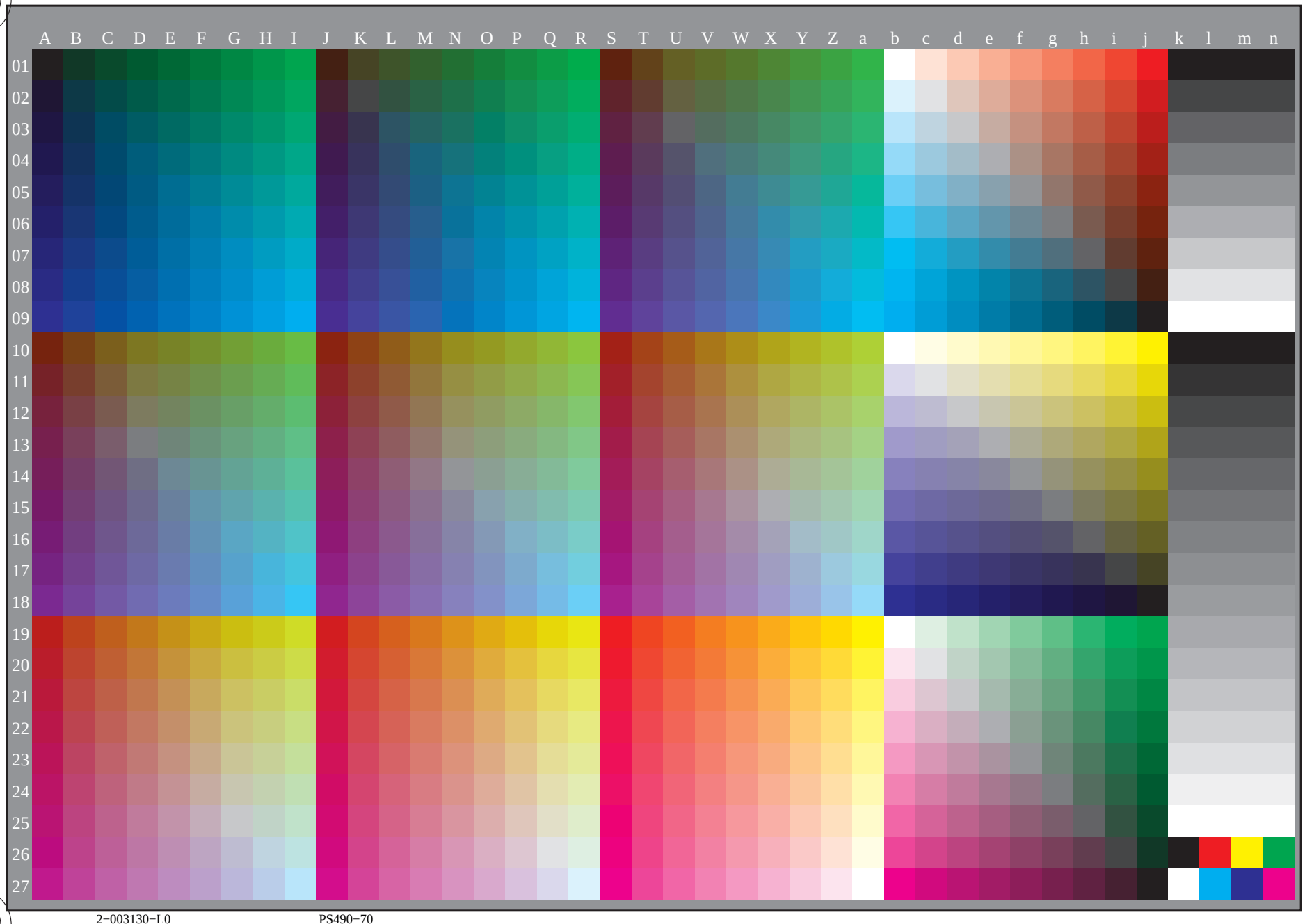
TUB material: code=rha4ta

2−003030−L0 PS490−7N Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A−n): **rgb (A_j+k26_n27), 000n (k), w (l), nnn0 (m), www (n) + cmy0(all)**

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar; tecnología de imagen

entrada: *rgb/cmyk −> rgb/cmyk*
salida: ningún cambio

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 2/22



vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

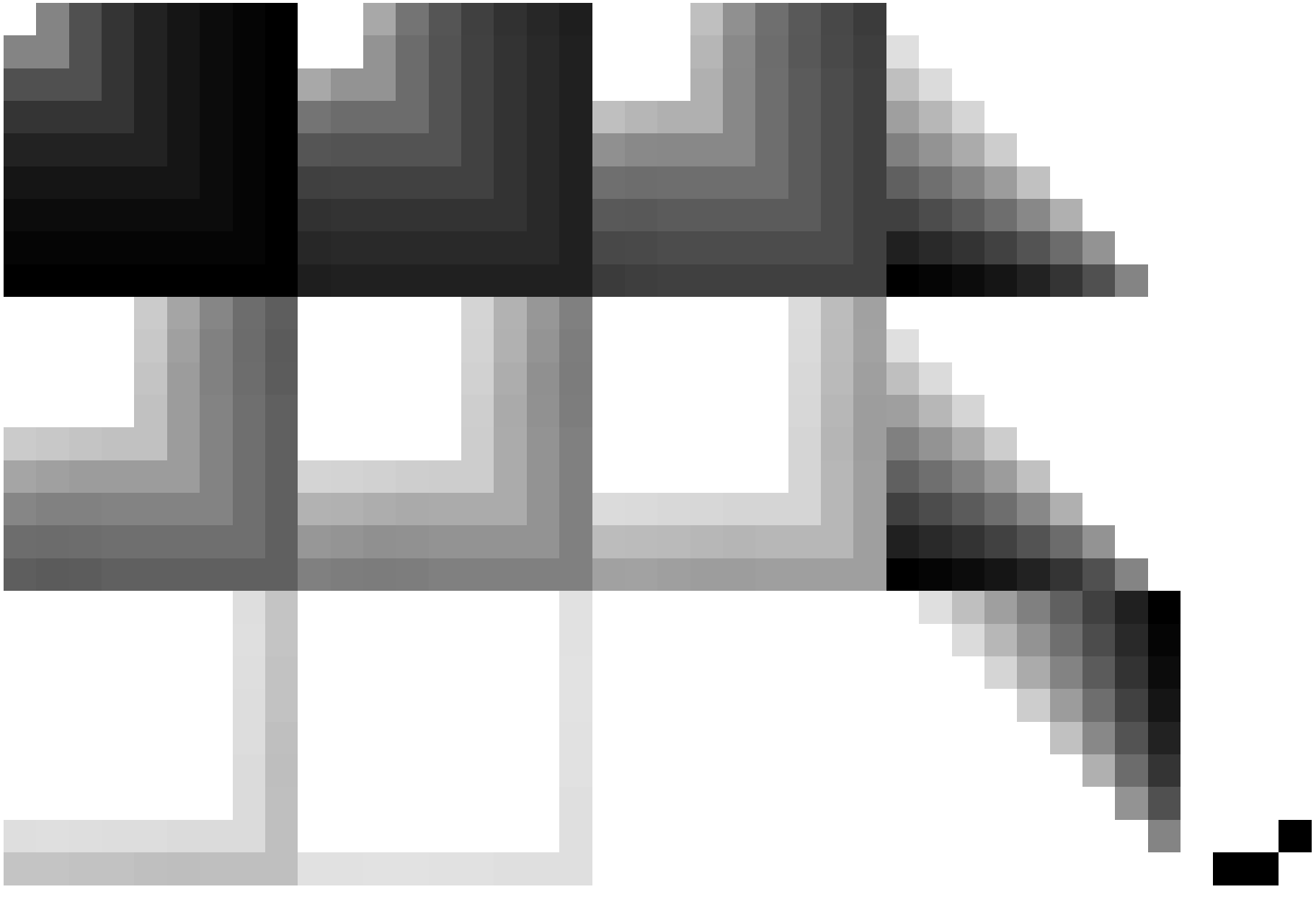
TUB material: code=rha4ta

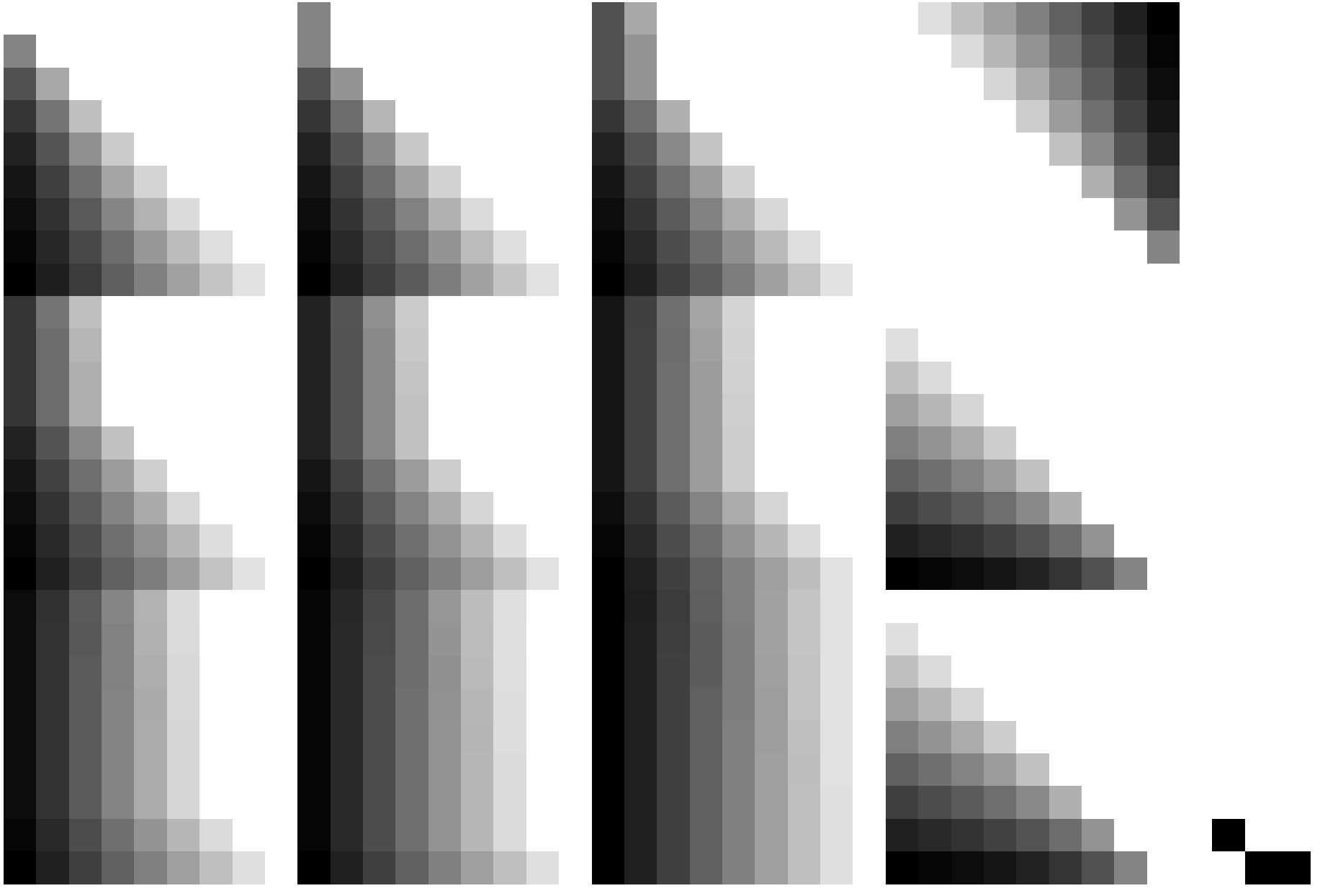
2-003130-L0 PS490-70

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* -> rgb_d
salida: transfiera a $cmyk_d$

2-003130-F0



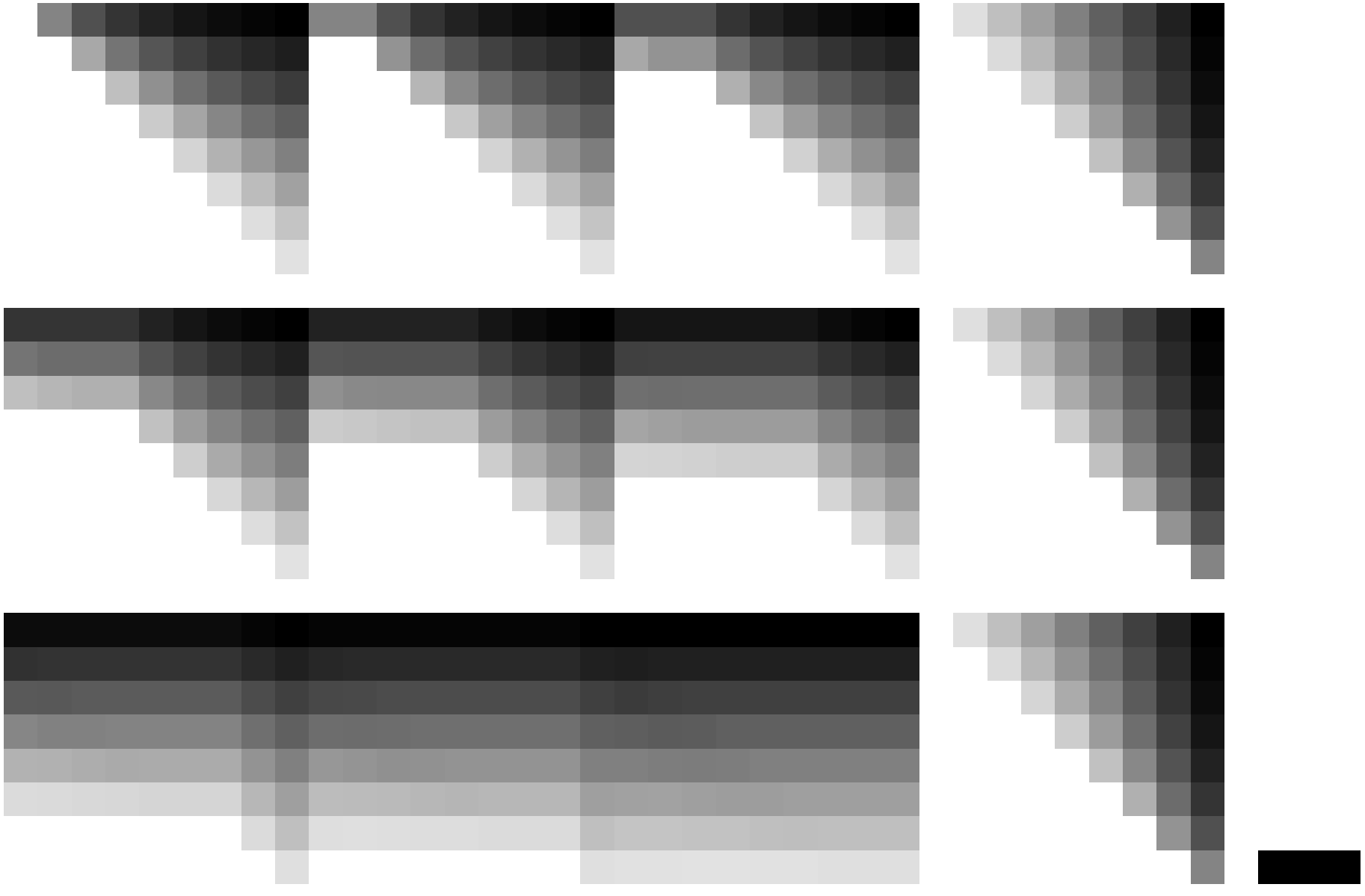


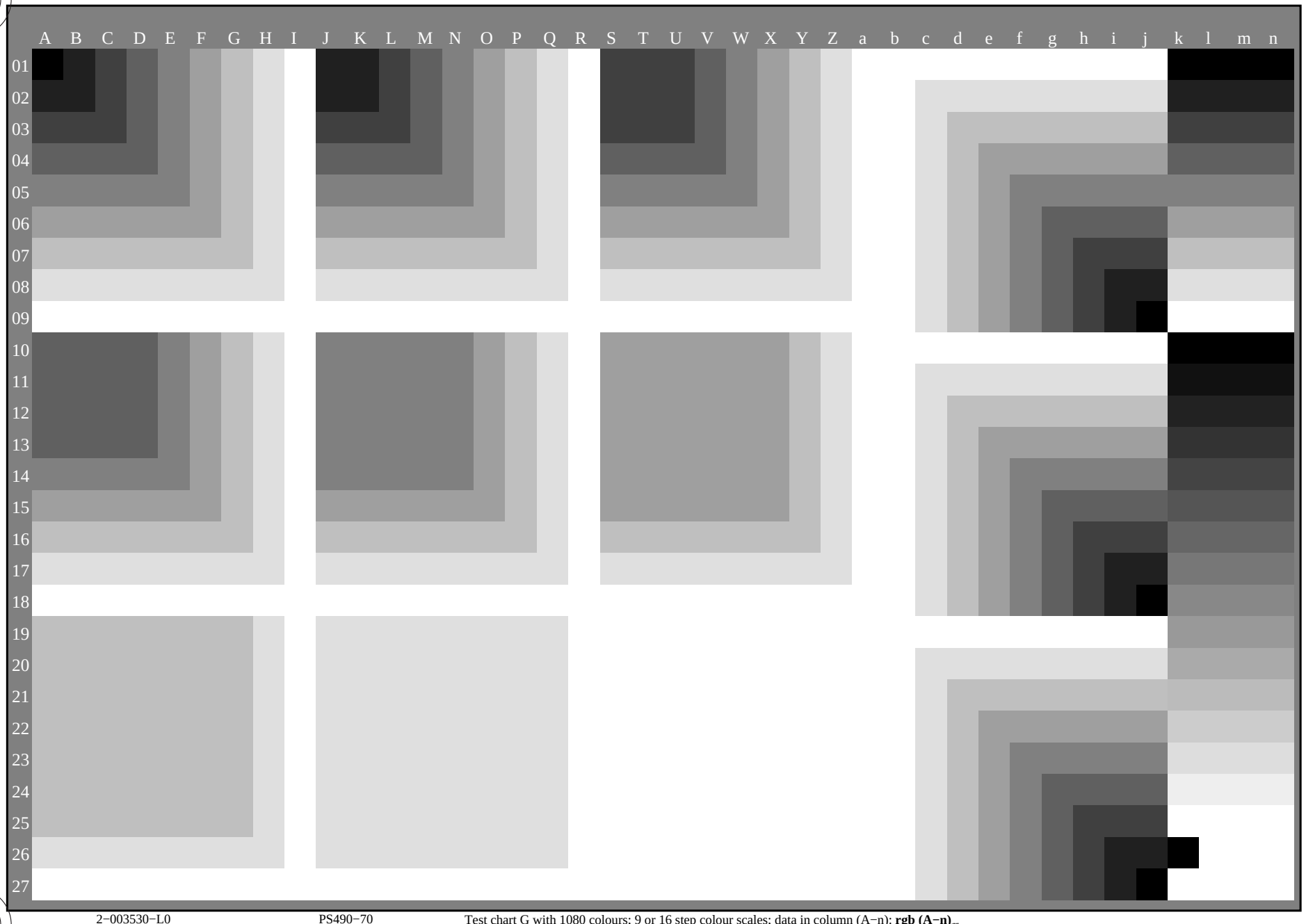
2−003330−L0 PS490−70

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

2−003330−F0





n/j	HIC*Fd	*rgb*_Fd			*ict*_Fd			$h_{si\_F,d}$	*rgb**Fd			*LabCh**Fd					*rgb*'Fd			*LabCh*'Fd					*DE*'Fd	$h_{siM,d}$	*rgb**Md			*LabCh**Md				
0/648	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
1/657	R13Y_100_100d	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41.6	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1	0.8	36	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41.6
2/666	R25Y_100_100d	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	1.9	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
3/675	R38Y_100_100d	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63.0	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7	0.9	51	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63.0
4/684	R50Y_100_100d	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	0.0	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
5/693	R63Y_100_100d	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81.5	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7	1.1	68	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81.5
6/702	R75Y_100_100d	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2	1.0	0.75	0.0	82.9	−2.0	76.9	77.0	91.5	1.1	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
7/711	R88Y_100_100d	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	87.8	−9.4	76.3	76.9	97.0	1.0	0.875	0.0	87.6	−9.0	75.7	76.3	96.8	0.7	83	1.0	0.883	0.0	87.8	−9.4	76.3	76.9	97.0
8/720	Y00G_100_100d	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	0.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
9/639	Y13G_100_100d	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	92.7	−18.0	89.1	90.9	101.4	0.875	1.0	0.0	92.8	−18.1	89.4	91.2	101.4	0.3	96	0.883	1.0	0.0	92.7	−18.0	89.1	90.9	101.4
10/558	Y25G_100_100d	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6	0.75	1.0	0.0	90.1	−21.3	86.0	88.6	103.9	0.7	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
11/477	Y38G_100_100d	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	80.5	−31.2	69.2	75.9	114.2	0.625	1.0	0.0	79.9	−31.7	67.9	75.0	115.0	1.4	111	0.633	1.0	0.0	80.5	−31.2	69.2	75.9	114.2
12/396	Y50G_100_100d	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.0	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
13/315	Y63G_100_100d	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.3	0.375	1.0	0.0	66.5	−47.5	48.0	67.6	134.7	0.8	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.3
14/234	Y75G_100_100d	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5	0.25	1.0	0.0	60.6	−57.2	40.4	70.1	144.7	1.1	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
15/153	Y88G_100_100d	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	56.8	−62.5	34.1	71.3	151.3	0.125	1.0	0.0	57.0	−62.2	34.4	71.1	151.0	0.4	143	0.116	1.0	0.0	56.8	−62.5	34.1	71.3	151.3
16/72	G00C_100_100d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
17/73	G13C_100_100d	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	53.8	−66.5	23.5	70.5	160.5	0.0	1.0	0.125	53.8	−66.4	23.0	70.2	160.8	0.5	156	0.0	1.0	0.116	53.8	−66.5	23.5	70.5	160.5
18/74	G25C_100_100d	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4	0.0	1.0	0.25	53.7	−63.1	12.8	64.4	168.5	1.3	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
19/75	G38C_100_100d	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.7	−57.3	0.8	57.3	179.1	0.0	1.0	0.375	54.7	−56.8	0.0	56.8	179.9	0.9	171	0.0	1.0	0.366	54.7	−57.3	0.8	57.3	179.1
20/76	G50C_100_100d	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.0	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
21/77	G63C_100_100d	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.3	−43.8	−20.5	48.4	205.1	0.0	1.0	0.625	55.3	−44.1	−20.0	48.5	204.4	0.5	188	0.0	1.0	0.633	55.3	−43.8	−20.5	48.4	205.1
22/78	G75C_100_100d	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4	0.0	1.0	0.75	55.2	−39.5	−27.1	47.9	214.4	0.8	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
23/79	G88C_100_100d	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	54.3	−36.4	−33.7	49.6	222.8	0.0	1.0	0.875	54.4	−36.7	−33.0	49.4	221.9	0.7	203	0.0	1.0	0.883	54.3	−36.4	−33.7	49.6	222.8
24/80	C00B_100_100d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
25/71	C13B_100_100d	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	53.1	−28.1	−44.6	52.7	237.7	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9	0.1	216	0.0	0.883	1.0	53.1	−28.1	−44.6	52.7	237.7
26/62	C25B_100_100d	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9	0.0	0.75	1.0	52.9	−25.9	−47.5	54.1	241.3	0.4	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
27/53	C38B_100_100d	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	50.7	−21.1	−49.4	53.7	246.8	0.0	0.625	1.0	50.5	−20.8	−49.5	53.7	247.2	0.3	231	0.0	0.633	1.0	50.7	−21.1	−49.4	53.7	246.8
28/44	C50B_100_100d	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	0.0	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
29/35	C63B_100_100d	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	41.1	−5.7	−49.2	49.6	263.3	0.0	0.375	1.0	41.4	−6.3	−49.2	49.6	262.6	0.6	248	0.0	0.366	1.0	41.1	−5.7	−49.2	49.6	263.3
30/26	C75B_100_100d	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8	0.0	0.25	1.0	36.8	2.2	−48.5	48.6	272.6	1.0	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
31/17	C88B_100_100d	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	34.9	9.9	−46.3	47.3	282.0	0.0	0.125	1.0	35.0	9.4	−46.3	47.3	281.4	0.5	263	0.0	0.116	1.0	34.9	9.9	−46.3	47.3	282.0
32/8	B00M_100_100d	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
33/89	B13M_100_100d	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	31.6	23.1	−42.4	48.3	298.6	0.125	0.0	1.0	31.6	23.6	−42.2	48.4	299.2	0.4	276	0.116	0.0	1.0	31.6	23.1	−42.4	48.3	298.6
34/170	B25M_100_100d	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6	0.25	0.0	1.0	31.0	30.5	−39.3	49.8	307.8	1.0	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
35/251	B38M_100_100d	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	34.0	37.7	−35.3	51.7	316.8	0.375	0.0	1.0	34.2	38.2	−35.0	51.8	317.5	0.6	291	0.366	0.0	1.0	34.0	37.7	−35.3	51.7	316.8
36/332	B50M_100_100d	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	0.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
37/413	B63M_100_100d	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	39.2	48.9	−26.9	55.8	331.1	0.625	0.0	1.0	39.1	48.4	−27.2	55.6	330.6	0.6	308	0.633	0.0	1.0	39.2	48.9	−26.9	55.8	331.1
38/494	B75M_100_100d	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4	0.75	0.0	1.0	41.8	55.1	−21.4	59.1	338.7	0.9	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
39/575	B88M_100_100d	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	45.8	60.5	−17.0	62.8	344.2	0.875	0.0	1.0	45.6	60.1	−17.3	62.6	343.9	0.4	323	0.883	0.0	1.0	45.8	60.5	−17.0	62.8	344.2
40/656	M00R_100_100d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	0.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
41/655	M13R_100_100d	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	49.4	66.1	−10.9	67.0	350.6	1.0	0.0	0.875	49.5	66.1	−10.7	67.0	350.7	0.1	336	1.0	0.0	0.883	49.4	66.1	−10.9	67.0	350.6
42/654	M25R_100_100d	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7	1.0	0.0	0.75	49.3	64.5	−6.5	64.8	354.2	0.5	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
43/653	M38R_100_100d	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	62.0	1.5	62.0	1.4	1.0	0.0	0.625	48.0	61.8	2.1	61.8	361.9	0.6	351	1.0	0.0	0.633	48.0	62.0	1.5	62.0	1.4
44/652	M50R_100_100d	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	370.0	0.0	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
45/651	M63R_100_100d	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.4	56.8	20.0	60.2	19.4	1.0	0.0	0.375	47.4	56.8	19.5	60.0	378.9	0.5	368	1.0	0.0	0.366	47.4	56.8	20.0	60.2	19.4
46/650	M75R_100_100d	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9	1.0	0.0	0.25	47.5	55.9	27.5	62.3	386.2	0.8	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
47/649	M88R_100_100d	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.6	56.4	34.5	66.1	31.4	1.0	0.0	0.125	47.6	56.3	34.2	65.9	391.3	0.2	383	1.0	0.0	0.116	47.6	56.4	34.5	66.1	31.4
48/648	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	393.4	0.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
49/0	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.9	54.3	49.2	73.2	402.1	78.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
50/91	NW_013d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	23.8	0.0	0.0	0.0	0.0	8.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
51/182	NW_025d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	27.8	0.0	−0.5	0.5	273.6	14.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
52/273	NW_038d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.8	−0.1	−1.2	1.2	265.1	11.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
53/364	NW_050d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.9	0.0	−1.3	1.3	267.6	7.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
54/455	NW_063d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	61.2	0.0	−1.2	1.2	268.4	7.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
55/546	NW_075d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	72.6	0.0	−1.0	1.0	269.8	5.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
56/637	NW_088d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	80.4	0.0	−0.3	0.3	272.2	6.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
57/728	NW_100d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	90.8	0.0	−0.1	0.1	266.5	4.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E*' = 2.9

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E*', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

2−003630−F0

n/j	HIC*Fd	*rgb*_Fd			*ict*_Fd			$h_{si\_F,d}$	*rgb**Fd			*LabCh**Fd					*rgb*'*Fd			*LabCh*'*Fd					*DE*'*Fd	$h_{siM,d}$	*rgb**Md			*LabCh**Md				
0/648	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
1/666	R25Y_100_100d	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	1.9	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
2/684	R50Y_100_100d	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	0.0	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
3/702	R75Y_100_100d	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2	1.0	0.75	0.0	82.9	−2.0	76.9	77.0	91.5	1.1	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
4/720	Y00G_100_100d	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	0.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
5/558	Y25G_100_100d	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6	0.75	1.0	0.0	90.1	−21.3	86.0	88.6	103.9	0.7	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
6/396	Y50G_100_100d	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.0	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
7/234	Y75G_100_100d	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5	0.25	1.0	0.0	60.6	−57.2	40.4	70.1	144.7	1.1	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
8/72	G00B_100_100d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
9/72	G00B_100_100d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
10/76	G25B_100_100d	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.0	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
11/80	G50B_100_100d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
12/44	G75B_100_100d	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	0.0	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
13/8	B00M_100_100d	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
14/332	B25R_100_100d	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	0.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
15/656	B50R_100_100d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	0.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
16/652	B75R_100_100d	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	0.0	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
17/648	R00Y_100_100d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
18/688	R00Y_100_050d	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.7	28.6	18.9	34.3	33.4	1.0	0.5	0.5	71.4	24.0	27.4	36.4	48.8	9.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
19/706	R50Y_100_050d	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	83.1	9.6	33.1	34.5	73.8	1.0	0.75	0.5	83.6	2.8	39.3	39.4	85.7	9.1	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
20/724	Y00G_100_050d	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	93.7	−7.9	42.3	43.0	100.5	1.0	1.0	0.5	93.1	−11.8	45.5	47.0	104.6	5.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
21/562	Y50G_100_050d	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.4	−20.8	27.4	34.4	127.3	0.75	1.0	0.5	86.2	−21.9	37.8	43.7	120.1	10.8	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
22/400	G00B_100_050d	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	75.0	−33.8	15.4	37.1	155.5	0.5	1.0	0.5	74.1	−30.5	11.7	32.6	158.9	5.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
23/404	G50B_100_050d	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	74.4	−15.0	−21.5	26.2	235.1	0.5	1.0	1.0	73.7	−17.1	−27.4	32.3	238.0	6.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
24/368	B00R_100_050d	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	64.2	8.4	−22.3	23.8	290.8	0.5	0.5	1.0	54.8	11.5	−32.2	34.2	289.7	14.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
25/692	B50R_100_050d	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	72.0	32.7	−6.3	33.3	348.9	1.0	0.5	1.0	71.6	36.1	−8.9	37.2	346.1	4.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
26/688	R00Y_100_050d	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.7	28.6	18.9	34.3	33.4	1.0	0.5	0.5	71.4	24.0	27.4	36.4	48.8	9.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
27/506	R00Y_075_050d	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	53.7	28.6	18.9	34.3	33.4	0.75	0.25	0.25	52.4	27.1	25.3	37.1	43.0	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
28/524	R50Y_075_050d	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	65.1	9.6	33.1	34.5	73.8	0.75	0.5	0.25	66.1	6.5	36.1	36.6	79.7	4.3	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
29/542	Y00G_075_050d	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	75.7	−7.9	42.3	43.0	100.5	0.75	0.75	0.25	81.7	−11.5	50.7	52.0	102.8	10.9	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
30/380	Y50G_075_050d	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	65.4	−20.8	27.4	34.4	127.3	0.5	0.75	0.25	70.5	−23.0	31.5	39.0	126.1	6.9	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
31/218	G00B_075_050d	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	57.0	−33.8	15.4	37.1	155.5	0.25	0.75	0.25	57.2	−36.4	13.9	39.0	159.0	2.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
32/222	G50B_075_050d	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	56.4	−15.0	−21.5	26.2	235.1	0.25	0.75	0.75	60.1	−19.6	−29.7	35.6	236.5	10.1	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
33/186	B00R_075_050d	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	46.2	8.4	−22.3	23.8	290.8	0.25	0.25	0.75	43.1	11.1	−34.5	36.3	287.8	12.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
34/510	B50R_075_050d	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	54.0	32.7	−6.3	33.3	348.9	0.75	0.25	0.75	53.9	38.1	−12.4	40.1	341.9	8.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
35/506	R00Y_075_050d	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	53.7	28.6	18.9	34.3	33.4	0.75	0.25	0.25	52.4	27.1	25.3	37.1	43.0	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
36/324	R00Y_050_050d	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	35.7	28.6	18.9	34.3	33.4	0.5	0.0	0.0	33.0	34.7	23.4	41.8	34.0	8.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
37/342	R50Y_050_050d	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	47.1	9.6	33.1	34.5	73.8	0.5	0.25	0.0	42.9	9.5	37.9	39.1	75.8	6.3	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
38/360	Y00G_050_050d	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	57.7	−7.9	42.3	43.0	100.5	0.5	0.5	0.0	58.4	−9.8	54.3	55.2	100.3	12.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
39/198	Y50G_050_050d	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	47.4	−20.8	27.4	34.4	127.3	0.25	0.5	0.0	43.9	−28.1	32.6	43.1	130.7	9.6	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
40/36	G00B_050_050d	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	39.0	−33.8	15.4	37.1	155.5	0.0	0.5	0.0	42.9	−59.6	21.5	63.4	160.1	26.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
41/40	G50B_050_050d	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.4	−15.0	−21.5	26.2	235.1	0.0	0.5	0.5	44.1	−23.4	−34.5	41.7	235.7	16.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
42/4	B00R_050_050d	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	28.2	8.4	−22.3	23.8	290.8	0.0	0.0	0.5	30.3	13.1	−38.9	41.0	288.6	17.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
43/328	B50R_050_050d	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	36.0	32.7	−6.3	33.3	348.9	0.5	0.0	0.5	35.4	43.7	−12.1	45.3	344.4	12.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
44/324	R00Y_050_050d	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	35.7	28.6	18.9	34.3	33.4	0.5	0.0	0.0	33.0	34.7	23.4	41.8	34.0	8.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
45/0	NW_000d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
46/91	NW_013d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.8	0.0	−0.5	0.5	273.6	5.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
47/182	NW_025d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.8	−0.1	−1.2	1.2	265.1	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
48/273	NW_038d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.9	0.0	−1.3	1.3	267.6	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
49/364	NW_050d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.2	0.0	−1.2	1.2	268.4	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
50/455	NW_063d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.6	0.0	−1.0	1.0	269.8	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
51/546	NW_075d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.4	0.0	−0.3	0.3	272.2	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
52/637	NW_088d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	90.8	0.0	−0.1	0.1	266.5	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
53/728	NW_100d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E*'* = *5.3*

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E*'*, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

2−003730−F0

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 9/22

n=j	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
0	0_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1	1_d	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	24.9	2.1	−5.5	5.9	290.8	0.0	0.0	0.125	24.3	4.0	−14.1	14.7	285.9	8.8	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
2	2_d	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	26.0	4.2	−11.1	11.9	290.8	0.0	0.0	0.25	22.7	3.9	−22.0	22.4	280.2	11.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
3	3_d	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	27.1	6.3	−16.7	17.8	290.8	0.0	0.0	0.375	28.0	6.9	−29.3	30.1	283.3	12.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
4	4_d	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	28.2	8.4	−22.3	23.8	290.8	0.0	0.0	0.5	30.3	13.1	−38.9	41.0	288.6	17.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
5	5_d	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	29.2	10.5	−27.8	29.8	290.8	0.0	0.0	0.625	29.5	18.8	−44.4	48.2	292.9	18.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
6	6_d	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	30.3	12.7	−33.4	35.7	290.8	0.0	0.0	0.75	30.6	18.1	−43.9	47.5	292.4	11.8	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
7	7_d	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	31.4	14.8	−39.0	41.7	290.8	0.0	0.0	0.875	31.4	18.7	−44.2	48.0	292.9	6.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
8	8_d	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
9	9_d	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	27.6	−8.4	3.8	9.2	155.5	0.0	0.125	0.0	32.1	−10.6	2.4	10.9	167.0	5.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
10	10_d	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	27.5	−3.7	−5.3	6.5	235.1	0.0	0.125	0.125	29.2	−10.0	−14.4	17.6	235.3	11.1	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
11	11_d	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.125	0.25	29.4	−3.3	−12.3	12.7	254.9	0.0	0.125	0.25	28.0	−6.3	−22.2	23.1	254.1	10.4	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
12	12_d	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.118	0.375	29.6	−0.8	−18.4	18.4	267.3	0.0	0.125	0.375	29.7	−4.1	−29.3	29.6	261.9	11.4	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
13	13_d	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.116	0.5	30.2	1.6	−24.1	24.2	273.8	0.0	0.125	0.5	32.7	1.3	−38.5	38.5	272.0	14.5	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
14	14_d	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.114	0.625	31.4	3.8	−29.7	29.9	277.3	0.0	0.125	0.625	34.6	6.4	−44.4	44.9	278.2	15.3	260	0.0	0.183	1.0	35.9	6.1	−47.5	47.9	277.3
15	15_d	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.112	0.75	32.5	6.0	−35.1	35.6	279.6	0.0	0.125	0.75	33.3	11.2	−45.8	47.2	283.7	11.9	262	0.0	0.15	1.0	35.4	8.0	−46.9	47.5	279.6
16	16_d	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.116	0.875	33.7	7.8	−40.7	41.4	280.8	0.0	0.125	0.875	34.2	11.2	−45.9	47.2	283.7	6.2	262	0.0	0.133	1.0	35.2	8.9	−46.5	47.4	280.8
17	17_d	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	34.9	9.9	−46.3	47.3	282.0	0.0	0.125	1.0	35.0	9.4	−46.3	47.3	281.4	0.5	263	0.0	0.116	1.0	34.9	9.9	−46.3	47.3	282.0
18	18_d	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	31.4	−16.9	7.7	18.5	155.5	0.0	0.25	0.0	35.0	−23.6	3.8	23.9	170.7	8.5	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
19	19_d	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	31.6	−12.8	−2.2	13.0	189.8	0.0	0.25	0.125	31.9	−20.0	−8.5	21.8	203.1	9.6	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
20	20_d	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	31.1	−7.5	−10.7	13.1	235.1	0.0	0.25	0.25	34.5	−15.1	−21.3	26.2	234.6	13.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
21	21_d	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.256	0.375	34.2	−8.7	−18.2	20.2	244.5	0.0	0.25	0.375	35.2	−12.0	−28.6	31.1	247.2	10.9	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
22	22_d	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.25	0.5	35.0	−6.6	−24.7	25.5	254.9	0.0	0.25	0.5	35.9	−8.9	−35.7	36.8	255.8	11.2	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
23	23_d	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.239	0.625	35.0	−4.2	−30.8	31.1	262.1	0.0	0.25	0.625	36.9	−5.0	−42.8	43.1	263.3	12.2	247	0.0	0.383	1.0	41.7	−6.8	−49.3	49.7	262.1
24	24_d	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.237	0.75	35.4	−1.7	−36.8	36.8	267.3	0.0	0.25	0.75	36.9	−0.1	−47.3	47.3	269.8	10.7	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
25	25_d	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.233	0.875	35.7	0.9	−42.6	42.6	271.3	0.0	0.25	0.875	36.4	3.0	−48.2	48.3	273.6	5.9	255	0.0	0.266	1.0	37.4	1.1	−48.7	48.7	271.3
26	26_d	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8	0.0	0.25	1.0	36.8	2.2	−48.5	48.6	272.6	1.0	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
27	27_d	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	35.2	−25.3	11.5	27.8	155.5	0.0	0.375	0.0	38.3	−37.3	12.4	39.3	161.6	12.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
28	28_d	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.118	35.2	−22.5	2.1	22.6	174.6	0.0	0.375	0.125	36.9	−33.5	−0.5	33.5	180.9	11.4	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
29	29_d	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.256	35.6	−15.8	−8.8	18.0	209.1	0.0	0.375	0.25	37.0	−24.9	−17.0	30.1	214.3	12.3	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
30	30_d	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	34.8	−11.2	−16.1	19.6	235.1	0.0	0.375	0.375	39.2	−20.3	−28.2	34.8	234.3	15.7	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
31	31_d	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.383	0.5	38.3	−13.1	−23.6	26.9	240.9	0.0	0.375	0.5	39.8	−16.8	−35.0	38.8	244.3	12.0	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
32	32_d	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.385	0.625	40.3	−12.6	−30.9	33.4	247.7	0.0	0.375	0.625	40.9	−13.4	−40.7	42.9	251.7	9.8	232	0.0	0.616	1.0	50.2	−20.2	−49.5	53.5	247.7
33	33_d	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.375	0.75	40.5	−9.9	−37.0	38.3	254.9	0.0	0.375	0.75	42.8	−9.7	−47.0	48.0	258.2	10.2	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
34	34_d	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.364	0.875	40.6	−7.5	−43.2	43.9	260.0	0.0	0.375	0.875	42.0	−7.5	−48.5	49.0	261.1	5.4	245	0.0	0.416	1.0	42.9	−8.6	−49.4	50.1	260.0
35	35_d	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	41.1	−5.7	−49.2	49.6	263.3	0.0	0.375	1.0	41.4	−6.3	−49.2	49.6	262.6	0.6	248	0.0	0.366	1.0	41.1	−5.7	−49.2	49.6	263.3
36	36_d	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	39.0	−33.8	15.4	37.1	155.5	0.0	0.5	0.0	42.9	−59.6	21.5	63.4	160.1	26.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
37	37_d	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.116	38.8	−31.8	7.0	32.6	167.4	0.0	0.5	0.125	43.3	−58.0	11.6	59.2	168.6	27.0	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
38	38_d	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.25	39.4	−25.7	−4.4	26.1	189.8	0.0	0.5	0.25	41.6	−43.2	−7.9	43.9	190.3	17.9	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
39	39_d	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.383	39.4	−19.6	−13.9	24.0	215.4	0.0	0.5	0.375	43.4	−33.1	−24.1	41.0	216.0	17.4	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
40	40_d	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.4	−15.0	−21.5	26.2	235.1	0.0	0.5	0.5	44.1	−23.4	−34.5	41.7	235.7	16.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
41	41_d	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.51	0.625	42.0	−16.9	−28.7	33.3	239.5	0.0	0.5	0.625	45.2	−22.0	−38.7	44.6	240.3	11.6	219	0.0	0.816	1.0	53.0	−27.0	−46.0	53.4	239.5
42	42_d	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.512	0.75	44.7	−17.4	−36.5	40.4	244.5	0.0	0.5	0.75	48.0	−20.7	−45.0	49.6	245.3	9.7	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
43	43_d	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.51	0.875	45.9	−15.9	−43.4	46.2	249.7	0.0	0.5	0.875	48.8	−17.7	−48.5	51.6	249.9	6.1	234	0.0	0.583	1.0	49.1	−18.2	−49.6	52.8	249.7
44	44_d	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	0.0	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
45	45_d	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	42.9	−42.3	19.2	46.4	155.5	0.0	0.625	0.0	47.5	−66.8	25.1	71.4	159.4	25.6	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
46	46_d	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.114	42.5	−40.6	11.3	42.2	164.4	0.0	0.625	0.125	48.3	−71.5	21.8	74.7	163.0	33.0	159	0.0	1.0	0.183	53.8	−65.0	18.1	67.5	164.4
47	47_d	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.239	43.1	−35.3	−0.3	35.3	180.6	0.0	0.625	0.25	49.2	−68.2	6.7	68.5	174.3	34.2	172	0.0	1.0	0.383	54.7	−56.5	−0.6	56.5	180.6
48	48_d	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.385	43.5	−27.9	−12.1	30.4	203.4	0.0	0.625	0.375	50.2	−50.9	−15.0	53.1	196.5	24.1	187	0.0	1.0	0.616	55.3	−44.7	−19.4	48.7	203.4
49	49_d	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.51	43.2	−23.8	−18.9	30.4	218.4	0.0	0.625	0.5	51.5	−41.6	−28.4	50.4	214.3	21.8	200	0.0	1.0	0.816	54.8	−38.1	−30.3	48.7	218.4
50	50_d	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	42.1	−18.7	−26.9	32.8	235.1	0.0	0.625	0.625	50.5	−29.5	−38.7	48.7	232.6	18.1	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
51	51_d	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	45.7	−20.6	−33.9	39.7	238.6	0.0	0.625	0.75	51.2	−27.9	−42.6	50.9	236.7	12.5	217	0.0	0.85	1.0	53.0	−27.5	−45.3	53.0	238.6
52	52_d	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.641	0.875	49.0	−22.1	−41.8	47.3	242.1	0.0	0.625	0.875	52.2	−25.9	−46.0	52.8	240.6	6.5	224	0.0	0.733	1.0	52.6	−25.2	−47.8	54.1	242.1
53	53_d	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	50.7	−21.1	−49.4	53.7	246.8	0.0	0.625	1.0	50.5	−20.8	−49.5	53.7	247.2	0.3	231	0.0	0.633	1.0	50.7	−21.1	−49.4	53.7	246.8
54	54_d	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	46.7	−50.7	23.1	55.7	155.5	0.0	0.75	0.0	51.0	−71.0	27.5	76.2	158.7	21.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
55	55_d	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.112	46.3	−49.4	15.6	51.8	162.4	0.0	0.75	0.125	50.5	−72.8	23.2	76.4	162.3	25.0	157	0.0	1.0	0.15	53.8	−65.8	20.8	69.1	162.4
56	56_d	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.237	46.6	−45.0	4.2	45.2	174.6	0.0	0.75	0.25	50.4	−68.4	10.3	69.1	171.3	24.4	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
57	57_d	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.375	47.2	−38.6	−6.6	39.1	189.8	0.0	0.75	0.375	51.9	−57.1	−8.2	57.7	188.2	19.1	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
58	58_d	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.512	47.4	−31.6	−17.6	36.1	209.1	0.0	0.75	0.5	52.7	−46.9	−21.7	51.7	204.8	16.7	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
59	59_d	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.637	46.9	−28.0	−23.9	36.8	220.4	0.0	0.75	0.625	52.9	−39.5	−31.2	50.3	218.2	14.8	202	0.0	1.0	0.85	54.6	−37.3	−31.9	49.1	220.4
60	60_d	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	45.8	−22.5	−32.3	39.3	235.1	0.0	0.75	0.75	52.6	−33.6	−38.2	50.9	228.7	14.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
61	61_d	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.758	0.875	49.4	−24.3	−39.3	46.2	238.2	0.0	0.75	0.875	53.0	−29.9	−43.0	52.4	235.1	7.6	217	0.0	0.866	1.0	53.0	−27.8	−44.9	52.8	238.2
62	62_d	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9	0.0	0.75	1.0	52.9	−25.9	−47.5	54.1	241.3	0.4	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
63	63_d	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	50.5	−59.2	26.9	65.0	155.5	0.0	0.875	0.0	52.7	−69.8	28.5	75.4	157.7	10.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
64	64_d	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.116	50.0	−57.9	19.5	61.1	161.3	0.0	0.875	0.125	51.8	−69.7	22.8	73.3	161.8	12.3	157	0.0	1.0	0.133	53.8	−66.2	22.3	69.9	161.3
65	65_d	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.233	50.1	−54.6	9.6	55.4	170.0	0.0	0.875	0.25	52.2	−65.0	11.1	65.9	170.2	10.6	164	0.0	1.0	0.266	53.9	−62.4	10.9	63.4	170.0
66	66_d	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.364	50.9	−48.3	−2.7	48.3	183.2	0.0	0.875	0.375	53.2	−57.4	−2.5	57.5	182.5	9.4	174	0.0	1.0	0.416	54.8	−55.2	−3.1	55.2	183.2
67	67_d	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.51	51.3	−41.0	−14.5	43.5	199.5	0.0	0.875	0.5	53.9	−49.3	−15.1	51.6	197.0	8.7	185	0.0	1.0	0.583	55.2	−46.8	−16.6	49.7	199.5
68	68_d	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.641	51.3	−35.1	−22.9	42.0	213.1	0.0	0.875	0.625	53.9	−42.2	−24.7	49.0	210.3	7.7	195	0.0	1.0	0.733	55.2	−40.2	−26.2	48.0	213.1
69	69_d	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.758	50.6	−32.3	−28.6	43.1	221.4	0.0	0.875	0.75	53.6	−37.4	−32.1	49.3	220.6	6.8	202	0.0	1.0	0.866	54.5	−36.9	−32.6	49.3	221.4
70	70_d	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	49.4	−26.2	−37.7	45.9	235.1	0.0	0.875	0.875	53.1	−30.9	−41.2	51.6	233.1	6.9	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
71	71_d	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	53.1	−28.1	−44.6	52.7	237.7	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9	0.1	216	0.0	0.883	1.0	53.1	−28.1	−44.6	52.7	237.7
72	72_d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
73	73_d	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	53.8	−66.5	23.5	70.5	160.5	0.0	1.0	0.125	53.8	−66.4	23.0	70.2	160.8	0.5	156	0.0	1.0	0.116	53.8	−66.5	23.5	70.5	160.5
74	74_d	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4	0.0	1.0	0.25	53.7	−63.1	12.8	64.4	168.5	1.3	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
75	75_d	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.7	−57.3	0.8	57.3	179.1	0.0	1.0	0.375	54.7	−56.8	0.0	56.8	179.9	0.9	171	0.0	1.0	0.366	54.7	−57.3	0.8	57.3	179.1
76	76_d	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.0	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
77	77_d	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.3	−43.8	−20.5	48.4	205.1	0.0	1.0	0.625	55.3	−44.1	−20.0	48.5	204.4	0.5	188	0.0	1.0	0.633	55.3	−43.8	−20.5	48.4	205.1
78	78_d	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4	0.0	1.0	0.75	55.2	−39.5	−27.1	47.9	214.4	0.8	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
79	79_d	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	54.3	−36.4	−33.7	49.6	222.8	0.0	1.0	0.875	54.4	−36.7	−33.0	49.4	221.9	0.7	203	0.0	1.0	0.883	54.3	−36.4	−33.7	49.6	222.8
80	80_d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = *10.8***

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

2−003830−F0 PS490−7N, 9/22−F

gráfico TUB-PS49; gráfico para la prueba colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

2−003830−F0

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 10/22

C M Y O L V

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC^*_{Fd}	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
81	81_d	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	26.8	7.1	4.7	8.5	33.4	0.125	0.0	0.0	24.7	7.7	8.0	11.1	45.9	3.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
82	82_d	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	26.8	8.1	−1.5	8.3	348.9	0.125	0.0	0.125	26.6	12.3	−6.3	13.8	332.7	6.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
83	83_d	0.125	0.0	0.25	0.25	0.25	0.125	300	0.125	0.0	0.25	27.1	10.7	−7.7	13.2	324.4	0.125	0.0	0.25	25.7	13.6	−17.5	22.2	307.9	10.3	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
84	84_d	0.125	0.0	0.375	0.375	0.375	0.187	289	0.118	0.0	0.375	27.1	13.0	−13.9	19.1	312.9	0.125	0.0	0.375	27.6	14.3	−24.2	28.1	300.5	10.3	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
85	85_d	0.125	0.0	0.5	0.5	0.5	0.25	284	0.116	0.0	0.5	27.4	14.8	−19.9	24.8	306.6	0.125	0.0	0.5	29.0	21.5	−32.8	39.2	303.2	14.6	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
86	86_d	0.125	0.0	0.625	0.625	0.625	0.312	281	0.114	0.0	0.625	28.5	16.8	−25.6	30.6	303.2	0.125	0.0	0.625	29.5	25.2	−36.3	44.2	304.7	13.6	279	0.183	0.0	1.0	31.3	26.8	−41.0	49.0	303.2
87	87_d	0.125	0.0	0.75	0.75	0.75	0.375	279	0.112	0.0	0.75	29.5	18.7	−31.3	36.5	300.9	0.125	0.0	0.75	30.6	25.4	−39.9	47.4	302.5	11.0	278	0.15	0.0	1.0	31.4	25.0	−41.7	48.6	300.9
88	88_d	0.125	0.0	0.875	0.875	0.875	0.437	278	0.116	0.0	0.875	30.6	21.0	−36.8	42.4	299.8	0.125	0.0	0.875	30.8	25.7	−41.3	48.7	301.9	6.5	277	0.133	0.0	1.0	31.5	24.1	−42.0	48.4	299.8
89	89_d	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	31.6	23.1	−42.4	48.3	298.6	0.125	0.0	1.0	31.6	23.6	−42.2	48.4	299.2	0.4	276	0.116	0.0	1.0	31.6	23.1	−42.4	48.3	298.6
90	90_d	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	32.3	−1.9	10.5	10.7	100.5	0.125	0.125	0.0	32.9	−5.2	16.0	16.9	108.2	6.4	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
91	91_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.8	0.0	−0.5	0.5	273.6	5.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
92	92_d	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	33.9	2.1	−5.5	5.9	290.8	0.125	0.125	0.25	27.8	2.1	−17.8	17.9	276.9	13.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
93	93_d	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	35.0	4.2	−11.1	11.9	290.8	0.125	0.125	0.375	30.4	4.1	−25.6	25.9	279.1	15.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
94	94_d	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	36.1	6.3	−16.7	17.8	290.8	0.125	0.125	0.5	33.6	7.2	−30.1	31.0	283.5	13.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
95	95_d	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	37.2	8.4	−22.3	23.8	290.8	0.125	0.125	0.625	36.0	11.5	−35.5	37.4	287.9	13.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
96	96_d	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	38.2	10.5	−27.8	29.8	290.8	0.125	0.125	0.75	37.8	12.8	−40.0	42.0	287.7	12.4	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
97	97_d	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	39.3	12.7	−33.4	35.7	290.8	0.125	0.125	0.875	35.7	15.8	−43.8	46.5	289.8	11.4	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
98	98_d	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	40.4	14.8	−39.0	41.7	290.8	0.125	0.125	1.0	34.1	17.5	−43.8	47.2	291.8	8.4	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
99	99_d	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	35.6	−10.4	13.7	17.2	127.3	0.125	0.25	0.0	36.4	−13.3	17.0	21.6	127.9	4.4	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
100	100_d	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	36.6	−8.4	3.8	9.2	155.5	0.125	0.25	0.125	37.3	−12.7	1.8	12.8	171.8	4.7	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
101	101_d	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	36.5	−3.7	−5.3	6.5	235.1	0.125	0.25	0.25	34.1	−10.5	−16.7	19.7	237.8	13.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
102	102_d	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.25	0.375	38.4	−3.3	−12.3	12.7	254.9	0.125	0.25	0.375	36.2	−6.8	−24.4	25.4	254.3	12.8	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
103	103_d	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.243	0.5	38.6	−0.8	−18.4	18.4	267.3	0.125	0.25	0.5	37.9	−3.1	−29.4	29.6	263.8	11.2	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
104	104_d	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.241	0.625	39.2	1.6	−24.1	24.2	273.8	0.125	0.25	0.625	40.5	−0.2	−32.8	32.8	269.6	8.9	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
105	105_d	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.239	0.75	40.3	3.8	−29.7	29.9	277.3	0.125	0.25	0.75	41.5	2.5	−38.3	38.4	273.7	8.8	260	0.0	0.183	1.0	35.9	6.1	−47.5	47.9	277.3
106	106_d	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.237	0.875	41.5	6.0	−35.1	35.6	279.6	0.125	0.25	0.875	37.9	7.9	−45.5	46.2	279.9	11.1	262	0.0	0.15	1.0	35.4	8.0	−46.9	47.5	279.6
107	107_d	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.241	1.0	42.7	7.8	−40.7	41.4	280.8	0.125	0.25	1.0	36.4	10.6	−45.2	46.4	283.2	8.2	262	0.0	0.133	1.0	35.2	8.9	−46.5	47.4	280.8
108	108_d	0.125	0.375	0.0	0.375	0.375	0.187	131	0.118	0.375	0.0	38.8	−19.5	16.7	25.7	139.4	0.125	0.375	0.0	39.5	−30.9	19.8	36.7	147.2	11.7	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
109	109_d	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	40.4	−16.9	7.7	18.5	155.5	0.125	0.375	0.125	39.1	−24.1	4.4	24.5	169.4	8.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
110	110_d	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	40.6	−12.8	−2.2	13.0	189.8	0.125	0.375	0.25	37.7	−18.6	−9.6	20.9	207.3	9.8	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
111	111_d	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	40.1	−7.5	−10.7	13.1	235.1	0.125	0.375	0.375	41.9	−14.5	−23.1	27.3	237.7	14.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
112	112_d	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.381	0.5	43.2	−8.7	−18.2	20.2	244.5	0.125	0.375	0.5	42.5	−11.5	−28.8	31.0	248.1	10.9	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
113	113_d	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.375	0.625	44.0	−6.6	−24.7	25.5	254.9	0.125	0.375	0.625	43.5	−8.6	−31.7	32.8	254.7	7.3	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
114	114_d	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.364	0.75	44.0	−4.2	−30.8	31.1	262.1	0.125	0.375	0.75	44.9	−6.0	−36.4	36.9	260.5	5.9	247	0.0	0.383	1.0	41.7	−6.8	−49.3	49.7	262.1
115	115_d	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.362	0.875	44.4	−1.7	−36.8	36.8	267.3	0.125	0.375	0.875	43.8	−4.2	−45.9	46.1	264.7	9.4	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
116	116_d	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.358	1.0	44.7	0.9	−42.6	42.6	271.3	0.125	0.375	1.0	39.2	1.2	−47.2	47.3	271.4	7.2	255	0.0	0.266	1.0	37.4	1.1	−48.7	48.7	271.3
117	117_d	0.125	0.5	0.0	0.5	0.5	0.25	136	0.116	0.5	0.0	42.0	−28.9	19.8	35.1	145.5	0.125	0.5	0.0	41.4	−44.7	24.0	50.7	151.6	16.3	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
118	118_d	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	44.2	−25.3	11.5	27.8	155.5	0.125	0.5	0.125	42.7	−31.6	8.9	32.8	164.2	6.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
119	119_d	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.243	44.2	−22.5	2.1	22.6	174.6	0.125	0.5	0.25	43.1	−29.5	−2.1	29.5	184.0	8.2	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
120	120_d	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.381	44.6	−15.8	−8.8	18.0	209.1	0.125	0.5	0.375	44.4	−22.2	−17.9	28.6	218.8	11.2	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
121	121_d	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	43.8	−11.2	−16.1	19.6	235.1	0.125	0.5	0.5	45.7	−17.6	−27.9	33.0	237.6	13.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
122	122_d	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.508	0.625	47.3	−13.1	−23.6	26.9	240.9	0.125	0.5	0.625	47.3	−14.4	−32.2	35.2	245.8	8.7	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
123	123_d	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.51	0.75	49.3	−12.6	−30.9	33.4	247.7	0.125	0.5	0.75	47.8	−13.4	−35.8	38.3	249.4	5.1	232	0.0	0.616	1.0	50.2	−20.2	−49.5	53.5	247.7
124	124_d	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.5	0.875	49.5	−9.9	−37.0	38.3	254.9	0.125	0.5	0.875	48.0	−12.0	−43.4	45.0	254.4	6.8	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
125	125_d	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.489	1.0	49.6	−7.5	−43.2	43.9	260.0	0.125	0.5	1.0	44.3	−8.4	−48.1	48.9	260.0	7.2	245	0.0	0.416	1.0	42.9	−8.6	−49.4	50.1	260.0
126	126_d	0.125	0.625	0.0	0.625	0.625	0.312	139	0.114	0.625	0.0	45.6	−37.4	23.3	44.1	148.1	0.125	0.625	0.0	47.0	−55.6	28.1	62.3	153.1	18.8	140	0.183	1.0	0.0	58.7	−59.9	37.3	70.6	148.1
127	127_d	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	48.0	−33.8	15.4	37.1	155.5	0.125	0.625	0.125	47.4	−40.2	14.8	42.9	159.7	6.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
128	128_d	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.241	47.8	−31.8	7.0	32.6	167.4	0.125	0.625	0.25	47.8	−37.6	3.8	37.8	174.1	6.6	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
129	129_d	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.375	48.4	−25.7	−4.4	26.1	189.8	0.125	0.625	0.375	49.3	−31.0	−11.2	33.0	199.9	8.6	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
130	130_d	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.508	48.4	−19.6	−13.9	24.0	215.4	0.125	0.625	0.5	50.1	−24.7	−22.9	33.7	222.8	10.4	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
131	131_d	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	47.4	−15.0	−21.5	26.2	235.1	0.125	0.625	0.625	50.9	−21.6	−30.9	37.7	234.9	12.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
132	132_d	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.635	0.75	51.0	−16.9	−28.7	33.3	239.5	0.125	0.625	0.75	51.4	−18.6	−35.6	40.2	242.4	7.0	219	0.0	0.816	1.0	53.0	−27.0	−46.0	53.4	239.5
133	133_d	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.637	0.875	53.7	−17.4	−36.5	40.4	244.5	0.125	0.625	0.875	51.5	−17.0	−40.6	44.0	247.2	4.6	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
134	134_d	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.635	1.0	54.9	−15.9	−43.4	46.2	249.7	0.125	0.625	1.0	49.7	−15.8	−47.6	50.1	251.6	6.7	234	0.0	0.583	1.0	49.1	−18.2	−49.6	52.8	249.7
135	135_d	0.125	0.75	0.0	0.75	0.75	0.375	141	0.112	0.75	0.0	49.2	−45.9	26.7	53.1	149.7	0.125	0.75	0.0	52.8	−59.5	31.8	67.5	151.8	14.9	142	0.15	1.0	0.0	57.7	−61.2	35.6	70.9	149.7
136	136_d	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	51.9	−42.3	19.2	46.4	155.5	0.125	0.75	0.125	52.5	−46.5	19.1	50.3	157.6	4.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
137	137_d	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.239	51.5	−40.6	11.3	42.2	164.4	0.125	0.75	0.25	53.2	−43.8	9.1	44.7	168.2	4.1	159	0.0	1.0	0.183	53.8	−65.0	18.1	67.5	164.4
138	138_d	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.364	52.1	−35.3	−0.3	35.3	180.6	0.125	0.75	0.375	54.5	−42.1	−2.9	42.2	184.0	7.6	172	0.0	1.0	0.383	54.7	−56.5	−0.6	56.5	180.6
139	139_d	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.51	52.5	−27.9	−12.1	30.4	203.4	0.125	0.75	0.5	56.3	−33.9	−17.4	38.1	207.1	8.8	187	0.0	1.0	0.616	55.3	−44.7	−19.4	48.7	203.4
140	140_d	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.635	52.2	−23.8	−18.9	30.4	218.4	0.125	0.75	0.625	56.4	−29.5	−26.1	39.4	221.4	10.0	200	0.0	1.0	0.816	54.8	−38.1	−30.3	48.7	218.4
141	141_d	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	51.1	−18.7	−26.9	32.8	235.1	0.125	0.75	0.75	55.6	−25.0	−35.2	43.2	234.6	11.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
142	142_d	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	54.7	−20.6	−33.9	39.7	238.6	0.125	0.75	0.875	55.3	−22.8	−39.2	45.4	239.7	5.7	217	0.0	0.85	1.0	53.0	−27.5	−45.3	53.0	238.6
143	143_d	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.766	1.0	58.0	−22.1	−41.8	47.3	242.1	0.125	0.75	1.0	54.2	−21.2	−45.5	50.2	244.9	5.3	224	0.0	0.733	1.0	52.6	−25.2	−47.8	54.1	242.1
144	144_d	0.125	0.875	0.0	0.875	0.875	0.437	142	0.116	0.875	0.0	53.0	−54.1	30.4	62.1	150.6	0.125	0.875	0.0	57.3	−62.3	36.0	72.0	149.9	10.7	142	0.133	1.0	0.0	57.2	−61.9	34.8	71.0	150.6
145	145_d	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	55.7	−50.7	23.1	55.7	155.5	0.125	0.875	0.125	58.1	−59.2	28.1	65.5	154.5	10.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
146	146_d	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.237	55.3	−49.4	15.6	51.8	162.4	0.125	0.875	0.25	57.8	−56.9	17.5	59.5	162.8	8.1	157	0.0	1.0	0.15	53.8	−65.8	20.8	69.1	162.4
147	147_d	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.362	55.6	−45.0	4.2	45.2	174.6	0.125	0.875	0.375	58.4	−51.0	2.6	51.1	177.0	6.7	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
148	148_d	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.5	56.2	−38.6	−6.6	39.1	189.8	0.125	0.875	0.5	58.7	−44.7	−9.1	45.6	191.5	7.0	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
149	149_d	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.637	56.4	−31.6	−17.6	36.1	209.1	0.125	0.875	0.625	58.9	−38.3	−20.3	43.4	208.0	7.6	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
150	150_d	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.762	55.9	−28.0	−23.9	36.8	220.4	0.125	0.875	0.75	58.2	−33.3	−29.3	44.4	221.3	7.9	202	0.0	1.0	0.85	54.6	−37.3	−31.9	49.1	220.4
151	151_d	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	54.8	−22.5	−32.3	39.3	235.1	0.125	0.875	0.875	57.5	−28.7	−38.2	47.8	233.0	9.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
152	152_d	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.883	1.0	58.4	−24.3	−39.3	46.2	238.2	0.125	0.875	1.0	56.0	−26.3	−43.4	50.8	238.7	5.1	217	0.0	0.866	1.0	53.0	−27.8	−44.9	52.8	238.2
153	153_d	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	56.8	−62.5	34.1	71.3	151.3	0.125	1.0	0.0	57.0	−62.2	34.4	71.1	151.0	0.4	143	0.116	1.0	0.0	56.8	−62.5	34.1	71.3	151.3
154	154_d	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	59.5	−59.2	26.9	65.0	155.5	0.125	1.0	0.125	55.9	−63.0	28.6	69.2	155.5	5.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
155	155_d	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.241	59.0	−57.9	19.5	61.1	161.3	0.125	1.0	0.25	55.6	−60.9	18.4	63.7	163.1	4.6	157	0.0	1.0	0.133	53.8	−66.2	22.3	69.9	161.3
156	156_d	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.358	59.1	−54.6	9.6	55.4	170.0	0.125	1.0	0.375	56.4	−55.3	6.3	55.7	173.4	4.3	164	0.0	1.0	0.266	53.9	−62.4	10.9	63.4	170.0
157	157_d	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.489	59.9	−48.3	−2.7	48.3	183.2	0.125	1.0	0.5	57.3	−49.3	−4.7	49.5	185.4	3.4	174	0.0	1.0	0.416	54.8	−55.2	−3.1	55.2	183.2
158	158_d	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.635	60.3	−41.0	−14.5	43.5	199.5	0.125	1.0	0.625	57.3	−41.3	−18.6	45.3	204.2	5.0	185	0.0	1.0	0.583	55.2	−46.8	−16.6	49.7	199.5
159	159_d	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.766	60.3	−35.1	−22.9	42.0	213.1	0.125	1.0	0.75	57.1	−37.2	−25.8	45.2	214.7	4.7	195	0.0	1.0	0.733	55.2	−40.2	−26.2	48.0	213.1
160	160_d	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.883	59.6	−32.3	−28.6	43.1	221.4	0.125	1.0	0.875	57.0	−33.2	−32.3	46.4	224.2	4.6	202	0.0	1.0	0.866	54.5	−36.9	−32.6	49.3	221.4
161	161_d	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	58.4	−26.2	−37.7	45.9	235.1	0.125	1.0	1.0	54.6	−29.4	−41.5	50.9	234.6	6.2	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
																								delta ***E**' =**	***8.5***									

2−003930−F0

PS490−7N, 10/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

V L O Y M C

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 11/22

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb*'*$_{Fd}$			*LabCh*'*$_{Fd}$					*DE*'*$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
162	162_d	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	29.7	14.3	9.4	17.1	33.4	0.25	0.0	0.0	26.6	14.4	12.1	18.9	40.1	4.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
163	163_d	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.125	29.8	14.7	2.6	14.9	10.0	0.25	0.0	0.125	26.4	17.6	2.2	17.7	7.1	4.4	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
164	164_d	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	29.9	16.3	−3.1	16.6	348.9	0.25	0.0	0.25	27.9	22.7	−10.0	24.8	336.0	9.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
165	165_d	0.25	0.0	0.375	0.375	0.375	0.187	311	0.256	0.0	0.375	30.0	19.3	−9.2	21.4	334.4	0.25	0.0	0.375	28.8	24.9	−17.6	30.5	324.6	10.1	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
166	166_d	0.25	0.0	0.5	0.5	0.5	0.25	300	0.25	0.0	0.5	30.5	21.5	−15.4	26.5	324.4	0.25	0.0	0.5	28.9	25.7	−25.1	35.9	315.6	10.6	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
167	167_d	0.25	0.0	0.625	0.625	0.625	0.312	293	0.239	0.0	0.625	30.4	24.1	−21.7	32.4	317.9	0.25	0.0	0.625	29.8	28.8	−31.0	42.3	312.9	10.4	292	0.383	0.0	1.0	34.4	38.5	−34.7	51.9	317.9
168	168_d	0.25	0.0	0.75	0.75	0.75	0.375	289	0.237	0.0	0.75	30.5	26.0	−27.9	38.2	312.9	0.25	0.0	0.75	31.0	30.1	−35.2	46.3	310.5	8.3	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
169	169_d	0.25	0.0	0.875	0.875	0.875	0.437	286	0.233	0.0	0.875	30.5	27.6	−34.0	43.8	309.1	0.25	0.0	0.875	31.5	30.7	−38.1	48.9	308.8	5.2	284	0.266	0.0	1.0	31.4	31.6	−38.8	50.1	309.1
170	170_d	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6	0.25	0.0	1.0	31.0	30.5	−39.3	49.8	307.8	1.0	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
171	171_d	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.125	0.0	35.5	4.8	16.5	17.2	73.8	0.25	0.125	0.0	32.1	3.1	19.8	20.0	81.0	5.0	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
172	172_d	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	35.8	7.1	4.7	8.5	33.4	0.25	0.125	0.125	30.7	8.8	7.3	11.5	39.8	5.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
173	173_d	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	35.8	8.1	−1.5	8.3	348.9	0.25	0.125	0.25	32.9	13.4	−8.4	15.9	327.8	9.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
174	174_d	0.25	0.125	0.375	0.375	0.25	0.25	300	0.25	0.124	0.375	36.1	10.7	−7.7	13.2	324.4	0.25	0.125	0.375	33.3	13.6	−17.6	22.3	307.5	10.7	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
175	175_d	0.25	0.125	0.5	0.5	0.375	0.312	289	0.243	0.124	0.5	36.1	13.0	−13.9	19.1	312.9	0.25	0.125	0.5	34.1	15.5	−25.6	30.0	301.2	12.1	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
176	176_d	0.25	0.125	0.625	0.625	0.5	0.375	284	0.241	0.125	0.625	36.4	14.8	−19.9	24.8	306.6	0.25	0.125	0.625	37.0	18.0	−31.1	36.0	300.1	11.7	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
177	177_d	0.25	0.125	0.75	0.75	0.625	0.437	281	0.239	0.125	0.75	37.5	16.8	−25.6	30.6	303.2	0.25	0.125	0.75	38.2	19.8	−36.3	41.4	298.5	11.1	279	0.183	0.0	1.0	31.3	26.8	−41.0	49.0	303.2
178	178_d	0.25	0.125	0.875	0.875	0.75	0.5	279	0.237	0.125	0.875	38.5	18.7	−31.3	36.5	300.9	0.25	0.125	0.875	35.5	24.3	−40.4	47.1	301.0	11.1	278	0.15	0.0	1.0	31.4	25.0	−41.7	48.6	300.9
179	179_d	0.25	0.125	1.0	1.0	0.875	0.562	278	0.241	0.125	1.0	39.6	21.0	−36.8	42.4	299.8	0.25	0.125	1.0	34.9	24.2	−40.6	47.3	300.7	6.8	277	0.133	0.0	1.0	31.5	24.1	−42.0	48.4	299.8
180	180_d	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	40.7	−3.9	21.1	21.5	100.5	0.25	0.25	0.0	39.4	−7.8	29.7	30.8	104.8	9.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
181	181_d	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	41.3	−1.9	10.5	10.7	100.5	0.25	0.25	0.125	39.8	−5.3	15.2	16.1	109.2	5.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
182	182_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.8	−0.1	−1.2	1.2	265.1	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
183	183_d	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	42.9	2.1	−5.5	5.9	290.8	0.25	0.25	0.375	37.2	2.3	−18.7	18.9	276.9	14.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
184	184_d	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	44.0	4.2	−11.1	11.9	290.8	0.25	0.25	0.5	39.7	5.0	−25.0	25.4	281.3	14.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
185	185_d	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	45.1	6.3	−16.7	17.8	290.8	0.25	0.25	0.625	41.8	8.2	−29.3	30.4	285.7	13.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
186	186_d	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	46.2	8.4	−22.3	23.8	290.8	0.25	0.25	0.75	43.1	11.1	−34.5	36.3	287.8	12.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
187	187_d	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	47.2	10.5	−27.8	29.8	290.8	0.25	0.25	0.875	40.2	15.3	−41.4	44.1	290.2	15.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
188	188_d	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	48.3	12.7	−33.4	35.7	290.8	0.25	0.25	1.0	38.0	16.5	−42.0	45.1	291.5	14.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
189	189_d	0.25	0.375	0.0	0.375	0.375	0.187	109	0.256	0.375	0.0	46.6	−10.3	28.7	30.5	109.8	0.25	0.375	0.0	41.6	−14.3	30.8	34.0	114.9	6.7	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
190	190_d	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	44.6	−10.4	13.7	17.2	127.3	0.25	0.375	0.125	44.8	−13.9	15.6	20.9	131.6	4.0	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
191	191_d	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	45.6	−8.4	3.8	9.2	155.5	0.25	0.375	0.25	43.9	−11.7	−0.1	11.7	180.5	5.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
192	192_d	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	45.5	−3.7	−5.3	6.5	235.1	0.25	0.375	0.375	44.7	−10.3	−17.0	19.9	238.7	13.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
193	193_d	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.375	0.5	47.4	−3.3	−12.3	12.7	254.9	0.25	0.375	0.5	46.4	−5.5	−23.0	23.6	256.5	10.9	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
194	194_d	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.368	0.625	47.6	−0.8	−18.4	18.4	267.3	0.25	0.375	0.625	46.8	−2.5	−27.6	27.7	264.7	9.4	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
195	195_d	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.366	0.75	48.2	1.6	−24.1	24.2	273.8	0.25	0.375	0.75	46.6	0.6	−33.1	33.1	271.0	9.1	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
196	196_d	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.364	0.875	49.3	3.8	−29.7	29.9	277.3	0.25	0.375	0.875	45.7	4.1	−41.8	42.1	275.7	12.7	260	0.0	0.183	1.0	35.9	6.1	−47.5	47.9	277.3
197	197_d	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.362	1.0	50.5	6.0	−35.1	35.6	279.6	0.25	0.375	1.0	42.5	7.0	−42.9	43.5	279.3	11.2	262	0.0	0.15	1.0	35.4	8.0	−46.9	47.5	279.6
198	198_d	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	47.4	−20.8	27.4	34.4	127.3	0.25	0.5	0.0	43.9	−28.1	32.6	43.1	130.7	9.6	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
199	199_d	0.25	0.5	0.125	0.5	0.375	0.312	131	0.243	0.5	0.124	47.8	−19.5	16.7	25.7	139.4	0.25	0.5	0.125	47.6	−24.8	16.6	29.9	146.1	5.2	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
200	200_d	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	49.4	−16.9	7.7	18.5	155.5	0.25	0.5	0.25	46.4	−22.2	3.8	22.6	170.1	7.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
201	201_d	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	49.6	−12.8	−2.2	13.0	189.8	0.25	0.5	0.375	48.2	−16.8	−9.9	19.5	210.3	8.7	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
202	202_d	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	49.1	−7.5	−10.7	13.1	235.1	0.25	0.5	0.5	50.5	−14.1	−21.4	25.7	236.7	12.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
203	203_d	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.506	0.625	52.2	−8.7	−18.2	20.2	244.5	0.25	0.5	0.625	51.2	−10.1	−27.6	29.4	249.8	9.5	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
204	204_d	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.5	0.75	53.0	−6.6	−24.7	25.5	254.9	0.25	0.5	0.75	51.3	−8.5	−31.4	32.6	254.7	7.2	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
205	205_d	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.489	0.875	53.0	−4.2	−30.8	31.1	262.1	0.25	0.5	0.875	51.1	−6.6	−39.5	40.0	260.4	9.2	247	0.0	0.383	1.0	41.7	−6.8	−49.3	49.7	262.1
206	206_d	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.487	1.0	53.4	−1.7	−36.8	36.8	267.3	0.25	0.5	1.0	45.0	−0.5	−44.4	44.4	269.3	11.3	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
207	207_d	0.25	0.625	0.0	0.625	0.625	0.312	127	0.239	0.625	0.0	50.7	−29.5	30.3	42.3	134.2	0.25	0.625	0.0	49.0	−39.1	34.5	52.1	138.5	10.6	127	0.383	1.0	0.0	66.8	−47.2	48.5	67.7	134.2
208	208_d	0.25	0.625	0.125	0.625	0.5	0.375	136	0.241	0.625	0.125	51.0	−28.9	19.8	35.1	145.5	0.25	0.625	0.125	51.3	−33.6	22.4	40.4	146.3	5.3	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
209	209_d	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	53.2	−25.3	11.5	27.8	155.5	0.25	0.625	0.25	51.5	−29.9	9.9	31.5	161.5	5.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
210	210_d	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.368	53.2	−22.5	2.1	22.6	174.6	0.25	0.625	0.375	53.7	−24.9	−3.1	25.1	187.0	5.7	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
211	211_d	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.506	53.6	−15.8	−8.8	18.0	209.1	0.25	0.625	0.5	54.8	−20.1	−15.5	25.4	217.5	8.0	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
212	212_d	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	52.8	−11.2	−16.1	19.6	235.1	0.25	0.625	0.625	54.2	−16.5	−26.0	30.8	237.5	11.2	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
213	213_d	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.633	0.75	56.3	−13.1	−23.6	26.9	240.9	0.25	0.625	0.75	55.1	−13.9	−31.3	34.2	245.9	7.8	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
214	214_d	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.635	0.875	58.3	−12.6	−30.9	33.4	247.7	0.25	0.625	0.875	55.5	−12.8	−36.5	38.7	250.6	6.3	232	0.0	0.616	1.0	50.2	−20.2	−49.5	53.5	247.7
215	215_d	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.625	1.0	58.5	−9.9	−37.0	38.3	254.9	0.25	0.625	1.0	52.2	−11.8	−43.9	45.5	254.8	9.5	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
216	216_d	0.25	0.75	0.0	0.75	0.75	0.375	131	0.237	0.75	0.0	53.8	−39.1	33.5	51.5	139.4	0.25	0.75	0.0	57.1	−46.6	39.6	61.1	139.6	10.1	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
217	217_d	0.25	0.75	0.125	0.75	0.625	0.437	139	0.239	0.75	0.125	54.6	−37.4	23.3	44.1	148.1	0.25	0.75	0.125	56.1	−40.3	24.6	47.2	148.6	3.4	140	0.183	1.0	0.0	58.7	−59.9	37.3	70.6	148.1
218	218_d	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	57.0	−33.8	15.4	37.1	155.5	0.25	0.75	0.25	57.2	−36.4	13.9	39.0	159.0	2.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
219	219_d	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.366	56.8	−31.8	7.0	32.6	167.4	0.25	0.75	0.375	58.6	−33.1	4.1	33.4	172.9	3.6	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
220	220_d	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.5	57.4	−25.7	−4.4	26.1	189.8	0.25	0.75	0.5	59.9	−28.0	−8.3	29.2	196.5	5.1	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
221	221_d	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.633	57.4	−19.6	−13.9	24.0	215.4	0.25	0.75	0.625	60.4	−22.8	−20.5	30.7	221.9	7.8	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
222	222_d	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	56.4	−15.0	−21.5	26.2	235.1	0.25	0.75	0.75	60.1	−19.6	−29.7	35.6	236.5	10.1	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
223	223_d	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.76	0.875	60.0	−16.9	−28.7	33.3	239.5	0.25	0.75	0.875	60.2	−18.2	−35.1	39.5	242.5	6.4	219	0.0	0.816	1.0	53.0	−27.0	−46.0	53.4	239.5
224	224_d	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.762	1.0	62.7	−17.4	−36.5	40.4	244.5	0.25	0.75	1.0	58.4	−17.7	−41.7	45.3	246.9	6.7	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
225	225_d	0.25	0.875	0.0	0.875	0.875	0.437	134	0.233	0.875	0.0	56.7	−49.0	36.3	61.0	143.4	0.25	0.875	0.0	61.6	−55.2	42.0	69.3	142.7	9.7	135	0.266	1.0	0.0	61.4	−56.0	41.5	69.7	143.4
226	226_d	0.25	0.875	0.125	0.875	0.75	0.5	141	0.237	0.875	0.125	58.2	−45.9	26.7	53.1	149.7	0.25	0.875	0.125	62.1	−53.8	33.1	63.2	148.4	10.9	142	0.15	1.0	0.0	57.7	−61.2	35.6	70.9	149.7
227	227_d	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	60.9	−42.3	19.2	46.4	155.5	0.25	0.875	0.25	63.3	−48.9	21.1	53.3	156.5	7.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
228	228_d	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.364	60.5	−40.6	11.3	42.2	164.4	0.25	0.875	0.375	64.3	−43.8	9.2	44.7	168.0	5.3	159	0.0	1.0	0.183	53.8	−65.0	18.1	67.5	164.4
229	229_d	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.489	61.1	−35.3	−0.3	35.3	180.6	0.25	0.875	0.5	64.5	−38.8	−3.1	38.9	184.6	5.6	172	0.0	1.0	0.383	54.7	−56.5	−0.6	56.5	180.6
230	230_d	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.635	61.5	−27.9	−12.1	30.4	203.4	0.25	0.875	0.625	65.0	−31.9	−14.1	34.9	203.9	5.7	187	0.0	1.0	0.616	55.3	−44.7	−19.4	48.7	203.4
231	231_d	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.76	61.2	−23.8	−18.9	30.4	218.4	0.25	0.875	0.75	63.2	−26.7	−25.9	37.2	224.1	7.8	200	0.0	1.0	0.816	54.8	−38.1	−30.3	48.7	218.4
232	232_d	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	60.1	−18.7	−26.9	32.8	235.1	0.25	0.875	0.875	63.6	−23.3	−33.5	40.9	235.1	8.8	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
233	233_d	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	63.7	−20.6	−33.9	39.7	238.6	0.25	0.875	1.0	62.8	−20.3	−38.6	43.6	242.1	4.7	217	0.0	0.85	1.0	53.0	−27.5	−45.3	53.0	238.6
234	234_d	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5	0.25	1.0	0.0	60.6	−57.2	40.4	70.1	144.7	1.1	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
235	235_d	0.25	1.0	0.125	1.0	0.875	0.562	142	0.241	1.0	0.125	62.0	−54.1	30.4	62.1	150.6	0.25	1.0	0.125	62.6	−52.4	32.5	61.7	148.2	2.7	142	0.133	1.0	0.0	57.2	−61.9	34.8	71.0	150.6
236	236_d	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	64.7	−50.7	23.1	55.7	155.5	0.25	1.0	0.25	61.1	−52.9	23.4	57.9	156.0	4.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
237	237_d	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.362	64.3	−49.4	15.6	51.8	162.4	0.25	1.0	0.375	61.0	−49.8	12.0	51.2	166.4	4.8	157	0.0	1.0	0.15	53.8	−65.8	20.8	69.1	162.4
238	238_d	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.487	64.6	−45.0	4.2	45.2	174.6	0.25	1.0	0.5	61.5	−44.6	1.0	44.6	178.7	4.5	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
239	239_d	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.625	65.2	−38.6	−6.6	39.1	189.8	0.25	1.0	0.625	62.3	−36.8	−13.9	39.3	200.7	8.0	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
240	240_d	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.762	65.4	−31.6	−17.6	36.1	209.1	0.25	1.0	0.75	62.6	−31.9	−21.4	38.4	213.8	4.7	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
241	241_d	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.887	64.9	−28.0	−23.9	36.8	220.4	0.25	1.0	0.875	62.7	−28.1	−29.2	40.5	226.1	5.7	202	0.0	1.0	0.85	54.6	−37.3	−31.9	49.1	220.4
242	242_d	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	63.8	−22.5	−32.3	39.3	235.1	0.25	1.0	1.0	59.3	−26.4	−37.8	46.1	235.0	8.1	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = *8.0***

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

2−0031030−F0 PS490−7N, 11/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
243	243$_d$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	32.7	21.4	14.1	25.7	33.4	0.375	0.0	0.0	31.0	26.1	19.8	32.8	37.1	7.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
244	244$_d$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.118	32.7	21.2	8.7	22.9	22.3	0.375	0.0	0.125	33.0	25.3	9.6	27.1	20.9	4.2	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
245	245$_d$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.256	33.1	23.7	−0.6	23.7	358.3	0.375	0.0	0.25	32.8	30.2	−2.5	30.3	355.1	6.8	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
246	246$_d$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	32.9	24.5	−4.7	24.9	348.9	0.375	0.0	0.375	33.5	35.7	−11.0	37.4	342.8	12.8	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
247	247$_d$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.383	0.0	0.5	33.1	27.9	−10.4	29.8	339.4	0.375	0.0	0.5	32.8	37.7	−16.7	41.2	336.0	11.6	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
248	248$_d$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.385	0.0	0.625	33.3	30.0	−17.2	34.6	330.2	0.375	0.0	0.625	32.2	37.2	−24.4	44.5	326.7	10.2	307	0.616	0.0	1.0	38.9	48.1	−27.5	55.4	330.2
249	249$_d$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.375	0.0	0.75	33.8	32.3	−23.1	39.8	324.4	0.375	0.0	0.75	33.6	38.5	−29.6	48.6	322.4	9.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
250	250$_d$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.364	0.0	0.875	33.8	34.9	−29.5	45.7	319.8	0.375	0.0	0.875	34.5	38.8	−33.1	51.0	319.5	5.3	294	0.416	0.0	1.0	35.2	39.9	−33.7	52.2	319.8
251	251$_d$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	34.0	37.7	−35.3	51.7	316.8	0.375	0.0	1.0	34.2	38.2	−35.0	51.8	317.5	0.6	291	0.366	0.0	1.0	34.0	37.7	−35.3	51.7	316.8
252	252$_d$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.118	0.0	38.0	13.3	21.8	25.5	58.6	0.375	0.125	0.0	36.3	11.9	25.7	28.3	65.0	4.4	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
253	253$_d$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	38.7	14.3	9.4	17.1	33.4	0.375	0.125	0.125	38.6	13.7	16.1	21.2	49.5	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
254	254$_d$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.25	38.8	14.7	2.6	14.9	10.0	0.375	0.125	0.25	37.5	19.2	1.8	19.3	5.6	4.7	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
255	255$_d$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	38.9	16.3	−3.1	16.6	348.9	0.375	0.125	0.375	38.9	24.5	−10.7	26.7	336.2	11.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
256	256$_d$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.381	0.124	0.5	39.0	19.3	−9.2	21.4	334.4	0.375	0.125	0.5	38.4	26.0	−16.9	31.0	326.8	10.2	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
257	257$_d$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.375	0.125	0.625	39.5	21.5	−15.4	26.5	324.4	0.375	0.125	0.625	38.1	26.4	−24.3	35.9	317.3	10.2	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
258	258$_d$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.364	0.125	0.75	39.4	24.1	−21.7	32.4	317.9	0.375	0.125	0.75	39.9	26.8	−29.2	39.7	312.5	8.0	292	0.383	0.0	1.0	34.4	38.5	−34.7	51.9	317.9
259	259$_d$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.362	0.125	0.875	39.5	26.0	−27.9	38.2	312.9	0.375	0.125	0.875	36.6	33.1	−35.8	48.7	312.7	10.9	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
260	260$_d$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.358	0.125	1.0	39.5	27.6	−34.0	43.8	309.1	0.375	0.125	1.0	36.6	31.2	−36.5	48.1	310.4	5.2	284	0.266	0.0	1.0	31.4	31.6	−38.8	50.1	309.1
261	261$_d$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.256	0.0	44.4	2.0	27.7	27.8	85.7	0.375	0.25	0.0	41.9	0.3	36.3	36.3	89.4	9.1	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
262	262$_d$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.25	0.124	44.5	4.8	16.5	17.2	73.8	0.375	0.25	0.125	46.0	1.9	22.4	22.4	84.9	6.6	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
263	263$_d$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	44.8	7.1	4.7	8.5	33.4	0.375	0.25	0.25	44.2	8.2	6.2	10.3	37.2	2.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
264	264$_d$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	44.8	8.1	−1.5	8.3	348.9	0.375	0.25	0.375	44.6	12.6	−8.8	15.4	324.8	8.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
265	265$_d$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.375	0.249	0.5	45.1	10.7	−7.7	13.2	324.4	0.375	0.25	0.5	43.9	14.9	−17.7	23.1	310.0	10.9	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
266	266$_d$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.368	0.25	0.625	45.1	13.0	−13.9	19.1	312.9	0.375	0.25	0.625	43.8	16.7	−24.9	30.0	303.9	11.6	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
267	267$_d$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.366	0.25	0.75	45.4	14.8	−19.9	24.8	306.6	0.375	0.25	0.75	45.3	17.2	−29.4	34.1	300.3	9.8	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
268	268$_d$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.364	0.25	0.875	46.5	16.8	−25.6	30.6	303.2	0.375	0.25	0.875	41.4	23.7	−37.0	43.9	302.7	14.2	279	0.183	0.0	1.0	31.3	26.8	−41.0	49.0	303.2
269	269$_d$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.362	0.25	1.0	47.5	18.7	−31.3	36.5	300.9	0.375	0.25	1.0	40.0	23.6	−38.0	44.7	301.8	11.1	278	0.15	0.0	1.0	31.4	25.0	−41.7	48.6	300.9
270	270$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	49.2	−5.9	31.7	32.3	100.5	0.375	0.375	0.0	51.3	−10.5	44.1	45.3	103.3	13.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
271	271$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	49.7	−3.9	21.1	21.5	100.5	0.375	0.375	0.125	54.5	−9.1	32.2	33.5	105.8	13.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
272	272$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	50.3	−1.9	10.5	10.7	100.5	0.375	0.375	0.25	52.7	−5.7	13.0	14.2	113.7	5.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
273	273$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.9	0.0	−1.3	1.3	267.6	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
274	274$_d$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	51.9	2.1	−5.5	5.9	290.8	0.375	0.375	0.5	49.1	2.6	−17.1	17.3	278.8	11.8	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
275	275$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	53.0	4.2	−11.1	11.9	290.8	0.375	0.375	0.625	49.0	5.4	−23.7	24.3	282.9	13.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
276	276$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	54.1	6.3	−16.7	17.8	290.8	0.375	0.375	0.75	50.1	8.2	−28.1	29.3	286.2	12.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
277	277$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	55.2	8.4	−22.3	23.8	290.8	0.375	0.375	0.875	48.1	13.7	−36.3	38.8	290.6	16.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
278	278$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	56.2	10.5	−27.8	29.8	290.8	0.375	0.375	1.0	45.6	15.1	−37.4	40.3	291.9	14.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
279	279$_d$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.383	0.5	0.0	57.1	−10.4	43.2	44.5	103.6	0.375	0.5	0.0	52.5	−14.9	46.5	48.9	107.8	7.2	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
280	280$_d$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.381	0.5	0.124	55.6	−10.3	28.7	30.5	109.8	0.375	0.5	0.125	58.4	−15.5	32.6	36.1	115.5	7.0	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
281	281$_d$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	53.6	−10.4	13.7	17.2	127.3	0.375	0.5	0.25	57.6	−13.8	15.4	20.6	131.8	5.5	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
282	282$_d$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	54.6	−8.4	3.8	9.2	155.5	0.375	0.5	0.375	57.3	−10.5	1.3	10.6	172.6	4.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
283	283$_d$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	54.5	−3.7	−5.3	6.5	235.1	0.375	0.5	0.5	57.8	−8.1	−14.6	16.7	240.7	10.7	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
284	284$_d$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.5	0.625	56.4	−3.3	−12.3	12.7	254.9	0.375	0.5	0.625	55.5	−5.3	−22.4	23.0	256.4	10.2	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
285	285$_d$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.493	0.75	56.6	−0.8	−18.4	18.4	267.3	0.375	0.5	0.75	55.8	−1.9	−26.2	26.2	265.7	7.8	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
286	286$_d$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.491	0.875	57.2	1.6	−24.1	24.2	273.8	0.375	0.5	0.875	55.6	1.9	−34.3	34.3	273.1	10.2	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
287	287$_d$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.489	1.0	58.3	3.8	−29.7	29.9	277.3	0.375	0.5	1.0	50.5	7.1	−37.2	37.9	280.8	11.3	260	0.0	0.183	1.0	35.9	6.1	−47.5	47.9	277.3
288	288$_d$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.385	0.625	0.0	58.5	−20.3	41.9	46.6	115.8	0.375	0.625	0.0	54.6	−24.7	44.4	50.8	119.1	6.3	112	0.616	1.0	0.0	79.3	−32.5	67.1	74.6	115.8
289	289$_d$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	56.4	−20.8	27.4	34.4	127.3	0.375	0.625	0.125	60.5	−24.0	33.1	40.9	125.9	7.7	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
290	290$_d$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.368	0.625	0.25	56.8	−19.5	16.7	25.7	139.4	0.375	0.625	0.25	59.6	−23.4	16.6	28.7	144.4	4.7	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
291	291$_d$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	58.4	−16.9	7.7	18.5	155.5	0.375	0.625	0.375	59.8	−21.2	2.2	21.3	174.0	7.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
292	292$_d$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	58.6	−12.8	−2.2	13.0	189.8	0.375	0.625	0.5	61.0	−16.0	−9.8	18.8	211.6	8.6	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
293	293$_d$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	58.1	−7.5	−10.7	13.1	235.1	0.375	0.625	0.625	61.7	−13.9	−20.3	24.6	235.5	12.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
294	294$_d$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.631	0.75	61.2	−8.7	−18.2	20.2	244.5	0.375	0.625	0.75	62.0	−10.7	−25.9	28.0	247.4	7.9	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
295	295$_d$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.625	0.875	61.9	−6.6	−24.7	25.5	254.9	0.375	0.625	0.875	60.9	−8.3	−30.8	32.0	254.8	6.5	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
296	296$_d$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.614	1.0	62.0	−4.2	−30.8	31.1	262.1	0.375	0.625	1.0	55.0	−3.9	−38.4	38.6	264.0	10.3	247	0.0	0.383	1.0	41.7	−6.8	−49.3	49.7	262.1
297	297$_d$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	59.2	−31.3	41.1	51.6	127.3	0.375	0.75	0.0	59.8	−35.2	45.5	57.5	127.7	5.9	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
298	298$_d$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.364	0.75	0.125	59.7	−29.5	30.3	42.3	134.2	0.375	0.75	0.125	63.2	−34.1	33.8	48.0	135.2	6.7	127	0.383	1.0	0.0	66.8	−47.2	48.5	67.7	134.2
299	299$_d$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.366	0.75	0.25	59.9	−28.9	19.8	35.1	145.5	0.375	0.75	0.25	63.2	−31.5	18.9	36.8	148.9	4.1	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
300	300$_d$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	62.2	−25.3	11.5	27.8	155.5	0.375	0.75	0.375	64.0	−28.1	7.2	29.0	165.5	5.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
301	301$_d$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.493	62.2	−22.5	2.1	22.6	174.6	0.375	0.75	0.5	65.6	−24.0	−3.0	24.2	187.1	6.3	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
302	302$_d$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.631	62.6	−15.8	−8.8	18.0	209.1	0.375	0.75	0.625	65.5	−19.9	−16.4	25.8	219.4	9.1	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
303	303$_d$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	61.8	−11.2	−16.1	19.6	235.1	0.375	0.75	0.75	66.7	−17.2	−24.6	30.1	234.9	11.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
304	304$_d$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.758	0.875	65.3	−13.1	−23.6	26.9	240.9	0.375	0.75	0.875	66.6	−15.4	−30.4	34.1	243.0	7.3	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
305	305$_d$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.76	1.0	67.3	−12.6	−30.9	33.4	247.7	0.375	0.75	1.0	65.2	−14.4	−34.4	37.3	247.2	4.4	232	0.0	0.616	1.0	50.2	−20.2	−49.5	53.5	247.7
306	306$_d$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.364	0.875	0.0	62.5	−40.0	44.0	59.5	132.2	0.375	0.875	0.0	65.1	−42.1	48.4	64.2	131.0	5.5	125	0.416	1.0	0.0	68.0	−45.7	50.3	68.0	132.2
307	307$_d$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.362	0.875	0.125	62.8	−39.1	33.5	51.5	139.4	0.375	0.875	0.125	68.5	−42.0	41.3	58.9	135.4	10.0	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
308	308$_d$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.364	0.875	0.25	63.6	−37.4	23.3	44.1	148.1	0.375	0.875	0.25	69.1	−38.0	25.3	45.7	146.3	5.9	140	0.183	1.0	0.0	58.7	−59.9	37.3	70.6	148.1
309	309$_d$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	66.0	−33.8	15.4	37.1	155.5	0.375	0.875	0.375	70.2	−35.8	15.5	39.0	156.5	4.6	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
310	310$_d$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.491	65.8	−31.8	7.0	32.6	167.4	0.375	0.875	0.5	70.5	−32.5	4.6	32.8	171.8	5.3	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
311	311$_d$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.625	66.4	−25.7	−4.4	26.1	189.8	0.375	0.875	0.625	70.2	−27.4	−7.1	28.4	194.5	4.9	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
312	312$_d$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.758	66.4	−19.6	−13.9	24.0	215.4	0.375	0.875	0.75	69.8	−23.6	−19.2	30.4	219.2	7.4	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
313	313$_d$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	65.4	−15.0	−21.5	26.2	235.1	0.375	0.875	0.875	69.6	−19.7	−29.8	35.8	236.5	10.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
314	314$_d$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.885	1.0	69.0	−16.9	−28.7	33.3	239.5	0.375	0.875	1.0	69.0	−18.0	−32.5	37.1	240.9	3.8	219	0.0	0.816	1.0	53.0	−27.0	−46.0	53.4	239.5
315	315$_d$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.3	0.375	1.0	0.0	66.5	−47.5	48.0	67.6	134.7	0.8	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.3
316	316$_d$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.358	1.0	0.125	65.7	−49.0	36.3	61.0	143.4	0.375	1.0	0.125	65.8	−48.1	40.9	63.2	139.6	4.6	135	0.266	1.0	0.0	61.4	−56.0	41.5	69.7	143.4
317	317$_d$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.362	1.0	0.25	67.2	−45.9	26.7	53.1	149.7	0.375	1.0	0.25	68.6	−41.6	26.2	49.1	147.8	4.5	142	0.15	1.0	0.0	57.7	−61.2	35.6	70.9	149.7
318	318$_d$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	69.9	−42.3	19.2	46.4	155.5	0.375	1.0	0.375	67.7	−40.5	17.5	44.1	156.6	3.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
319	319$_d$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.489	69.5	−40.6	11.3	42.2	164.4	0.375	1.0	0.5	68.0	−37.8	9.0	38.9	166.4	3.9	159	0.0	1.0	0.183	53.8	−65.0	18.1	67.5	164.4
320	320$_d$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.614	70.1	−35.3	−0.3	35.3	180.6	0.375	1.0	0.625	69.0	−32.3	−4.1	32.5	187.3	4.9	172	0.0	1.0	0.383	54.7	−56.5	−0.6	56.5	180.6
321	321$_d$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.76	70.5	−27.9	−12.1	30.4	203.4	0.375	1.0	0.75	69.0	−27.4	−16.8	32.2	211.4	4.9	187	0.0	1.0	0.616	55.3	−44.7	−19.4	48.7	203.4
322	322$_d$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.885	70.2	−23.8	−18.9	30.4	218.4	0.375	1.0	0.875	69.3	−23.5	−24.1	33.7	225.7	5.3	200	0.0	1.0	0.816	54.8	−38.1	−30.3	48.7	218.4
323	323$_d$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	69.1	−18.7	−26.9	32.8	235.1	0.375	1.0	1.0	67.9	−20.6	−32.1	38.2	237.3	5.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = *7.7***

2−0031130−F0

PS490−7N, 12/22−F

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

2−0031130−F0

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 13/22

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

n	HIC*$_{Fd}$	*rgb*_Fd			*ict*_Fd			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$				
324	324_{d}	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	35.7	28.6	18.9	34.3	33.4
325	325_{d}	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.116	35.7	28.0	14.2	31.4	26.9
326	326_{d}	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.25	35.8	29.4	5.2	29.9	10.0
327	327_{d}	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.383	36.6	32.3	−3.5	32.5	353.7
328	328_{d}	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	36.0	32.7	−6.3	33.3	348.9
329	329_{d}	0.5	0.0	0.625	0.625	0.625	0.312	319	0.51	0.0	0.625	36.3	36.1	−12.0	38.1	341.5
330	330_{d}	0.5	0.0	0.75	0.75	0.75	0.375	311	0.512	0.0	0.75	36.2	38.7	−18.5	42.9	334.4
331	331_{d}	0.5	0.0	0.875	0.875	0.875	0.437	305	0.51	0.0	0.875	36.6	40.8	−24.9	47.9	328.5
332	332_{d}	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
333	333_{d}	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.116	0.0	40.6	21.7	27.2	34.8	51.4
334	334_{d}	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	41.7	21.4	14.1	25.7	33.4
335	335_{d}	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.243	41.7	21.2	8.7	22.9	22.3
336	336_{d}	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.381	42.1	23.7	−0.6	23.7	358.3
337	337_{d}	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	41.9	24.5	−4.7	24.9	348.9
338	338_{d}	0.5	0.125	0.625	0.625	0.5	0.375	316	0.508	0.125	0.625	42.1	27.9	−10.4	29.8	339.4
339	339_{d}	0.5	0.125	0.75	0.75	0.625	0.437	307	0.51	0.125	0.75	42.3	30.0	−17.2	34.6	330.2
340	340_{d}	0.5	0.125	0.875	0.875	0.75	0.5	300	0.5	0.125	0.875	42.8	32.3	−23.1	39.8	324.4
341	341_{d}	0.5	0.125	1.0	1.0	0.875	0.562	295	0.489	0.125	1.0	42.8	34.9	−29.5	45.7	319.8
342	342_{d}	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	47.1	9.6	33.1	34.5	73.8
343	343_{d}	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.243	0.124	47.0	13.3	21.8	25.5	58.6
344	344_{d}	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	47.7	14.3	9.4	17.1	33.4
345	345_{d}	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.375	47.8	14.7	2.6	14.9	10.0
346	346_{d}	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	47.9	16.3	−3.1	16.6	348.9
347	347_{d}	0.5	0.25	0.625	0.625	0.375	0.437	311	0.506	0.25	0.625	48.0	19.3	−9.2	21.4	334.4
348	348_{d}	0.5	0.25	0.75	0.75	0.5	0.5	300	0.5	0.25	0.75	48.5	21.5	−15.4	26.5	324.4
349	349_{d}	0.5	0.25	0.875	0.875	0.625	0.562	293	0.489	0.25	0.875	48.4	24.1	−21.7	32.4	317.9
350	350_{d}	0.5	0.25	1.0	1.0	0.75	0.625	289	0.487	0.25	1.0	48.5	26.0	−27.9	38.2	312.9
351	351_{d}	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.383	0.0	53.7	−1.4	38.4	38.4	92.2
352	352_{d}	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.381	0.124	53.4	2.0	27.7	27.8	85.7
353	353_{d}	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.375	0.249	53.5	4.8	16.5	17.2	73.8
354	354_{d}	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	53.8	7.1	4.7	8.5	33.4
355	355_{d}	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	53.8	8.1	−1.5	8.3	348.9
356	356_{d}	0.5	0.375	0.625	0.625	0.25	0.5	300	0.5	0.375	0.625	54.1	10.7	−7.7	13.2	324.4
357	357_{d}	0.5	0.375	0.75	0.75	0.375	0.562	289	0.493	0.375	0.75	54.1	13.0	−13.9	19.1	312.9
358	358_{d}	0.5	0.375	0.875	0.875	0.5	0.625	284	0.491	0.375	0.875	54.4	14.8	−19.9	24.8	306.6
359	359_{d}	0.5	0.375	1.0	1.0	0.625	0.687	281	0.489	0.375	1.0	55.5	16.8	−25.6	30.6	303.2
360	360_{d}	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	57.7	−7.9	42.3	43.0	100.5
361	361_{d}	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	58.2	−5.9	31.7	32.3	100.5
362	362_{d}	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	58.7	−3.9	21.1	21.5	100.5
363	363_{d}	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	59.3	−1.9	10.5	10.7	100.5
364	364_{d}	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0
365	365_{d}	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	60.9	2.1	−5.5	5.9	290.8
366	366_{d}	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	62.0	4.2	−11.1	11.9	290.8
367	367_{d}	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	63.1	6.3	−16.7	17.8	290.8
368	368_{d}	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	64.2	8.4	−22.3	23.8	290.8
369	369_{d}	0.5	0.625	0.0	0.625	0.625	0.312	101	0.51	0.625	0.0	66.1	−12.3	54.9	56.2	102.6
370	370_{d}	0.5	0.625	0.125	0.625	0.5	0.375	104	0.508	0.625	0.125	66.1	−10.4	43.2	44.5	103.6
371	371_{d}	0.5	0.625	0.25	0.625	0.375	0.437	109	0.506	0.625	0.25	64.6	−10.3	28.7	30.5	109.8
372	372_{d}	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	62.6	−10.4	13.7	17.2	127.3
373	373_{d}	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	63.6	−8.4	3.8	9.2	155.5
374	374_{d}	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	63.5	−3.7	−5.3	6.5	235.1
375	375_{d}	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.625	0.75	65.4	−3.3	−12.3	12.7	254.9
376	376_{d}	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.618	0.875	65.6	−0.8	−18.4	18.4	267.3
377	377_{d}	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.616	1.0	66.2	1.6	−24.1	24.2	273.8
378	378_{d}	0.5	0.75	0.0	0.75	0.75	0.375	109	0.512	0.75	0.0	69.4	−20.7	57.4	61.0	109.8
379	379_{d}	0.5	0.75	0.125	0.75	0.625	0.437	113	0.51	0.75	0.125	67.5	−20.3	41.9	46.6	115.8
380	380_{d}	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	65.4	−20.8	27.4	34.4	127.3
381	381_{d}	0.5	0.75	0.375	0.75	0.375	0.562	131	0.493	0.75	0.375	65.8	−19.5	16.7	25.7	139.4
382	382_{d}	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	67.4	−16.9	7.7	18.5	155.5
383	383_{d}	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	67.6	−12.8	−2.2	13.0	189.8
384	384_{d}	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	67.1	−7.5	−10.7	13.1	235.1
385	385_{d}	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.756	0.875	70.2	−8.7	−18.2	20.2	244.5
386	386_{d}	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.75	1.0	70.9	−6.6	−24.7	25.5	254.9
387	387_{d}	0.5	0.875	0.0	0.875	0.875	0.437	115	0.51	0.875	0.0	70.3	−31.0	55.7	63.8	119.1
388	388_{d}	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	68.2	−31.3	41.1	51.6	127.3
389	389_{d}	0.5	0.875	0.25	0.875	0.625	0.562	127	0.489	0.875	0.25	68.7	−29.5	30.3	42.3	134.2
390	390_{d}	0.5	0.875	0.375	0.875	0.5	0.625	136	0.491	0.875	0.375	68.9	−28.9	19.8	35.1	145.5
391	391_{d}	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	71.2	−25.3	11.5	27.8	155.5
392	392_{d}	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.618	71.2	−22.5	2.1	22.6	174.6
393	393_{d}	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.756	71.6	−15.8	−8.8	18.0	209.1
394	394_{d}	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	70.8	−11.2	−16.1	19.6	235.1
395	395_{d}	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.883	1.0	74.3	−13.1	−23.6	26.9	240.9
396	396_{d}	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
397	397_{d}	0.5	1.0	0.125	1.0	0.875	0.562	125	0.489	1.0	0.125	71.5	−40.0	44.0	59.5	132.2
398	398_{d}	0.5	1.0	0.25	1.0	0.75	0.625	131	0.487	1.0	0.25	71.8	−39.1	33.5	51.5	139.4
399	399_{d}	0.5	1.0	0.375	1.0	0.625	0.687	139	0.489	1.0	0.375	72.6	−37.4	23.3	44.1	148.1
400	400_{d}	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	75.0	−33.8	15.4	37.1	155.5
401	401_{d}	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.616	74.8	−31.8	7.0	32.6	167.4
402	402_{d}	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.75	75.4	−25.7	−4.4	26.1	189.8
403	403_{d}	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.883	75.4	−19.6	−13.9	24.0	215.4
404	404_{d}	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	74.4	−15.0	−21.5	26.2	235.1

n	*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
324	0.5	0.0	0.0	33.0	34.7	23.4	41.8	34.0	8.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
325	0.5	0.0	0.125	35.0	33.1	15.9	36.8	25.6	5.4	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
326	0.5	0.0	0.25	34.5	35.7	4.5	36.0	7.2	6.4	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
327	0.5	0.0	0.375	34.5	40.0	−4.9	40.3	352.9	8.0	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
328	0.5	0.0	0.5	35.4	43.7	−12.1	45.3	344.4	12.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
329	0.5	0.0	0.625	36.0	44.3	−17.4	47.6	338.4	9.7	320	0.816	0.0	1.0	43.9	57.8	−19.3	61.0	341.5
330	0.5	0.0	0.75	36.1	42.9	−25.1	49.7	329.7	7.8	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
331	0.5	0.0	0.875	36.8	43.9	−29.1	52.7	326.4	5.1	305	0.583	0.0	1.0	38.4	46.7	−28.5	54.7	328.5
332	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	0.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
333	0.5	0.125	0.0	37.8	21.9	30.7	37.7	54.4	4.4	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
334	0.5	0.125	0.125	40.9	20.9	22.3	30.6	46.9	8.2	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
335	0.5	0.125	0.25	40.4	24.2	10.5	26.4	23.4	3.7	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
336	0.5	0.125	0.375	40.9	29.5	−2.3	29.6	355.4	6.1	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
337	0.5	0.125	0.5	41.4	34.0	−11.7	35.9	340.9	11.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
338	0.5	0.125	0.625	41.7	36.1	−16.8	39.8	334.9	10.3	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
339	0.5	0.125	0.75	42.1	36.6	−22.8	43.1	328.0	8.6	307	0.616	0.0	1.0	38.9	48.1	−27.5	55.4	330.2
340	0.5	0.125	0.875	39.4	40.7	−31.1	51.2	322.5	12.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
341	0.5	0.125	1.0	38.1	38.1	−33.2	50.5	318.9	6.8	294	0.416	0.0	1.0	35.2	39.9	−33.7	52.2	319.8
342	0.5	0.25	0.0	42.9	9.5	37.9	39.1	75.8	6.3	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
343	0.5	0.25	0.125	47.7	9.2	27.3	28.8	71.3	6.8	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
344	0.5	0.25	0.25	47.3	12.4	14.0	18.8	48.4	4.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
345	0.5	0.25	0.375	47.4	17.7	0.5	17.7	1.7	3.6	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
346	0.5	0.25	0.5	48.2	22.5	−10.7	24.9	334.5	9.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
347	0.5	0.25	0.625	47.0	26.3	−16.8	31.2	327.4	10.3	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
348	0.5	0.25	0.75	47.2	25.4	−23.0	34.2	317.8	8.5	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
349	0.5	0.25	0.875	44.2	30.7	−32.3	44.6	313.5	13.2	292	0.383	0.0	1.0	34.4	38.5	−34.7	51.9	317.9
350	0.5	0.25	1.0	41.5	30.8	−33.9	45.9	312.2	10.3	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
351	0.5	0.375	0.0	49.5	−1.5	44.7	44.8	92.0	7.5	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
352	0.5	0.375	0.125	55.2	−1.8	35.0	35.0	93.0	8.4	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
353	0.5	0.375	0.25	55.5	1.1	20.0	20.0	86.5	5.3	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
354	0.5	0.375	0.375	55.3	6.0	4.5	7.5	37.0	1.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
355	0.5	0.375	0.5	55.1	10.6	−8.5	13.6	321.0	7.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
356	0.5	0.375	0.625	53.7	15.0	−15.6	21.7	313.8	9.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
357	0.5	0.375	0.75	52.8	15.2	−22.5	27.2	304.0	8.9	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
358	0.5	0.375	0.875	51.3	19.7	−31.2	36.9	302.2	12.7	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
359	0.5	0.375	1.0	48.9	19.7	−33.2	38.6	300.6	10.4	279	0.183	0.0	1.0	31.3	26.8	−41.0	49.0	303.2
360	0.5	0.5	0.0	58.4	−9.8	54.3	55.2	100.3	12.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
361	0.5	0.5	0.125	63.3	−10.2	43.2	44.4	103.3	13.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
362	0.5	0.5	0.25	63.4	−8.3	26.8	28.1	107.2	8.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
363	0.5	0.5	0.375	62.4	−4.5	10.1	11.1	114.2	4.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
364	0.5	0.5	0.5	61.2	0.0	−1.2	1.2	268.4	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
365	0.5	0.5	0.625	60.7	2.8	−14.6	14.9	280.9	9.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
366	0.5	0.5	0.75	59.3	5.1	−20.9	21.5	283.9	10.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
367	0.5	0.5	0.875	58.7	9.0	−29.2	30.6	287.1	13.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
368	0.5	0.5	1.0	54.8	11.5	−32.2	34.2	289.7	14.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
369	0.5	0.625	0.0	62.4	−14.6	58.2	60.1	104.1	5.5	99	0.816	1.0	0.0	91.5	−19.6	87.8	90.0	102.6
370	0.5	0.625	0.125	66.6	−15.4	47.2	49.7	108.1	6.4	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
371	0.5	0.625	0.25	66.7	−14.9	30.6	34.1	116.0	5.4	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
372	0.5	0.625	0.375	67.2	−12.6	14.5	19.3	131.0	5.1	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
373	0.5	0.625	0.5	68.1	−10.3	1.1	10.3	173.6	5.5	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
374	0.5	0.625	0.625	67.6	−7.6	−13.2	15.3	240.0	9.7	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
375	0.5	0.625	0.75	66.4	−4.0	−18.8	19.2	257.9	6.6	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
376	0.5	0.625	0.875	65.0	−2.1	−26.5	26.6	265.4	8.2	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
377	0.5	0.625	1.0	61.1	1.9	−31.0	31.1	273.5	8.5	257	0.0	0.233	1.0	36.6	3.2	−48.3	48.4	273.8
378	0.5	0.75	0.0	68.3	−23.0	59.6	63.9	111.1	3.4	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
379	0.5	0.75	0.125	71.0	−23.7	51.2	56.4	114.8	10.4	112	0.616	1.0	0.0	79.3	−32.5	67.1	74.6	115.8
380	0.5	0.75	0.25	70.5	−23.0	31.5	39.0	126.1	6.9	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
381	0.5	0.75	0.375	70.5	−21.9	16.7	27.5	142.6	5.2	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
382	0.5	0.75	0.5	71.5	−17.7	5.1	18.4	163.7	4.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
383	0.5	0.75	0.625	71.7	−14.2	−8.4	16.5	210.8	7.6	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
384	0.5	0.75	0.75	71.8	−13.8	−19.5	23.9	234.6	11.8	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
385	0.5	0.75	0.875	71.1	−12.0	−24.9	27.6	244.2	7.5	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
386	0.5	0.75	1.0	67.8	−8.8	−30.1	31.4	253.6	6.6	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
387	0.5	0.875	0.0	72.6	−31.6	60.6	68.4	117.5	5.3	114	0.583	1.0	0.0	76.9	−35.5	63.7	72.9	119.1
388	0.5	0.875	0.125	73.5	−32.7	52.2	61.7	122.0	12.4	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
389	0.5	0.875	0.25	72.6	−31.8	30.2	43.8	136.4	4.5	127	0.383	1.0	0.0	66.8	−47.2	48.5	67.7	134.2
390	0.5	0.875	0.375	72.3	−31.3	18.4	36.3	149.5	4.3	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
391	0.5	0.875	0.5	73.6	−28.3	8.6	29.5	163.0	4.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
392	0.5	0.875	0.625	74.8	−24.7	−0.8	24.7	181.9	5.1	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
393	0.5	0.875	0.75	74.3	−20.6	−15.5	25.8	217.0	8.7	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
394	0.5	0.875	0.875	74.6	−17.1	−25.0	30.3	235.6	11.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
395	0.5	0.875	1.0	72.3	−14.9	−28.6	32.3	242.4	5.7	222	0.0	0.766	1.0	52.9	−26.2	−47.2	53.9	240.9
396	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.0	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
397	0.5	1.0	0.125	71.6	−40.9	49.7	64.4	129.4	5.7	125	0.416	1.0	0.0	68.0	−45.7	50.3	68.0	132.2
398	0.5	1.0	0.25	71.0	−39.5	34.9	52.7	138.5	1.6	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
399	0.5	1.0	0.375	72.8	−34.1	19.5	39.4	150.1	4.9	140	0.183	1.0	0.0	58.7	−59.9	37.3	70.6	148.1
400	0.5	1.0	0.5	74.1	−30.5	11.7	32.6	158.9	5.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
401	0.5	1.0	0.625	74.3	−28.1	3.1	28.3	173.6	5.4	162	0.0	1.0	0.233	53.7	−63.6	14.1	65.2	167.4
402	0.5	1.0	0.75	74.5	−23.4	−10.6	25.7	204.5	6.7	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
403	0.5	1.0	0.875	73.9	−20.3	−19.9	28.5	224.5	6.2	197	0.0	1.0	0.766	55.1	−39.2	−27.9	48.1	215.4
404	0.5	1.0	1.0	73.7	−17.1	−27.4	32.3	238.0	6.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = *7.3***

2−0031230−F0 PS490−7N, 13/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$				
405	405_d	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	38.6	35.7	23.6	42.8	33.4
406	406_d	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.114	38.7	35.1	19.4	40.1	28.9
407	407_d	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.239	38.5	35.6	11.8	37.5	18.3
408	408_d	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.385	38.9	38.5	1.6	38.5	2.5
409	409_d	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.51	39.8	40.9	−5.4	41.2	352.3
410	410_d	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	39.0	40.8	−7.9	41.6	348.9
411	411_d	0.625	0.0	0.75	0.75	0.75	0.375	321	0.637	0.0	0.75	39.6	44.3	−13.6	46.4	342.9
412	412_d	0.625	0.0	0.875	0.875	0.875	0.437	314	0.641	0.0	0.875	39.3	47.5	−19.5	51.3	337.6
413	413_d	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	39.2	48.9	−26.9	55.8	331.1
414	414_d	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.114	0.0	43.2	30.3	32.7	44.6	47.1
415	415_d	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	44.7	28.6	18.9	34.3	33.4
416	416_d	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.241	44.7	28.0	14.2	31.4	26.9
417	417_d	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.375	44.8	29.4	5.2	29.9	10.0
418	418_d	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.508	45.6	32.3	−3.5	32.5	353.7
419	419_d	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	45.0	32.7	−6.3	33.3	348.9
420	420_d	0.625	0.125	0.75	0.75	0.625	0.437	319	0.635	0.125	0.75	45.3	36.1	−12.0	38.1	341.5
421	421_d	0.625	0.125	0.875	0.875	0.75	0.5	311	0.637	0.125	0.875	45.2	38.7	−18.5	42.9	334.4
422	422_d	0.625	0.125	1.0	1.0	0.875	0.562	305	0.635	0.125	1.0	45.6	40.8	−24.9	47.9	328.5
423	423_d	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.239	0.0	49.5	18.2	38.0	42.1	64.4
424	424_d	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.241	0.125	49.6	21.7	27.2	34.8	51.4
425	425_d	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	50.7	21.4	14.1	25.7	33.4
426	426_d	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.368	50.7	21.2	8.7	22.9	22.3
427	427_d	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.506	51.1	23.7	−0.6	23.7	358.3
428	428_d	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	50.9	24.5	−4.7	24.9	348.9
429	429_d	0.625	0.25	0.75	0.75	0.5	0.5	316	0.633	0.25	0.75	51.1	27.9	−10.4	29.8	339.4
430	430_d	0.625	0.25	0.875	0.875	0.625	0.562	307	0.635	0.25	0.875	51.3	30.0	−17.2	34.6	330.2
431	431_d	0.625	0.25	1.0	1.0	0.75	0.625	300	0.625	0.25	1.0	51.8	32.3	−23.1	39.8	324.4
432	432_d	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.385	0.0	55.5	7.5	44.0	44.6	80.3
433	433_d	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.375	0.125	56.1	9.6	33.1	34.5	73.8
434	434_d	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.368	0.25	56.0	13.3	21.8	25.5	58.6
435	435_d	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	56.7	14.3	9.4	17.1	33.4
436	436_d	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.5	56.8	14.7	2.6	14.9	10.0
437	437_d	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	56.9	16.3	−3.1	16.6	348.9
438	438_d	0.625	0.375	0.75	0.75	0.375	0.562	311	0.631	0.375	0.75	57.0	19.3	−9.2	21.4	334.4
439	439_d	0.625	0.375	0.875	0.875	0.5	0.625	300	0.625	0.375	0.875	57.5	21.5	−15.4	26.5	324.4
440	440_d	0.625	0.375	1.0	1.0	0.625	0.687	293	0.614	0.375	1.0	57.4	24.1	−21.7	32.4	317.9
441	441_d	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.51	0.0	62.3	−3.6	47.7	47.9	94.3
442	442_d	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.508	0.125	62.7	−1.4	38.4	38.4	92.2
443	443_d	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.506	0.25	62.4	2.0	27.7	27.8	85.7
444	444_d	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.5	0.375	62.5	4.8	16.5	17.2	73.8
445	445_d	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	62.8	7.1	4.7	8.5	33.4
446	446_d	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	62.8	8.1	−1.5	8.3	348.9
447	447_d	0.625	0.5	0.75	0.75	0.25	0.625	300	0.625	0.5	0.75	63.1	10.7	−7.7	13.2	324.4
448	448_d	0.625	0.5	0.875	0.875	0.375	0.687	289	0.618	0.5	0.875	63.1	13.0	−13.9	19.1	312.9
449	449_d	0.625	0.5	1.0	1.0	0.5	0.75	284	0.616	0.5	1.0	63.4	14.8	−19.9	24.8	306.6
450	450_d	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	66.1	−9.9	52.9	53.8	100.5
451	451_d	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	66.7	−7.9	42.3	43.0	100.5
452	452_d	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	67.2	−5.9	31.7	32.3	100.5
453	453_d	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	67.7	−3.9	21.1	21.5	100.5
454	454_d	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	68.3	−1.9	10.5	10.7	100.5
455	455_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0
456	456_d	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	69.9	2.1	−5.5	5.9	290.8
457	457_d	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	71.0	4.2	−11.1	11.9	290.8
458	458_d	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	72.1	6.3	−16.7	17.8	290.8
459	459_d	0.625	0.75	0.0	0.75	0.75	0.375	99	0.637	0.75	0.0	75.1	−14.1	66.5	68.0	101.9
460	460_d	0.625	0.75	0.125	0.75	0.625	0.437	101	0.635	0.75	0.125	75.1	−12.3	54.9	56.2	102.6
461	461_d	0.625	0.75	0.25	0.75	0.5	0.5	104	0.633	0.75	0.25	75.1	−10.4	43.2	44.5	103.6
462	462_d	0.625	0.75	0.375	0.75	0.375	0.562	109	0.631	0.75	0.375	73.6	−10.3	28.7	30.5	109.8
463	463_d	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	71.6	−10.4	13.7	17.2	127.3
464	464_d	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	72.6	−8.4	3.8	9.2	155.5
465	465_d	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	72.5	−3.7	−5.3	6.5	235.1
466	466_d	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.75	0.875	74.4	−3.3	−12.3	12.7	254.9
467	467_d	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.743	1.0	74.6	−0.8	−18.4	18.4	267.3
468	468_d	0.625	0.875	0.0	0.875	0.875	0.437	106	0.641	0.875	0.0	80.6	−20.2	73.2	75.9	105.4
469	469_d	0.625	0.875	0.125	0.875	0.75	0.5	109	0.637	0.875	0.125	78.4	−20.7	57.4	61.0	109.8
470	470_d	0.625	0.875	0.25	0.875	0.625	0.562	113	0.635	0.875	0.25	76.5	−20.3	41.9	46.6	115.8
471	471_d	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	74.4	−20.8	27.4	34.4	127.3
472	472_d	0.625	0.875	0.5	0.875	0.375	0.687	131	0.618	0.875	0.5	74.8	−19.5	16.7	25.7	139.4
473	473_d	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	76.4	−16.9	7.7	18.5	155.5
474	474_d	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	76.6	−12.8	−2.2	13.0	189.8
475	475_d	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	76.1	−7.5	−10.7	13.1	235.1
476	476_d	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.881	1.0	79.2	−8.7	−18.2	20.2	244.5
477	477_d	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	80.5	−31.2	69.2	75.9	114.2
478	478_d	0.625	1.0	0.125	1.0	0.875	0.562	115	0.635	1.0	0.125	79.2	−31.0	55.7	63.8	119.1
479	479_d	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	77.1	−31.3	41.1	51.6	127.3
480	480_d	0.625	1.0	0.375	1.0	0.625	0.687	127	0.614	1.0	0.375	77.7	−29.5	30.3	42.3	134.2
481	481_d	0.625	1.0	0.5	1.0	0.5	0.75	136	0.616	1.0	0.5	77.9	−28.9	19.8	35.1	145.5
482	482_d	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	80.2	−25.3	11.5	27.8	155.5
483	483_d	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.743	80.2	−22.5	2.1	22.6	174.6
484	484_d	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.881	80.6	−15.8	−8.8	18.0	209.1
485	485_d	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	79.8	−11.2	−16.1	19.6	235.1

n	*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
405	0.625	0.0	0.0	36.3	40.2	26.2	48.0	33.1	5.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
406	0.625	0.0	0.125	37.1	40.1	21.9	45.7	28.6	5.8	380	1.0	0.0	0.183	47.6	56.2	31.1	64.2	28.9
407	0.625	0.0	0.25	36.4	41.6	12.6	43.4	16.8	6.3	367	1.0	0.0	0.383	47.4	57.0	18.9	60.0	18.3
408	0.625	0.0	0.375	36.9	45.2	0.9	45.2	1.1	6.9	352	1.0	0.0	0.616	47.9	61.6	2.7	61.7	2.5
409	0.625	0.0	0.5	37.2	49.0	−7.9	49.6	350.7	8.8	339	1.0	0.0	0.816	49.4	65.4	−8.7	66.0	352.3
410	0.625	0.0	0.625	37.9	49.8	−14.9	52.0	343.3	11.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
411	0.625	0.0	0.75	38.9	50.3	−20.0	54.1	338.3	8.7	322	0.85	0.0	1.0	44.9	59.1	−18.2	61.9	342.9
412	0.625	0.0	0.875	39.3	49.4	−24.6	55.2	333.4	5.4	315	0.733	0.0	1.0	41.5	54.3	−22.3	58.7	337.6
413	0.625	0.0	1.0	39.1	48.4	−27.2	55.6	330.6	0.6	308	0.633	0.0	1.0	39.2	48.9	−26.9	55.8	331.1
414	0.625	0.125	0.0	40.3	31.8	34.0	46.6	46.8	3.5	39	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47.1
415	0.625	0.125	0.125	44.2	28.5	28.7	40.5	45.1	9.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
416	0.625	0.125	0.25	43.5	29.7	15.8	33.7	28.0	2.6	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
417	0.625	0.125	0.375	43.7	33.1	4.7	33.5	8.0	3.8	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
418	0.625	0.125	0.5	43.8	38.9	−5.6	39.3	351.7	7.1	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
419	0.625	0.125	0.625	44.4	41.4	−12.9	43.4	342.7	10.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
420	0.625	0.125	0.75	44.8	43.5	−17.8	47.0	337.7	9.3	320	0.816	0.0	1.0	43.9	57.8	−19.3	61.0	341.5
421	0.625	0.125	0.875	44.1	46.8	−24.2	52.7	332.6	9.9	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
422	0.625	0.125	1.0	41.0	43.2	−29.0	52.0	326.1	6.5	305	0.583	0.0	1.0	38.4	46.7	−28.5	54.7	328.5
423	0.625	0.25	0.0	45.9	19.0	40.0	44.3	64.5	4.2	52	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64.4
424	0.625	0.25	0.125	50.5	16.9	33.1	37.2	62.8	7.5	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
425	0.625	0.25	0.25	50.5	18.8	20.3	27.7	47.2	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
426	0.625	0.25	0.375	50.6	22.5	8.2	24.0	19.9	1.4	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
427	0.625	0.25	0.5	51.8	27.5	−4.1	27.8	351.4	5.2	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
428	0.625	0.25	0.625	52.0	30.3	−11.7	32.5	338.7	9.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
429	0.625	0.25	0.75	52.3	31.0	−15.4	34.7	333.4	6.0	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
430	0.625	0.25	0.875	50.3	37.1	−24.3	44.3	326.7	10.0	307	0.616	0.0	1.0	38.9	48.1	−27.5	55.4	330.2
431	0.625	0.25	1.0	45.0	36.4	−29.0	46.6	321.4	9.9	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
432	0.625	0.375	0.0	51.0	6.3	45.7	46.2	82.0	4.9	67	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80.3
433	0.625	0.375	0.125	57.4	6.1	39.1	39.6	81.0	7.0	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
434	0.625	0.375	0.25	57.6	8.9	25.0	26.5	70.2	5.6	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
435	0.625	0.375	0.375	58.1	11.8	11.2	16.3	43.4	3.3	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
436	0.625	0.375	0.5	59.0	15.5	−0.3	15.5	358.8	3.7	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
437	0.625	0.375	0.625	59.5	19.7	−8.9	21.7	335.6	7.2	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
438	0.625	0.375	0.75	58.0	21.5	−14.7	26.1	325.7	5.9	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
439	0.625	0.375	0.875	56.8	27.0	−23.8	36.0	318.5	10.0	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
440	0.625	0.375	1.0	51.8	26.1	−28.3	38.6	312.6	8.9	292	0.383	0.0	1.0	34.4	38.5	−34.7	51.9	317.9
441	0.625	0.5	0.0	60.5	−3.4	56.6	56.7	93.4	9.0	80	1.0	0.816	0.0	85.4	−5.8	76.4	76.6	94.3
442	0.625	0.5	0.125	64.8	−4.4	49.8	50.0	95.0	11.9	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
443	0.625	0.5	0.25	66.0	−2.3	33.6	33.7	94.0	8.2	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
444	0.625	0.5	0.375	65.6	1.4	17.9	17.9	85.5	4.8	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
445	0.625	0.5	0.5	65.7	5.9	3.3	6.8	29.2	3.4	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
446	0.625	0.5	0.625	66.0	10.0	−6.8	12.1	325.7	6.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
447	0.625	0.5	0.75	64.0	12.6	−14.1	18.9	311.9	6.7	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
448	0.625	0.5	0.875	63.7	17.1	−22.5	28.3	307.1	9.5	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
449	0.625	0.5	1.0	58.6	17.0	−26.9	31.9	302.3	8.8	282	0.233	0.0	1.0	31.1	29.6	−39.8	49.6	306.6
450	0.625	0.625	0.0	69.0	−11.6	64.7	65.7	100.2	12.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
451	0.625	0.625	0.125	72.2	−11.5	57.1	58.2	101.4	16.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
452	0.625	0.625	0.25	73.6	−10.3	39.6	40.9	104.5	11.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
453	0.625	0.625	0.375	73.4	−7.2	24.6	25.7	106.2	7.4	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
454	0.625	0.625	0.5	73.6	−3.7	7.8	8.7	115.5	6.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
455	0.625	0.625	0.625	72.6	0.0	−1.0	1.0	269.8	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
456	0.625	0.625	0.75	71.3	2.6	−12.5	12.8	281.7	7.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
457	0.625	0.625	0.875	70.0	4.8	−20.0	20.6	283.6	9.0	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
458	0.625	0.625	1.0	65.8	6.5	−25.3	26.1	284.4	10.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
459	0.625	0.75	0.0	76.9	−16.4	72.1	74.0	102.8	6.3	97	0.85	1.0	0.0	92.2	−18.8	88.7	90.7	101.9
460	0.625	0.75	0.125	77.9	−16.7	61.6	63.9	105.1	8.5	99	0.816	1.0	0.0	91.5	−19.6	87.8	90.0	102.6
461	0.625	0.75	0.25	78.2	−15.5	44.3	46.9	109.2	5.9	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
462	0.625	0.75	0.375	77.8	−14.2	29.5	32.8	115.8	5.7	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
463	0.625	0.75	0.5	77.7	−12.0	15.9	19.9	126.9	6.7	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
464	0.625	0.75	0.625	77.9	−9.9	1.7	10.0	169.7	5.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
465	0.625	0.75	0.75	78.0	−6.9	−10.4	12.5	236.2	8.2	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
466	0.625	0.75	0.875	75.9	−4.2	−17.9	18.4	256.7	5.8	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
467	0.625	0.75	1.0	71.6	−4.4	−25.0	25.4	259.8	8.0	251	0.0	0.316	1.0	39.3	−2.3	−49.1	49.1	267.3
468	0.625	0.875	0.0	81.1	−22.3	74.3	77.5	106.7	2.4	104	0.733	1.0	0.0	88.7	−23.1	83.7	86.8	105.4
469	0.625	0.875	0.125	80.8	−22.7	66.0	69.9	109.0	9.2	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
470	0.625	0.875	0.25	80.4	−21.1	43.8	48.6	115.7	4.4	112	0.616	1.0	0.0	79.3	−32.5	67.1	74.6	115.8
471	0.625	0.875	0.375	80.0	−21.4	31.6	38.1	124.1	7.0	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
472	0.625	0.875	0.5	80.2	−20.3	18.6	27.6	137.6	5.8	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
473	0.625	0.875	0.625	82.0	−16.8	8.8	19.0	152.2	5.6	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
474	0.625	0.875	0.75	81.6	−14.3	−5.4	15.3	200.6	6.1	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
475	0.625	0.875	0.875	81.5	−12.0	−17.9	21.6	236.0	10.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
476	0.625	0.875	1.0	78.2	−11.8	−22.1	25.0	241.8	5.0	228	0.0	0.683	1.0	51.6	−23.2	−48.6	53.9	244.5
477	0.625	1.0	0.0	79.9	−31.7	67.9	75.0	115.0	1.4	111	0.633	1.0	0.0	80.5	−31.2	69.2	75.9	114.2
478	0.625	1.0	0.125	82.0	−29.5	65.0	71.4	114.4	9.7	114	0.583	1.0	0.0	76.9	−35.5	63.7	72.9	119.1
479	0.625	1.0	0.25	79.5	−31.2	50.7	59.6	121.6	9.9	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
480	0.625	1.0	0.375	77.8	−30.6	32.6	44.7	133.1	2.6	127	0.383	1.0	0.0	66.8	−47.2	48.5	67.7	134.2
481	0.625	1.0	0.5	79.6	−26.0	19.7	32.6	142.9	3.3	137	0.233	1.0	0.0	60.1	−57.9	39.6	70.2	145.5
482	0.625	1.0	0.625	81.7	−21.5	10.6	24.0	153.7	4.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
483	0.625	1.0	0.75	82.0	−18.1	0.0	18.1	179.9	5.1	168	0.0	1.0	0.316	54.3	−60.1	5.6	60.3	174.6
484	0.625	1.0	0.875	80.6	−15.2	−13.3	20.3	221.2	4.6	191	0.0	1.0	0.683	55.2	−42.1	−23.4	48.2	209.1
485	0.625	1.0	1.0	79.2	−13.6	−21.2	25.2	237.2	5.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = *6.8***

2−0031330−F0

PS490−7N, 14/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

n	HIC*Fd	*rgb*_Fd			*ict*_Fd			$h_{si\_F,d}$	*rgb**Fd			*LabCh**Fd					*rgb**'Fd			*LabCh**'Fd					*DE**'Fd	$h_{siM,d}$	*rgb**Md			*LabCh**Md				
486	486d	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	41.6	42.9	28.3	51.4	33.4	0.75	0.0	0.0	39.7	47.0	29.4	55.5	32.0	4.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
487	487d	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.112	41.7	42.2	24.6	48.9	30.3	0.75	0.0	0.125	39.0	46.5	23.4	52.0	26.7	5.1	382	1.0	0.0	0.15	47.6	56.3	32.9	65.2	30.3
488	488d	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.237	41.5	42.4	17.4	45.8	22.3	0.75	0.0	0.25	39.4	47.0	16.3	49.8	19.1	5.2	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
489	489d	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.375	41.8	44.2	7.8	44.9	10.0	0.75	0.0	0.375	39.3	48.8	6.0	49.2	7.1	5.5	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
490	490d	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.512	42.4	47.4	−1.3	47.4	358.3	0.75	0.0	0.5	39.5	52.9	−4.1	53.1	355.4	6.8	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
491	491d	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.637	43.0	49.4	−7.4	49.9	351.4	0.75	0.0	0.625	39.9	55.3	−11.1	56.4	348.6	7.7	337	1.0	0.0	0.85	49.4	65.8	−9.9	66.6	351.4
492	492d	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	42.1	49.0	−9.5	49.9	348.9	0.75	0.0	0.75	41.1	54.2	−16.4	56.6	343.1	8.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
493	493d	0.75	0.0	0.875	0.875	0.875	0.437	322	0.758	0.0	0.875	42.7	52.3	−15.4	54.5	343.5	0.75	0.0	0.875	42.0	54.2	−21.0	58.1	338.8	5.9	322	0.866	0.0	1.0	45.4	59.8	−17.6	62.3	343.5
494	494d	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4	0.75	0.0	1.0	41.8	55.1	−21.4	59.1	338.7	0.9	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
495	495d	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.112	0.0	45.8	38.8	37.9	54.3	44.3	0.75	0.125	0.0	44.9	42.3	40.8	58.8	43.9	4.6	37	1.0	0.15	0.0	53.2	51.8	50.6	72.4	44.3
496	496d	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	47.6	35.7	23.6	42.8	33.4	0.75	0.125	0.125	45.5	36.3	31.1	47.8	40.6	7.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
497	497d	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.239	47.7	35.1	19.4	40.1	28.9	0.75	0.125	0.25	45.6	37.0	22.6	43.3	31.4	4.2	380	1.0	0.0	0.183	47.6	56.2	31.1	64.2	28.9
498	498d	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.364	47.5	35.6	11.8	37.5	18.3	0.75	0.125	0.375	45.0	38.4	14.5	41.1	20.7	4.7	367	1.0	0.0	0.383	47.4	57.0	18.9	60.0	18.3
499	499d	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.51	47.9	38.5	1.6	38.5	2.5	0.75	0.125	0.5	45.2	42.6	3.5	42.7	4.7	5.2	352	1.0	0.0	0.616	47.9	61.6	2.7	61.7	2.5
500	500d	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.635	48.8	40.9	−5.4	41.2	352.3	0.75	0.125	0.625	45.8	46.9	−5.5	47.2	353.2	6.7	339	1.0	0.0	0.816	49.4	65.4	−8.7	66.0	352.3
501	501d	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	48.0	40.8	−7.9	41.6	348.9	0.75	0.125	0.75	46.6	48.7	−13.3	50.5	344.6	9.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
502	502d	0.75	0.125	0.875	0.875	0.75	0.5	321	0.762	0.125	0.875	48.6	44.3	−13.6	46.4	342.9	0.75	0.125	0.875	47.1	50.2	−17.9	53.3	340.2	7.4	322	0.85	0.0	1.0	44.9	59.1	−18.2	61.9	342.9
503	503d	0.75	0.125	1.0	1.0	0.875	0.562	314	0.766	0.125	1.0	48.3	47.5	−19.5	51.3	337.6	0.75	0.125	1.0	45.0	50.7	−22.1	55.3	336.3	5.2	315	0.733	0.0	1.0	41.5	54.3	−22.3	58.7	337.6
504	504d	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.237	0.0	52.2	26.6	43.7	51.1	58.6	0.75	0.25	0.0	52.2	26.4	47.8	54.6	61.1	4.1	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
505	505d	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.239	0.125	52.2	30.3	32.7	44.6	47.1	0.75	0.25	0.125	52.1	26.6	36.8	45.4	54.0	5.4	39	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47.1
506	506d	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	53.7	28.6	18.9	34.3	33.4	0.75	0.25	0.25	52.4	27.1	25.3	37.1	43.0	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
507	507d	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.366	53.7	28.0	14.2	31.4	26.9	0.75	0.25	0.375	52.3	29.3	16.1	33.5	28.8	2.7	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
508	508d	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.5	53.8	29.4	5.2	29.9	10.0	0.75	0.25	0.5	53.2	30.6	5.9	31.2	10.9	1.4	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
509	509d	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.633	54.5	32.3	−3.5	32.5	353.7	0.75	0.25	0.625	53.9	34.9	−4.4	35.2	352.6	2.7	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
510	510d	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	54.0	32.7	−6.3	33.3	348.9	0.75	0.25	0.75	53.9	38.1	−12.4	40.1	341.9	8.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
511	511d	0.75	0.25	0.875	0.875	0.625	0.562	319	0.76	0.25	0.875	54.3	36.1	−12.0	38.1	341.5	0.75	0.25	0.875	54.3	40.1	−17.3	43.7	336.6	6.5	320	0.816	0.0	1.0	43.9	57.8	−19.3	61.0	341.5
512	512d	0.75	0.25	1.0	1.0	0.75	0.625	311	0.762	0.25	1.0	54.2	38.7	−18.5	42.9	334.4	0.75	0.25	1.0	50.3	42.9	−22.8	48.6	332.0	7.1	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
513	513d	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.375	0.0	58.8	14.4	49.7	51.7	73.8	0.75	0.375	0.0	57.7	15.3	53.6	55.7	74.0	4.1	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
514	514d	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.364	0.125	58.5	18.2	38.0	42.1	64.4	0.75	0.375	0.125	57.9	16.7	44.5	47.5	69.3	6.6	52	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64.4
515	515d	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.366	0.25	58.6	21.7	27.2	34.8	51.4	0.75	0.375	0.25	58.5	17.2	29.7	34.3	59.9	5.1	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
516	516d	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	59.7	21.4	14.1	25.7	33.4	0.75	0.375	0.375	59.1	18.5	19.5	26.9	46.3	6.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
517	517d	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.493	59.7	21.2	8.7	22.9	22.3	0.75	0.375	0.5	60.1	19.9	9.2	21.9	24.9	1.4	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
518	518d	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.631	60.1	23.7	−0.6	23.7	358.3	0.75	0.375	0.625	60.2	24.2	−2.3	24.3	354.5	1.7	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
519	519d	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	59.9	24.5	−4.7	24.9	348.9	0.75	0.375	0.75	60.1	28.2	−10.2	30.0	339.9	6.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
520	520d	0.75	0.375	0.875	0.875	0.5	0.625	316	0.758	0.375	0.875	60.1	27.9	−10.4	29.8	339.4	0.75	0.375	0.875	60.4	31.7	−15.9	35.5	333.4	6.6	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
521	521d	0.75	0.375	1.0	1.0	0.625	0.687	307	0.76	0.375	1.0	60.3	30.0	−17.2	34.6	330.2	0.75	0.375	1.0	55.2	36.2	−21.7	42.2	329.0	9.1	307	0.616	0.0	1.0	38.9	48.1	−27.5	55.4	330.2
522	522d	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.512	0.0	64.9	4.0	55.4	55.6	85.7	0.75	0.5	0.0	64.3	4.5	59.9	60.1	85.6	4.5	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
523	523d	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.51	0.125	64.5	7.5	44.0	44.6	80.3	0.75	0.5	0.125	65.5	5.4	54.3	54.6	84.2	10.5	67	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80.3
524	524d	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	65.1	9.6	33.1	34.5	73.8	0.75	0.5	0.25	66.1	6.5	36.1	36.6	79.7	4.3	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
525	525d	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.493	0.375	65.0	13.3	21.8	25.5	58.6	0.75	0.5	0.375	65.9	8.9	24.5	26.0	70.0	5.2	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
526	526d	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	65.7	14.3	9.4	17.1	33.4	0.75	0.5	0.5	67.2	10.6	12.7	16.5	50.1	5.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
527	527d	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.625	65.8	14.7	2.6	14.9	10.0	0.75	0.5	0.625	66.8	15.1	1.2	15.1	4.5	1.7	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
528	528d	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	65.9	16.3	−3.1	16.6	348.9	0.75	0.5	0.75	67.6	18.9	−8.5	20.7	335.7	6.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
529	529d	0.75	0.5	0.875	0.875	0.375	0.687	311	0.756	0.5	0.875	66.0	19.3	−9.2	21.4	334.4	0.75	0.5	0.875	67.3	22.2	−14.9	26.7	326.1	6.4	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
530	530d	0.75	0.5	1.0	1.0	0.5	0.75	300	0.75	0.5	1.0	66.5	21.5	−15.4	26.5	324.4	0.75	0.5	1.0	63.6	27.1	−18.8	33.0	325.2	7.1	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
531	531d	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.637	0.0	70.9	−5.7	57.0	57.3	95.7	0.75	0.625	0.0	74.6	−5.8	70.9	71.1	94.7	14.3	81	1.0	0.85	0.0	86.6	−7.6	76.0	76.4	95.7
532	532d	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.635	0.125	71.3	−3.6	47.7	47.9	94.3	0.75	0.625	0.125	74.4	−5.5	62.8	63.0	95.0	15.5	80	1.0	0.816	0.0	85.4	−5.8	76.4	76.6	94.3
533	533d	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.633	0.25	71.7	−1.4	38.4	38.4	92.2	0.75	0.625	0.25	74.9	−4.2	44.3	44.5	95.4	7.2	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
534	534d	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.631	0.375	71.4	2.0	27.7	27.8	85.7	0.75	0.625	0.375	74.3	−1.7	32.4	32.5	93.0	6.7	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
535	535d	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.625	0.5	71.5	4.8	16.5	17.2	73.8	0.75	0.625	0.5	74.4	1.9	18.6	18.7	83.9	4.5	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
536	536d	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	71.8	7.1	4.7	8.5	33.4	0.75	0.625	0.625	74.3	5.7	4.5	7.2	38.4	2.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
537	537d	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	71.8	8.1	−1.5	8.3	348.9	0.75	0.625	0.75	74.6	9.1	−6.0	11.0	326.5	5.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
538	538d	0.75	0.625	0.875	0.875	0.25	0.75	300	0.75	0.625	0.875	72.1	10.7	−7.7	13.2	324.4	0.75	0.625	0.875	74.2	11.9	−13.4	17.9	311.5	6.2	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
539	539d	0.75	0.625	1.0	1.0	0.375	0.812	289	0.743	0.625	1.0	72.1	13.0	−13.9	19.1	312.9	0.75	0.625	1.0	70.8	15.8	−17.3	23.4	312.2	4.5	288	0.316	0.0	1.0	32.7	34.7	−37.2	50.9	312.9
540	540d	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	74.6	−11.8	63.5	64.6	100.5	0.75	0.75	0.0	82.5	−14.5	79.4	80.7	100.3	17.9	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
541	541d	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	75.1	−9.9	52.9	53.8	100.5	0.75	0.75	0.125	80.8	−12.8	69.9	71.1	100.3	18.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
542	542d	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	75.7	−7.9	42.3	43.0	100.5	0.75	0.75	0.25	81.7	−11.5	50.7	52.0	102.8	10.9	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
543	543d	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	76.2	−5.9	31.7	32.3	100.5	0.75	0.75	0.375	81.5	−9.8	39.7	40.9	103.9	10.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
544	544d	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	76.7	−3.9	21.1	21.5	100.5	0.75	0.75	0.5	82.0	−7.4	26.0	27.0	106.0	7.9	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
545	545d	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	77.3	−1.9	10.5	10.7	100.5	0.75	0.75	0.625	81.7	−3.4	10.1	10.7	108.5	4.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
546	546d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.4	0.0	−0.3	0.3	272.2	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
547	547d	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	78.9	2.1	−5.5	5.9	290.8	0.75	0.75	0.875	80.3	0.6	−10.9	10.9	273.3	5.7	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
548	548d	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	80.0	4.2	−11.1	11.9	290.8	0.75	0.75	1.0	79.6	1.5	−15.6	15.7	275.5	5.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
549	549d	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	84.0	−16.0	78.0	79.7	101.6	0.75	0.875	0.0	88.3	−17.0	85.8	87.5	101.2	8.9	97	0.866	1.0	0.0	92.6	−18.3	89.2	91.0	101.6
550	550d	0.75	0.875	0.125	0.875	0.75	0.5	99	0.762	0.875	0.125	84.1	−14.1	66.5	68.0	101.9	0.75	0.875	0.125	86.1	−17.4	77.8	79.8	102.6	11.9	97	0.85	1.0	0.0	92.2	−18.8	88.7	90.7	101.9
551	551d	0.75	0.875	0.25	0.875	0.625	0.562	101	0.76	0.875	0.25	84.1	−12.3	54.9	56.2	102.6	0.75	0.875	0.25	85.5	−15.8	55.1	57.3	106.0	3.7	99	0.816	1.0	0.0	91.5	−19.6	87.8	90.0	102.6
552	552d	0.75	0.875	0.375	0.875	0.5	0.625	104	0.758	0.875	0.375	84.1	−10.4	43.2	44.5	103.6	0.75	0.875	0.375	85.0	−15.6	44.9	47.5	109.1	5.4	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
553	553d	0.75	0.875	0.5	0.875	0.375	0.687	109	0.756	0.875	0.5	82.6	−10.3	28.7	30.5	109.8	0.75	0.875	0.5	85.3	−14.5	32.0	35.2	114.4	6.0	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
554	554d	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	80.6	−10.4	13.7	17.2	127.3	0.75	0.875	0.625	85.2	−11.9	19.1	22.5	122.0	7.2	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
555	555d	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	81.6	−8.4	3.8	9.2	155.5	0.75	0.875	0.75	86.6	−10.0	4.2	10.8	156.9	5.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
556	556d	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.4	−3.7	−5.3	6.5	235.1	0.75	0.875	0.875	86.1	−7.0	−10.1	12.3	235.0	7.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
557	557d	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.875	1.0	83.4	−3.3	−12.3	12.7	254.9	0.75	0.875	1.0	85.2	−7.4	−13.5	15.4	241.1	4.6	240	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9
558	558d	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6	0.75	1.0	0.0	90.1	−21.3	86.0	88.6	103.9	0.7	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
559	559d	0.75	1.0	0.125	1.0	0.875	0.562	106	0.766	1.0	0.125	89.6	−20.2	73.2	75.9	105.4	0.75	1.0	0.125	88.1	−22.6	76.4	79.7	106.4	4.2	104	0.733	1.0	0.0	88.7	−23.1	83.7	86.8	105.4
560	560d	0.75	1.0	0.25	1.0	0.75	0.625	109	0.762	1.0	0.25	87.4	−20.7	57.4	61.0	109.8	0.75	1.0	0.25	87.9	−22.5	61.0	65.0	110.2	4.0	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
561	561d	0.75	1.0	0.375	1.0	0.625	0.687	113	0.76	1.0	0.375	85.5	−20.3	41.9	46.6	115.8	0.75	1.0	0.375	86.7	−23.1	50.9	55.9	114.4	9.4	112	0.616	1.0	0.0	79.3	−32.5	67.1	74.6	115.8
562	562d	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.4	−20.8	27.4	34.4	127.3	0.75	1.0	0.5	86.2	−21.9	37.8	43.7	120.1	10.8	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
563	563d	0.75	1.0	0.625	1.0	0.375	0.812	131	0.743	1.0	0.625	83.8	−19.5	16.7	25.7	139.4	0.75	1.0	0.625	86.4	−18.8	22.4	29.3	130.0	6.2	131	0.316	1.0	0.0	63.8	−52.2	44.7	68.7	139.4
564	564d	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	85.4	−16.9	7.7	18.5	155.5	0.75	1.0	0.75	87.8	−14.8	11.5	18.8	142.1	5.0	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
565	565d	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	85.6	−12.8	−2.2	13.0	189.8	0.75	1.0	0.875	86.9	−11.7	−3.1	12.1	194.8	1.9	180	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8
566	566d	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	85.1	−7.5	−10.7	13.1	235.1	0.75	1.0	1.0	85.2	−9.7	−14.0	17.1	235.4	3.9	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = 6.2**

2−0031430−F0   PS490−7N, 15/22−F

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 16/22

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC^*_{Fd}	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$				
567	567_d	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	44.6	50.0	33.1	60.0	33.4
568	568_d	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.116	44.6	49.3	29.6	57.5	30.9
569	569_d	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.233	44.5	49.0	23.1	54.3	25.2
570	570_d	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.364	44.5	50.5	14.4	52.5	15.9
571	571_d	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.51	44.9	53.3	4.3	53.5	4.6
572	572_d	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.641	45.9	56.2	−4.6	56.4	355.2
573	573_d	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.758	46.3	57.8	−9.1	58.5	350.9
574	574_d	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	45.1	57.2	−11.1	58.3	348.9
575	575_d	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	45.8	60.5	−17.0	62.8	344.2
576	576_d	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.116	0.0	48.8	46.8	43.4	63.8	42.9
577	577_d	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	50.6	42.9	28.3	51.4	33.4
578	578_d	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.237	50.7	42.2	24.6	48.9	30.3
579	579_d	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.362	50.5	42.4	17.4	45.8	22.3
580	580_d	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.5	50.8	44.2	7.8	44.9	10.0
581	581_d	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.637	51.4	47.4	−1.3	47.4	358.3
582	582_d	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.762	52.0	49.4	−7.4	49.9	351.4
583	583_d	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	51.1	49.0	−9.5	49.9	348.9
584	584_d	0.875	0.125	1.0	1.0	0.875	0.562	322	0.883	0.125	1.0	51.7	52.3	−15.4	54.5	343.5
585	585_d	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.233	0.0	54.7	35.2	49.0	60.3	54.2
586	586_d	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.237	0.125	54.8	38.8	37.9	54.3	44.3
587	587_d	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	56.6	35.7	23.6	42.8	33.4
588	588_d	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.364	56.7	35.1	19.4	40.1	28.9
589	589_d	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.489	56.5	35.6	11.8	37.5	18.3
590	590_d	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.635	56.9	38.5	1.6	38.5	2.5
591	591_d	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.76	57.8	40.9	−5.4	41.2	352.3
592	592_d	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	57.0	40.8	−7.9	41.6	348.9
593	593_d	0.875	0.25	1.0	1.0	0.75	0.625	321	0.887	0.25	1.0	57.6	44.3	−13.6	46.4	342.9
594	594_d	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.364	0.0	61.2	23.1	54.7	59.4	67.0
595	595_d	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.362	0.125	61.2	26.6	43.7	51.1	58.6
596	596_d	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.364	0.25	61.2	30.3	32.7	44.6	47.1
597	597_d	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	62.7	28.6	18.9	34.3	33.4
598	598_d	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.491	62.7	28.0	14.2	31.4	26.9
599	599_d	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.625	62.8	29.4	5.2	29.9	10.0
600	600_d	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.758	63.5	32.3	−3.5	32.5	353.7
601	601_d	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	63.0	32.7	−6.3	33.3	348.9
602	602_d	0.875	0.375	1.0	1.0	0.625	0.687	319	0.885	0.375	1.0	63.3	36.1	−12.0	38.1	341.5
603	603_d	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.51	0.0	67.2	12.3	60.6	61.9	78.4
604	604_d	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.5	0.125	67.8	14.4	49.7	51.7	73.8
605	605_d	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.489	0.25	67.5	18.2	38.0	42.1	64.4
606	606_d	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.491	0.375	67.6	21.7	27.2	34.8	51.4
607	607_d	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	68.7	21.4	14.1	25.7	33.4
608	608_d	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.618	68.7	21.2	8.7	22.9	22.3
609	609_d	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.756	69.1	23.7	−0.6	23.7	358.3
610	610_d	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.9	24.5	−4.7	24.9	348.9
611	611_d	0.875	0.5	1.0	1.0	0.5	0.75	316	0.883	0.5	1.0	69.1	27.9	−10.4	29.8	339.4
612	612_d	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.641	0.0	74.6	0.0	66.7	66.7	90.0
613	613_d	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.637	0.125	73.9	4.0	55.4	55.6	85.7
614	614_d	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.635	0.25	73.5	7.5	44.0	44.6	80.3
615	615_d	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.625	0.375	74.1	9.6	33.1	34.5	73.8
616	616_d	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.618	0.5	74.0	13.3	21.8	25.5	58.6
617	617_d	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	74.7	14.3	9.4	17.1	33.4
618	618_d	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.75	74.8	14.7	2.6	14.9	10.0
619	619_d	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	74.9	16.3	−3.1	16.6	348.9
620	620_d	0.875	0.625	1.0	1.0	0.375	0.812	311	0.881	0.625	1.0	75.0	19.3	−9.2	21.4	334.4
621	621_d	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.758	0.0	79.3	−7.5	66.3	66.8	96.4
622	622_d	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.762	0.125	79.9	−5.7	57.0	57.3	95.7
623	623_d	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.76	0.25	80.3	−3.6	47.7	47.9	94.3
624	624_d	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.758	0.375	80.7	−1.4	38.4	38.4	92.2
625	625_d	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.756	0.5	80.3	2.0	27.7	27.8	85.7
626	626_d	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.75	0.625	80.5	4.8	16.5	17.2	73.8
627	627_d	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	80.8	7.1	4.7	8.5	33.4
628	628_d	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	80.8	8.1	−1.5	8.3	348.9
629	629_d	0.875	0.75	1.0	1.0	0.25	0.875	300	0.875	0.75	1.0	81.1	10.7	−7.7	13.2	324.4
630	630_d	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	83.1	−13.8	74.1	75.3	100.5
631	631_d	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	83.6	−11.8	63.5	64.6	100.5
632	632_d	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	84.1	−9.9	52.9	53.8	100.5
633	633_d	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	84.7	−7.9	42.3	43.0	100.5
634	634_d	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	85.2	−5.9	31.7	32.3	100.5
635	635_d	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	85.7	−3.9	21.1	21.5	100.5
636	636_d	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	86.3	−1.9	10.5	10.7	100.5
637	637_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0
638	638_d	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	87.9	2.1	−5.5	5.9	290.8
639	639_d	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	92.7	−18.0	89.1	90.9	101.4
640	640_d	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	93.0	−16.0	78.0	79.7	101.6
641	641_d	0.875	1.0	0.25	1.0	0.75	0.625	99	0.887	1.0	0.25	93.1	−14.1	66.5	68.0	101.9
642	642_d	0.875	1.0	0.375	1.0	0.625	0.687	101	0.885	1.0	0.375	93.1	−12.3	54.9	56.2	102.6
643	643_d	0.875	1.0	0.5	1.0	0.5	0.75	104	0.883	1.0	0.5	93.1	−10.4	43.2	44.5	103.6
644	644_d	0.875	1.0	0.625	1.0	0.375	0.812	109	0.881	1.0	0.625	91.6	−10.3	28.7	30.5	109.8
645	645_d	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	89.6	−10.4	13.7	17.2	127.3
646	646_d	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.6	−8.4	3.8	9.2	155.5
647	647_d	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.4	−3.7	−5.3	6.5	235.1

n	*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
567	0.875	0.0	0.0	43.6	51.3	31.6	60.2	31.6	2.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
568	0.875	0.0	0.125	43.2	51.0	26.3	57.5	27.3	3.9	382	1.0	0.0	0.133	47.6	56.3	33.8	65.7	30.9
569	0.875	0.0	0.25	43.0	51.3	20.1	55.1	21.4	4.0	375	1.0	0.0	0.266	47.5	56.1	26.5	62.0	25.2
570	0.875	0.0	0.375	43.3	53.1	10.6	54.2	11.3	4.7	365	1.0	0.0	0.416	47.5	57.7	16.5	60.0	15.9
571	0.875	0.0	0.5	43.4	55.6	1.4	55.6	1.4	4.0	354	1.0	0.0	0.583	47.9	60.9	4.9	61.1	4.6
572	0.875	0.0	0.625	43.8	59.4	−6.7	59.8	353.5	4.3	344	1.0	0.0	0.733	49.1	64.2	−5.3	64.4	355.2
573	0.875	0.0	0.75	45.4	60.7	−12.7	62.1	348.1	4.7	337	1.0	0.0	0.866	49.5	66.0	−10.4	66.9	350.9
574	0.875	0.0	0.875	45.5	59.0	−16.8	61.4	344.0	5.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
575	0.875	0.0	1.0	45.6	60.1	−17.3	62.6	343.9	0.4	323	0.883	0.0	1.0	45.8	60.5	−17.0	62.8	344.2
576	0.875	0.125	0.0	49.7	50.4	46.7	68.7	42.8	4.9	37	1.0	0.133	0.0	52.3	53.4	49.7	73.0	42.9
577	0.875	0.125	0.125	49.6	47.7	41.6	63.3	41.1	14.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
578	0.875	0.125	0.25	49.6	47.9	30.7	56.9	32.6	8.3	382	1.0	0.0	0.15	47.6	56.3	32.9	65.2	30.3
579	0.875	0.125	0.375	49.3	49.0	22.0	53.8	24.1	8.1	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
580	0.875	0.125	0.5	49.5	51.8	11.4	53.0	12.4	8.5	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
581	0.875	0.125	0.625	49.1	55.8	0.5	55.8	0.6	8.9	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
582	0.875	0.125	0.75	50.0	58.8	−10.1	59.7	350.2	10.0	337	1.0	0.0	0.85	49.4	65.8	−9.9	66.6	351.4
583	0.875	0.125	0.875	49.2	57.7	−16.2	60.0	344.2	11.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
584	0.875	0.125	1.0	48.0	56.9	−17.9	59.6	342.4	6.3	322	0.866	0.0	1.0	45.4	59.8	−17.6	62.3	343.5
585	0.875	0.25	0.0	56.8	35.4	52.6	63.5	56.0	4.2	44	1.0	0.266	0.0	59.1	40.2	56.0	69.0	54.2
586	0.875	0.25	0.125	55.4	36.3	46.0	58.6	51.6	8.4	37	1.0	0.15	0.0	53.2	51.8	50.6	72.4	44.3
587	0.875	0.25	0.25	56.9	34.5	32.7	47.5	43.4	9.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
588	0.875	0.25	0.375	56.3	36.2	24.8	43.9	34.4	5.5	380	1.0	0.0	0.183	47.6	56.2	31.1	64.2	28.9
589	0.875	0.25	0.5	56.0	38.3	15.0	41.1	21.4	4.2	367	1.0	0.0	0.383	47.4	57.0	18.9	60.0	18.3
590	0.875	0.25	0.625	56.4	42.0	3.3	42.1	4.6	3.9	352	1.0	0.0	0.616	47.9	61.6	2.7	61.7	2.5
591	0.875	0.25	0.75	57.2	45.5	−6.6	46.0	351.7	4.8	339	1.0	0.0	0.816	49.4	65.4	−8.7	66.0	352.3
592	0.875	0.25	0.875	56.8	46.5	−14.0	48.6	343.1	8.2	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
593	0.875	0.25	1.0	54.7	48.9	−16.3	51.6	341.5	6.0	322	0.85	0.0	1.0	44.9	59.1	−18.2	61.9	342.9
594	0.875	0.375	0.0	63.1	24.3	58.4	63.2	67.4	4.2	54	1.0	0.416	0.0	66.6	26.4	62.5	67.9	67.0
595	0.875	0.375	0.125	61.5	24.8	49.6	55.5	63.3	6.1	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
596	0.875	0.375	0.25	62.3	24.9	36.0	43.8	55.3	6.4	39	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47.1
597	0.875	0.375	0.375	62.9	25.1	26.0	36.2	45.9	7.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
598	0.875	0.375	0.5	63.1	27.5	16.1	31.9	30.3	1.9	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
599	0.875	0.375	0.625	63.0	30.1	6.9	30.9	12.9	1.9	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
600	0.875	0.375	0.75	63.3	35.2	−4.9	35.6	352.0	3.2	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
601	0.875	0.375	0.875	63.7	36.7	−11.8	38.6	342.1	6.8	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
602	0.875	0.375	1.0	61.4	37.8	−15.8	41.0	337.2	4.6	320	0.816	0.0	1.0	43.9	57.8	−19.3	61.0	341.5
603	0.875	0.5	0.0	69.2	12.9	63.8	65.1	78.5	3.7	65	1.0	0.583	0.0	73.4	14.1	69.3	70.7	78.4
604	0.875	0.5	0.125	68.1	14.1	57.3	59.0	76.1	7.6	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
605	0.875	0.5	0.25	68.9	13.2	41.0	43.0	72.1	5.9	52	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64.4
606	0.875	0.5	0.375	68.6	15.1	30.6	34.1	63.7	7.5	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
607	0.875	0.5	0.5	69.6	16.7	20.0	26.1	50.1	7.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
608	0.875	0.5	0.625	69.4	20.1	10.8	22.8	28.2	2.4	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
609	0.875	0.5	0.75	69.6	25.1	−1.8	25.1	355.7	1.9	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
610	0.875	0.5	0.875	70.1	27.6	−10.7	29.6	338.7	6.8	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
611	0.875	0.5	1.0	68.5	30.3	−13.8	33.3	335.5	4.1	317	0.766	0.0	1.0	42.4	55.8	−20.9	59.6	339.4
612	0.875	0.625	0.0	77.1	2.9	72.8	72.8	87.7	7.1	75	1.0	0.733	0.0	81.8	−0.1	76.3	76.3	90.0
613	0.875	0.625	0.125	75.1	3.8	67.0	67.1	86.6	11.6	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
614	0.875	0.625	0.25	76.2	3.2	47.4	47.5	86.1	6.1	67	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80.3
615	0.875	0.625	0.375	75.2	5.6	36.6	37.1	81.2	5.4	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
616	0.875	0.625	0.5	75.3	8.1	24.0	25.3	71.3	5.7	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
617	0.875	0.625	0.625	75.6	9.9	14.6	17.7	55.7	6.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
618	0.875	0.625	0.75	75.6	14.7	1.8	14.8	6.9	1.1	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
619	0.875	0.625	0.875	76.2	18.4	−8.1	20.1	336.1	5.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
620	0.875	0.625	1.0	75.8	22.9	−10.8	25.4	334.7	4.0	311	0.683	0.0	1.0	40.4	51.6	−24.7	57.2	334.4
621	0.875	0.75	0.0	85.1	−6.3	81.4	81.6	94.4	16.1	82	1.0	0.866	0.0	87.3	−8.6	75.8	76.3	96.4
622	0.875	0.75	0.125	82.9	−5.9	74.6	74.8	94.5	17.8	81	1.0	0.85	0.0	86.6	−7.6	76.0	76.4	95.7
623	0.875	0.75	0.25	83.0	−5.2	54.0	54.2	95.5	6.9	80	1.0	0.816	0.0	85.4	−5.8	76.4	76.6	94.3
624	0.875	0.75	0.375	82.7	−3.2	43.0	43.2	94.3	5.3	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
625	0.875	0.75	0.5	82.9	−1.4	31.5	31.5	92.5	5.7	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
626	0.875	0.75	0.625	82.4	2.3	19.4	19.6	83.2	4.2	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
627	0.875	0.75	0.75	82.5	5.3	5.3	7.5	45.2	2.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
628	0.875	0.75	0.875	83.5	8.3	−5.9	10.2	324.7	5.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
629	0.875	0.75	1.0	83.1	9.3	−9.9	13.6	313.2	3.2	300	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4
630	0.875	0.875	0.0	90.6	−14.9	87.7	89.0	99.6	15.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
631	0.875	0.875	0.125	88.8	−13.7	80.1	81.3	99.7	17.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
632	0.875	0.875	0.25	88.5	−11.8	61.7	62.9	100.8	10.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
633	0.875	0.875	0.375	88.3	−10.9	49.4	50.6	102.4	8.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
634	0.875	0.875	0.5	89.3	−9.0	38.2	39.3	103.3	8.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
635	0.875	0.875	0.625	89.2	−6.5	26.1	27.0	104.1	6.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
636	0.875	0.875	0.75	90.3	−3.9	10.6	11.3	110.2	4.4	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
637	0.875	0.875	0.875	90.8	0.0	−0.1	0.1	266.5	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
638	0.875	0.875	1.0	89.8	−0.7	−7.0	7.0	263.6	3.7	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
639	0.875	1.0	0.0	92.8	−18.1	89.4	91.2	101.4	0.3	96	0.883	1.0	0.0	92.7	−18.0	89.1	90.9	101.4
640	0.875	1.0	0.125	91.8	−17.4	83.6	85.4	101.7	5.8	97	0.866	1.0	0.0	92.6	−18.3	89.2	91.0	101.6
641	0.875	1.0	0.25	91.2	−16.1	65.6	67.6	103.7	2.8	97	0.85	1.0	0.0	92.2	−18.8	88.7	90.7	101.9
642	0.875	1.0	0.375	91.1	−15.5	54.5	56.7	105.9	3.8	99	0.816	1.0	0.0	91.5	−19.6	87.8	90.0	102.6
643	0.875	1.0	0.5	91.5	−15.4	44.3	46.9	109.1	5.3	102	0.766	1.0	0.0	90.4	−20.9	86.5	89.0	103.6
644	0.875	1.0	0.625	92.3	−14.1	33.3	36.2	113.0	6.0	108	0.683	1.0	0.0	84.6	−27.6	76.5	81.3	109.8
645	0.875	1.0	0.75	92.1	−11.7	19.6	22.8	120.8	6.5	119	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3
646	0.875	1.0	0.875	91.7	−7.8	3.2	8.5	157.4	1.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
647	0.875	1.0	1.0	90.5	−5.6	−7.3	9.3	232.4	2.7	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1

delta *E' = *6.1***

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

2−0031530−F0

PS490−7N, 16/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
648	648_d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	0.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
649	649_d	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.6	56.4	34.5	66.1	31.4	1.0	0.0	0.125	47.6	56.3	34.2	65.9	31.3	0.2	383	1.0	0.0	0.116	47.6	56.4	34.5	66.1	31.4
650	650_d	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9	1.0	0.0	0.25	47.5	55.9	27.5	62.3	26.2	0.8	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
651	651_d	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.4	56.8	20.0	60.2	19.4	1.0	0.0	0.375	47.4	56.8	19.5	60.0	18.9	0.5	368	1.0	0.0	0.366	47.4	56.8	20.0	60.2	19.4
652	652_d	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	0.0	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
653	653_d	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	62.0	1.5	62.0	1.4	1.0	0.0	0.625	48.0	61.8	2.1	61.8	1.9	0.6	351	1.0	0.0	0.633	48.0	62.0	1.5	62.0	1.4
654	654_d	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7	1.0	0.0	0.75	49.3	64.5	−6.5	64.8	354.2	0.5	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
655	655_d	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	49.4	66.1	−10.9	67.0	350.6	1.0	0.0	0.875	49.5	66.1	−10.7	67.0	350.7	0.1	336	1.0	0.0	0.883	49.4	66.1	−10.9	67.0	350.6
656	656_d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	0.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
657	657_d	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41.6	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1	0.8	36	1.0	0.116	0.0	51.6	54.5	48.4	72.9	41.6
658	658_d	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	53.6	50.0	33.1	60.0	33.4	1.0	0.125	0.125	50.9	56.4	46.0	72.8	39.1	14.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
659	659_d	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.241	53.6	49.3	29.6	57.5	30.9	1.0	0.125	0.25	51.1	57.3	36.9	68.2	32.7	11.1	382	1.0	0.0	0.133	47.6	56.3	33.8	65.7	30.9
660	660_d	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.358	53.5	49.0	23.1	54.3	25.2	1.0	0.125	0.375	50.9	59.2	26.9	65.0	24.4	11.1	375	1.0	0.0	0.266	47.5	56.1	26.5	62.0	25.2
661	661_d	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.489	53.5	50.5	14.4	52.5	15.9	1.0	0.125	0.5	51.5	60.5	17.6	63.0	16.2	10.7	365	1.0	0.0	0.416	47.5	57.7	16.5	60.0	15.9
662	662_d	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.635	53.9	53.3	4.3	53.5	4.6	1.0	0.125	0.625	51.1	64.7	5.0	64.9	4.4	11.7	354	1.0	0.0	0.583	47.9	60.9	4.9	61.1	4.6
663	663_d	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.766	54.9	56.2	−4.6	56.4	355.2	1.0	0.125	0.75	51.5	67.6	−5.3	67.8	355.4	11.9	344	1.0	0.0	0.733	49.1	64.2	−5.3	64.4	355.2
664	664_d	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.883	55.3	57.8	−9.1	58.5	350.9	1.0	0.125	0.875	52.1	68.4	−9.9	69.1	351.7	11.1	337	1.0	0.0	0.866	49.5	66.0	−10.4	66.9	350.9
665	665_d	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	54.1	57.2	−11.1	58.3	348.9	1.0	0.125	1.0	51.6	65.2	−11.3	66.1	350.0	8.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
666	666_d	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	1.9	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
667	667_d	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.241	0.125	57.8	46.8	43.4	63.8	42.9	1.0	0.25	0.125	57.8	42.8	53.7	68.7	51.4	11.0	37	1.0	0.133	0.0	52.3	53.4	49.7	73.0	42.9
668	668_d	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	59.6	42.9	28.3	51.4	33.4	1.0	0.25	0.25	58.2	43.1	44.9	62.3	46.1	16.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
669	669_d	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.362	59.7	42.2	24.6	48.9	30.3	1.0	0.25	0.375	57.6	45.9	33.2	56.7	35.9	9.5	382	1.0	0.0	0.15	47.6	56.3	32.9	65.2	30.3
670	670_d	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.487	59.5	42.4	17.4	45.8	22.3	1.0	0.25	0.5	56.8	49.3	23.4	54.6	25.4	9.5	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
671	671_d	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.625	59.8	44.2	7.8	44.9	10.0	1.0	0.25	0.625	57.2	52.2	10.3	53.2	11.2	8.7	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
672	672_d	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.762	60.4	47.4	−1.3	47.4	358.3	1.0	0.25	0.75	58.2	54.5	−1.8	54.5	358.0	7.4	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
673	673_d	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.887	61.0	49.4	−7.4	49.9	351.4	1.0	0.25	0.875	58.8	56.4	−9.7	57.2	350.2	7.7	337	1.0	0.0	0.85	49.4	65.8	−9.9	66.6	351.4
674	674_d	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	60.1	49.0	−9.5	49.9	348.9	1.0	0.25	1.0	59.2	53.0	−11.1	54.2	348.1	4.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
675	675_d	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63.0	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7	0.9	51	1.0	0.366	0.0	64.2	30.6	60.1	67.5	63.0
676	676_d	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.358	0.125	63.7	35.2	49.0	60.3	54.2	1.0	0.375	0.125	63.2	32.5	57.2	65.9	60.3	8.6	44	1.0	0.266	0.0	59.1	40.2	56.0	69.0	54.2
677	677_d	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.362	0.25	63.8	38.8	37.9	54.3	44.3	1.0	0.375	0.25	63.3	33.3	49.0	59.3	55.8	12.4	37	1.0	0.15	0.0	53.2	51.8	50.6	72.4	44.3
678	678_d	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	65.6	35.7	23.6	42.8	33.4	1.0	0.375	0.375	64.5	33.3	35.8	48.9	47.0	12.4	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
679	679_d	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.489	65.7	35.1	19.4	40.1	28.9	1.0	0.375	0.5	64.4	35.7	25.6	44.0	35.7	6.3	380	1.0	0.0	0.183	47.6	56.2	31.1	64.2	28.9
680	680_d	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.614	65.5	35.6	11.8	37.5	18.3	1.0	0.375	0.625	64.1	39.5	13.1	41.6	18.3	4.3	367	1.0	0.0	0.383	47.4	57.0	18.9	60.0	18.3
681	681_d	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.76	65.9	38.5	1.6	38.5	2.5	1.0	0.375	0.75	64.9	42.1	1.3	42.1	1.8	3.7	352	1.0	0.0	0.616	47.9	61.6	2.7	61.7	2.5
682	682_d	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.885	66.8	40.9	−5.4	41.2	352.3	1.0	0.375	0.875	65.6	44.6	−7.7	45.2	350.1	4.4	339	1.0	0.0	0.816	49.4	65.4	−8.7	66.0	352.3
683	683_d	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	66.0	40.8	−7.9	41.6	348.9	1.0	0.375	1.0	66.3	43.9	−9.3	44.9	348.0	3.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
684	684_d	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	0.0	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
685	685_d	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.489	0.125	70.2	23.1	54.7	59.4	67.0	1.0	0.5	0.125	68.8	22.5	62.1	66.1	70.0	7.5	54	1.0	0.416	0.0	66.6	26.4	62.5	67.9	67.0
686	686_d	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.487	0.25	70.2	26.6	43.7	51.1	58.6	1.0	0.5	0.25	69.3	22.8	50.9	55.8	65.8	8.1	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
687	687_d	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.489	0.375	70.2	30.3	32.7	44.6	47.1	1.0	0.5	0.375	69.7	24.5	38.1	45.3	57.2	7.9	39	1.0	0.183	0.0	54.9	48.5	52.3	71.4	47.1
688	688_d	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.7	28.6	18.9	34.3	33.4	1.0	0.5	0.5	71.4	24.0	27.4	36.4	48.8	9.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
689	689_d	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.616	71.7	28.0	14.2	31.4	26.9	1.0	0.5	0.625	71.6	27.0	15.7	31.2	30.2	1.8	377	1.0	0.0	0.233	47.5	56.0	28.4	62.8	26.9
690	690_d	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.75	71.8	29.4	5.2	29.9	10.0	1.0	0.5	0.75	71.9	30.4	4.7	30.7	8.8	1.0	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
691	691_d	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.883	72.5	32.3	−3.5	32.5	353.7	1.0	0.5	0.875	71.8	34.7	−5.9	35.2	350.3	3.3	342	1.0	0.0	0.766	49.3	64.7	−7.1	65.1	353.7
692	692_d	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	72.0	32.7	−6.3	33.3	348.9	1.0	0.5	1.0	71.6	36.1	−8.9	37.2	346.1	4.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
693	693_d	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81.5	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7	1.1	68	1.0	0.633	0.0	75.4	10.6	71.2	72.0	81.5
694	694_d	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.635	0.125	76.2	12.3	60.6	61.9	78.4	1.0	0.625	0.125	75.7	10.3	67.8	68.6	81.3	7.5	65	1.0	0.583	0.0	73.4	14.1	69.3	70.7	78.4
695	695_d	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.625	0.25	76.8	14.4	49.7	51.7	73.8	1.0	0.625	0.25	75.9	11.1	56.5	57.6	78.8	7.6	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
696	696_d	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.614	0.375	76.5	18.2	38.0	42.1	64.4	1.0	0.625	0.375	76.0	13.2	42.5	44.6	72.7	6.7	52	1.0	0.383	0.0	65.0	29.1	60.8	67.4	64.4
697	697_d	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.616	0.5	76.6	21.7	27.2	34.8	51.4	1.0	0.625	0.5	77.1	14.1	31.2	34.3	65.5	8.5	42	1.0	0.233	0.0	57.4	43.5	54.5	69.7	51.4
698	698_d	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	77.7	21.4	14.1	25.7	33.4	1.0	0.625	0.625	78.4	15.6	19.6	25.1	51.4	7.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
699	699_d	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.743	77.7	21.2	8.7	22.9	22.3	1.0	0.625	0.75	78.6	19.2	8.4	21.0	23.7	2.1	371	1.0	0.0	0.316	47.4	56.5	23.2	61.1	22.3
700	700_d	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.881	78.1	23.7	−0.6	23.7	358.3	1.0	0.625	0.875	79.4	23.4	−4.3	23.8	349.5	3.8	348	1.0	0.0	0.683	48.6	63.2	−1.8	63.2	358.3
701	701_d	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.9	24.5	−4.7	24.9	348.9	1.0	0.625	1.0	78.5	25.6	−7.2	26.6	344.3	2.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
702	702_d	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2	1.0	0.75	0.0	82.9	−2.0	76.9	77.0	91.5	1.1	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
703	703_d	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.766	0.125	83.6	0.0	66.7	66.7	90.0	1.0	0.75	0.125	82.6	−0.5	66.7	66.7	90.5	1.0	75	1.0	0.733	0.0	81.8	−0.1	76.3	76.3	90.0
704	704_d	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.762	0.25	82.9	4.0	55.4	55.6	85.7	1.0	0.75	0.25	82.8	0.4	57.8	57.8	89.5	4.3	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
705	705_d	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.76	0.375	82.5	7.5	44.0	44.6	80.3	1.0	0.75	0.375	83.4	1.1	48.4	48.4	88.6	7.8	67	1.0	0.616	0.0	74.6	12.0	70.4	71.4	80.3
706	706_d	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	83.1	9.6	33.1	34.5	73.8	1.0	0.75	0.5	83.6	2.8	39.3	39.4	85.7	9.1	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
707	707_d	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.743	0.625	83.0	13.3	21.8	25.5	58.6	1.0	0.75	0.625	84.0	5.8	25.8	26.5	77.2	8.5	48	1.0	0.316	0.0	61.6	35.5	58.2	68.2	58.6
708	708_d	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.7	14.3	9.4	17.1	33.4	1.0	0.75	0.75	86.4	7.3	12.4	14.4	59.6	8.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
709	709_d	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.875	83.8	14.7	2.6	14.9	10.0	1.0	0.75	0.875	85.5	13.2	0.6	13.2	2.8	2.9	360	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0
710	710_d	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.9	16.3	−3.1	16.6	348.9	1.0	0.75	1.0	86.0	15.3	−5.2	16.2	341.0	3.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
711	711_d	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	87.8	−9.4	76.3	76.9	97.0	1.0	0.875	0.0	87.6	−9.0	75.7	76.3	96.8	0.7	83	1.0	0.883	0.0	87.8	−9.4	76.3	76.9	97.0
712	712_d	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.883	0.125	88.3	−7.5	66.3	66.8	96.4	1.0	0.875	0.125	87.3	−8.0	69.2	69.7	96.6	3.1	82	1.0	0.866	0.0	87.3	−8.6	75.8	76.3	96.4
713	713_d	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.887	0.25	88.9	−5.7	57.0	57.3	95.7	1.0	0.875	0.25	88.1	−7.3	58.0	58.5	97.2	2.0	81	1.0	0.85	0.0	86.6	−7.6	76.0	76.4	95.7
714	714_d	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.885	0.375	89.3	−3.6	47.7	47.9	94.3	1.0	0.875	0.375	88.4	−6.1	49.5	49.9	97.1	3.2	80	1.0	0.816	0.0	85.4	−5.8	76.4	76.6	94.3
715	715_d	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.883	0.5	89.7	−1.4	38.4	38.4	92.2	1.0	0.875	0.5	88.8	−4.4	40.1	40.4	96.3	3.5	77	1.0	0.766	0.0	83.5	−2.9	76.8	76.9	92.2
716	716_d	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.881	0.625	89.3	2.0	27.7	27.8	85.7	1.0	0.875	0.625	89.1	−2.1	30.3	30.3	93.9	4.8	71	1.0	0.683	0.0	78.6	5.4	73.9	74.1	85.7
717	717_d	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.875	0.75	89.5	4.8	16.5	17.2	73.8	1.0	0.875	0.75	91.6	−1.9	18.5	18.6	95.8	7.3	59	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8
718	718_d	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.8	7.1	4.7	8.5	33.4	1.0	0.875	0.875	92.0	3.1	4.8	5.7	56.9	4.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
719	719_d	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.8	8.1	−1.5	8.3	348.9	1.0	0.875	1.0	93.0	5.1	−2.4	5.6	334.7	4.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
720	720_d	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	0.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
721	721_d	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	92.1	−13.8	74.1	75.3	100.5	1.0	1.0	0.125	91.7	−15.4	78.3	79.8	101.1	4.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
722	722_d	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	92.6	−11.8	63.5	64.6	100.5	1.0	1.0	0.25	91.8	−13.6	64.0	65.5	102.0	2.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
723	723_d	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	93.1	−9.9	52.9	53.8	100.5	1.0	1.0	0.375	92.6	−12.9	53.9	55.5	103.4	3.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
724	724_d	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	93.7	−7.9	42.3	43.0	100.5	1.0	1.0	0.5	93.1	−11.8	45.5	47.0	104.6	5.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
725	725_d	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	94.2	−5.9	31.7	32.3	100.5	1.0	1.0	0.625	93.6	−9.6	34.9	36.2	105.3	4.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
726	726_d	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	94.7	−3.9	21.1	21.5	100.5	1.0	1.0	0.75	95.1	−8.9	25.6	27.1	109.2	6.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
727	727_d	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	95.3	−1.9	10.5	10.7	100.5	1.0	1.0	0.875	95.7	−4.6	11.5	12.4	111.7	2.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
728	728_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = *5.3***

2−0031630−F0 PS490−7N, 17/22−F

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	$h_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
729	729_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	0.0	0.0	0.0	178.6	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
730	730_d	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.4	−3.7	−5.3	6.5	235.1	0.875	1.0	1.0	90.5	−5.7	−7.6	9.6	232.8	3.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
731	731_d	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	85.1	−7.5	−10.7	13.1	235.1	0.75	1.0	1.0	84.8	−9.9	−14.7	17.7	236.0	4.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
732	732_d	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	79.8	−11.2	−16.1	19.6	235.1	0.625	1.0	1.0	78.6	−14.0	−21.7	25.8	237.2	6.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
733	733_d	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	74.4	−15.0	−21.5	26.2	235.1	0.5	1.0	1.0	73.1	−16.9	−27.8	32.5	238.7	6.7	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
734	734_d	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	69.1	−18.7	−26.9	32.8	235.1	0.375	1.0	1.0	67.3	−20.0	−32.8	38.5	238.6	6.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
735	735_d	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	63.8	−22.5	−32.3	39.3	235.1	0.25	1.0	1.0	59.2	−26.0	−38.7	46.6	236.0	8.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
736	736_d	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	58.4	−26.2	−37.7	45.9	235.1	0.125	1.0	1.0	54.7	−28.9	−42.5	51.4	235.7	6.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
737	737_d	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	1.0	1.0	52.2	−29.2	−44.1	52.9	236.4	1.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
738	738_d	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.8	7.1	4.7	8.5	33.4	1.0	0.875	0.875	91.5	4.1	3.9	5.7	43.0	3.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
739	739_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	90.3	0.0	−0.2	0.2	277.5	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
740	740_d	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.4	−3.7	−5.3	6.5	235.1	0.75	0.875	0.875	85.5	−7.5	−10.5	12.9	234.5	7.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
741	741_d	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	76.1	−7.5	−10.7	13.1	235.1	0.625	0.875	0.875	80.6	−12.5	−18.7	22.5	236.2	10.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
742	742_d	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	70.8	−11.2	−16.1	19.6	235.1	0.5	0.875	0.875	73.7	−17.3	−25.2	30.7	235.4	11.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
743	743_d	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	65.4	−15.0	−21.5	26.2	235.1	0.375	0.875	0.875	68.3	−20.0	−31.6	37.4	237.7	11.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
744	744_d	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	60.1	−18.7	−26.9	32.8	235.1	0.25	0.875	0.875	63.0	−23.7	−34.2	41.7	235.2	9.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
745	745_d	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	54.8	−22.5	−32.3	39.3	235.1	0.125	0.875	0.875	57.0	−28.4	−39.3	48.5	234.1	9.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
746	746_d	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	49.4	−26.2	−37.7	45.9	235.1	0.0	0.875	0.875	52.0	−31.5	−42.1	52.6	233.1	7.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
747	747_d	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.7	14.3	9.4	17.1	33.4	1.0	0.75	0.75	86.6	8.0	10.0	12.8	51.3	6.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
748	748_d	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	80.8	7.1	4.7	8.5	33.4	0.875	0.75	0.75	83.1	5.7	3.9	7.0	34.1	2.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
749	749_d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.9	0.0	−0.5	0.5	269.9	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
750	750_d	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	72.5	−3.7	−5.3	6.5	235.1	0.625	0.75	0.75	77.5	−6.9	−10.7	12.8	237.0	8.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
751	751_d	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	67.1	−7.5	−10.7	13.1	235.1	0.5	0.75	0.75	71.5	−14.0	−19.5	24.0	234.3	11.7	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
752	752_d	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	61.8	−11.2	−16.1	19.6	235.1	0.375	0.75	0.75	66.6	−17.0	−24.9	30.2	235.6	11.6	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
753	753_d	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	56.4	−15.0	−21.5	26.2	235.1	0.25	0.75	0.75	60.0	−20.0	−30.4	36.4	236.6	10.8	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
754	754_d	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	51.1	−18.7	−26.9	32.8	235.1	0.125	0.75	0.75	55.7	−25.2	−35.3	43.4	234.5	11.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
755	755_d	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	45.8	−22.5	−32.3	39.3	235.1	0.0	0.75	0.75	52.0	−33.9	−38.5	51.3	228.5	14.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
756	756_d	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	77.7	21.4	14.1	25.7	33.4	1.0	0.625	0.625	79.0	15.4	17.7	23.4	48.9	7.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
757	757_d	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	74.7	14.3	9.4	17.1	33.4	0.875	0.625	0.625	76.0	9.9	12.8	16.2	52.1	5.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
758	758_d	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	71.8	7.1	4.7	8.5	33.4	0.75	0.625	0.625	74.8	5.4	4.1	6.8	37.0	3.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
759	759_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	71.8	0.0	−1.0	1.0	270.7	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
760	760_d	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	63.5	−3.7	−5.3	6.5	235.1	0.5	0.625	0.625	67.1	−7.7	−13.2	15.3	239.7	9.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
761	761_d	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	58.1	−7.5	−10.7	13.1	235.1	0.375	0.625	0.625	61.5	−13.9	−20.3	24.7	235.6	12.0	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
762	762_d	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	52.8	−11.2	−16.1	19.6	235.1	0.25	0.625	0.625	55.0	−17.0	−27.0	31.9	237.6	12.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
763	763_d	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	47.4	−15.0	−21.5	26.2	235.1	0.125	0.625	0.625	51.6	−22.0	−31.5	38.5	234.9	12.9	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
764	764_d	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	42.1	−18.7	−26.9	32.8	235.1	0.0	0.625	0.625	49.9	−30.2	−39.0	49.4	232.3	18.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
765	765_d	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.7	28.6	18.9	34.3	33.4	1.0	0.5	0.5	72.0	23.9	24.2	34.0	45.3	7.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
766	766_d	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	68.7	21.4	14.1	25.7	33.4	0.875	0.5	0.5	70.4	16.5	16.7	23.5	45.4	5.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
767	767_d	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	65.7	14.3	9.4	17.1	33.4	0.75	0.5	0.5	66.8	10.9	11.1	15.6	45.6	3.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
768	768_d	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	62.8	7.1	4.7	8.5	33.4	0.625	0.5	0.5	64.1	6.0	2.5	6.5	22.6	2.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
769	769_d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.1	0.0	−1.1	1.1	268.7	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
770	770_d	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	54.5	−3.7	−5.3	6.5	235.1	0.375	0.5	0.5	56.7	−8.0	−14.5	16.5	240.9	10.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
771	771_d	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	49.1	−7.5	−10.7	13.1	235.1	0.25	0.5	0.5	51.3	−13.9	−22.4	26.4	238.1	13.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
772	772_d	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	43.8	−11.2	−16.1	19.6	235.1	0.125	0.5	0.5	47.6	−17.3	−28.5	33.3	238.7	14.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
773	773_d	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.4	−15.0	−21.5	26.2	235.1	0.0	0.5	0.5	43.7	−23.2	−34.9	41.9	236.3	16.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
774	774_d	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	65.6	35.7	23.6	42.8	33.4	1.0	0.375	0.375	65.7	31.7	34.9	47.2	47.7	12.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
775	775_d	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	62.7	28.6	18.9	34.3	33.4	0.875	0.375	0.375	63.8	24.2	23.9	34.0	44.6	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
776	776_d	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	59.7	21.4	14.1	25.7	33.4	0.75	0.375	0.375	59.3	17.8	17.4	24.9	44.3	4.8	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
777	777_d	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	56.7	14.3	9.4	17.1	33.4	0.625	0.375	0.375	55.8	12.5	10.7	16.4	40.7	2.4	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
778	778_d	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	53.8	7.1	4.7	8.5	33.4	0.5	0.375	0.375	54.4	6.2	3.6	7.2	30.3	1.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
779	779_d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	52.2	0.0	−1.4	1.4	267.3	2.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
780	780_d	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	45.5	−3.7	−5.3	6.5	235.1	0.25	0.375	0.375	46.6	−10.3	−18.0	20.8	240.1	14.3	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
781	781_d	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	40.1	−7.5	−10.7	13.1	235.1	0.125	0.375	0.375	43.9	−14.0	−24.0	27.8	239.6	15.2	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
782	782_d	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	34.8	−11.2	−16.1	19.6	235.1	0.0	0.375	0.375	40.7	−19.5	−29.2	35.1	236.2	16.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
783	783_d	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	59.6	42.9	28.3	51.4	33.4	1.0	0.25	0.25	59.4	40.9	44.3	60.3	47.2	16.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
784	784_d	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	56.6	35.7	23.6	42.8	33.4	0.875	0.25	0.25	58.0	32.4	32.2	45.7	44.8	9.2	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
785	785_d	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	53.7	28.6	18.9	34.3	33.4	0.75	0.25	0.25	51.9	25.4	24.5	35.3	43.9	6.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
786	786_d	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	50.7	21.4	14.1	25.7	33.4	0.625	0.25	0.25	47.6	19.8	19.2	27.6	44.1	6.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
787	787_d	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	47.7	14.3	9.4	17.1	33.4	0.5	0.25	0.25	45.3	12.7	13.5	18.6	46.5	4.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
788	788_d	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	44.8	7.1	4.7	8.5	33.4	0.375	0.25	0.25	42.8	8.4	5.7	10.2	34.0	2.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
789	789_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	42.4	0.0	−1.2	1.2	267.2	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
790	790_d	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	36.5	−3.7	−5.3	6.5	235.1	0.125	0.25	0.25	37.7	−10.4	−17.9	20.7	239.6	14.2	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
791	791_d	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	31.1	−7.5	−10.7	13.1	235.1	0.0	0.25	0.25	37.1	−15.7	−22.3	27.3	234.7	15.4	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
792	792_d	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	53.6	50.0	33.1	60.0	33.4	1.0	0.125	0.125	52.1	54.1	46.6	71.5	40.7	14.2	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
793	793_d	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	50.6	42.9	28.3	51.4	33.4	0.875	0.125	0.125	50.7	44.3	39.9	59.6	42.0	11.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
794	794_d	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	47.6	35.7	23.6	42.8	33.4	0.75	0.125	0.125	45.6	33.5	29.4	44.6	41.2	6.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
795	795_d	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	44.7	28.6	18.9	34.3	33.4	0.625	0.125	0.125	41.4	28.6	26.8	39.2	43.1	8.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
796	796_d	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	41.7	21.4	14.1	25.7	33.4	0.5	0.125	0.125	38.5	20.6	20.3	28.9	44.5	6.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
797	797_d	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	38.7	14.3	9.4	17.1	33.4	0.375	0.125	0.125	36.5	14.2	14.1	20.0	44.8	5.1	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
798	798_d	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	35.8	7.1	4.7	8.5	33.4	0.25	0.125	0.125	34.1	8.5	7.1	11.1	40.0	3.2	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
799	799_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.1	0.0	−0.5	0.5	270.7	3.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
800	800_d	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	27.5	−3.7	−5.3	6.5	235.1	0.0	0.125	0.125	32.2	−10.8	−16.3	19.5	236.4	13.8	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
801	801_d	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.8	55.2	38.8	67.5	35.1	2.2	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
802	802_d	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	44.6	50.0	33.1	60.0	33.4	0.875	0.0	0.0	42.2	48.7	31.7	58.2	33.0	2.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
803	803_d	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	41.6	42.9	28.3	51.4	33.4	0.75	0.0	0.0	38.2	44.1	29.8	53.3	34.0	3.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
804	804_d	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	38.6	35.7	23.6	42.8	33.4	0.625	0.0	0.0	34.2	39.5	27.2	47.9	34.5	6.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
805	805_d	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	35.7	28.6	18.9	34.3	33.4	0.5	0.0	0.0	31.1	34.3	24.2	42.0	35.2	9.0	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
806	806_d	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	32.7	21.4	14.1	25.7	33.4	0.375	0.0	0.0	29.1	26.1	19.5	32.6	36.8	7.9	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
807	807_d	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	29.7	14.3	9.4	17.1	33.4	0.25	0.0	0.0	28.6	16.1	13.5	21.0	39.9	4.5	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
808	808_d	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	26.8	7.1	4.7	8.5	33.4	0.125	0.0	0.0	27.0	8.5	8.2	11.8	43.6	3.7	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
809	809_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.1	0.4	0.4	67.8	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = 7.8**

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

2−0031730−F0

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 19/22

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
810	810$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.1	0.0	0.1	188.0	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
811	811$_d$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	87.9	2.1	−5.5	5.9	290.8	0.875	0.875	1.0	88.8	0.5	−7.8	7.8	273.8	2.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
812	812$_d$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	80.0	4.2	−11.1	11.9	290.8	0.75	0.75	1.0	79.2	2.5	−15.9	16.1	278.9	5.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
813	813$_d$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	72.1	6.3	−16.7	17.8	290.8	0.625	0.625	1.0	65.8	5.5	−25.7	26.3	282.2	10.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
814	814$_d$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	64.2	8.4	−22.3	23.8	290.8	0.5	0.5	1.0	54.6	10.9	−32.6	34.4	288.5	14.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
815	815$_d$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	56.2	10.5	−27.8	29.8	290.8	0.375	0.375	1.0	45.7	14.0	−37.9	40.4	290.3	14.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
816	816$_d$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	48.3	12.7	−33.4	35.7	290.8	0.25	0.25	1.0	38.1	18.6	−41.2	45.2	294.2	14.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
817	817$_d$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	40.4	14.8	−39.0	41.7	290.8	0.125	0.125	1.0	34.5	19.2	−42.9	47.0	294.1	8.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
818	818$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	0.0	1.0	30.8	20.2	−44.2	48.6	294.6	3.7	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
819	819$_d$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	95.3	−1.9	10.5	10.7	100.5	1.0	1.0	0.875	95.9	−3.8	9.4	10.2	111.9	2.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
820	820$_d$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.1	0.0	−0.1	0.1	242.5	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
821	821$_d$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	78.9	2.1	−5.5	5.9	290.8	0.75	0.75	0.875	80.2	1.7	−11.6	11.7	278.4	6.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
822	822$_d$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	71.0	4.2	−11.1	11.9	290.8	0.625	0.625	0.875	69.8	4.2	−20.4	20.8	281.7	9.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
823	823$_d$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	63.1	6.3	−16.7	17.8	290.8	0.5	0.5	0.875	58.7	8.3	−29.7	30.9	285.6	13.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
824	824$_d$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	55.2	8.4	−22.3	23.8	290.8	0.375	0.375	0.875	47.8	12.6	−36.7	38.8	288.9	16.7	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
825	825$_d$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	47.2	10.5	−27.8	29.8	290.8	0.25	0.25	0.875	39.6	16.7	−41.1	44.4	292.2	16.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
826	826$_d$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	39.3	12.7	−33.4	35.7	290.8	0.125	0.125	0.875	35.1	17.5	−43.1	46.5	292.1	11.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
827	827$_d$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	31.4	14.8	−39.0	41.7	290.8	0.0	0.0	0.875	29.1	21.9	−44.4	49.5	296.2	9.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
828	828$_d$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	94.7	−3.9	21.1	21.5	100.5	1.0	1.0	0.75	95.2	−8.7	24.8	26.3	109.2	6.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
829	829$_d$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	86.3	−1.9	10.5	10.7	100.5	0.875	0.875	0.75	91.4	−3.2	9.1	9.6	109.3	5.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
830	830$_d$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.2	0.0	−0.5	0.5	270.3	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
831	831$_d$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	69.9	2.1	−5.5	5.9	290.8	0.625	0.625	0.75	71.5	2.2	−12.7	12.9	280.2	7.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
832	832$_d$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	62.0	4.2	−11.1	11.9	290.8	0.5	0.5	0.75	60.6	4.4	−20.2	20.7	282.3	9.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
833	833$_d$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	54.1	6.3	−16.7	17.8	290.8	0.375	0.375	0.75	50.8	6.5	−27.4	28.2	283.3	11.2	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
834	834$_d$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	46.2	8.4	−22.3	23.8	290.8	0.25	0.25	0.75	44.3	10.9	−33.2	35.0	288.2	11.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
835	835$_d$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	38.2	10.5	−27.8	29.8	290.8	0.125	0.125	0.75	38.2	13.3	−39.1	41.3	288.7	11.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
836	836$_d$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	30.3	12.7	−33.4	35.7	290.8	0.0	0.0	0.75	29.0	20.6	−44.7	49.2	294.7	13.8	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
837	837$_d$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	94.2	−5.9	31.7	32.3	100.5	1.0	1.0	0.625	93.4	−9.0	33.9	35.0	104.9	3.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
838	838$_d$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	85.7	−3.9	21.1	21.5	100.5	0.875	0.875	0.625	90.1	−6.3	24.9	25.7	104.2	6.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
839	839$_d$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	77.3	−1.9	10.5	10.7	100.5	0.75	0.75	0.625	83.0	−2.2	7.7	8.1	106.0	6.4	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
840	840$_d$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.5	0.0	−1.0	1.0	270.5	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
841	841$_d$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	60.9	2.1	−5.5	5.9	290.8	0.5	0.5	0.625	61.7	2.6	−14.3	14.5	280.2	8.8	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
842	842$_d$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	53.0	4.2	−11.1	11.9	290.8	0.375	0.375	0.625	50.5	4.0	−22.7	23.0	280.0	11.8	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
843	843$_d$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	45.1	6.3	−16.7	17.8	290.8	0.25	0.25	0.625	44.0	8.2	−27.8	29.0	286.5	11.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
844	844$_d$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	37.2	8.4	−22.3	23.8	290.8	0.125	0.125	0.625	37.5	11.3	−34.2	36.1	288.3	12.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
845	845$_d$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	29.2	10.5	−27.8	29.8	290.8	0.0	0.0	0.625	28.0	21.5	−45.0	49.9	295.5	20.4	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
846	846$_d$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	93.7	−7.9	42.3	43.0	100.5	1.0	1.0	0.5	92.9	−11.3	44.8	46.2	104.1	4.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
847	847$_d$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	85.2	−5.9	31.7	32.3	100.5	0.875	0.875	0.5	90.0	−8.5	36.5	37.5	103.2	7.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
848	848$_d$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	76.7	−3.9	21.1	21.5	100.5	0.75	0.75	0.5	82.9	−6.7	24.9	25.8	105.2	7.7	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
849	849$_d$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	68.3	−1.9	10.5	10.7	100.5	0.625	0.625	0.5	73.9	−3.5	7.3	8.1	115.9	6.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
850	850$_d$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.9	0.0	−1.2	1.2	270.4	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
851	851$_d$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	51.9	2.1	−5.5	5.9	290.8	0.375	0.375	0.5	50.4	2.1	−16.8	17.0	277.2	11.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
852	852$_d$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	44.0	4.2	−11.1	11.9	290.8	0.25	0.25	0.5	42.6	4.6	−23.9	24.4	280.9	12.9	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
853	853$_d$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	36.1	6.3	−16.7	17.8	290.8	0.125	0.125	0.5	35.8	7.9	−29.0	30.1	285.2	12.4	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
854	854$_d$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	28.2	8.4	−22.3	23.8	290.8	0.0	0.0	0.5	29.9	15.0	−39.3	42.0	290.9	18.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
855	855$_d$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	93.1	−9.9	52.9	53.8	100.5	1.0	1.0	0.375	92.5	−12.7	53.3	54.8	103.4	2.9	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
856	856$_d$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	84.7	−7.9	42.3	43.0	100.5	0.875	0.875	0.375	89.1	−10.8	48.0	49.2	102.7	7.7	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
857	857$_d$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	76.2	−5.9	31.7	32.3	100.5	0.75	0.75	0.375	82.6	−9.1	37.6	38.7	103.7	9.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
858	858$_d$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	67.7	−3.9	21.1	21.5	100.5	0.625	0.625	0.375	73.7	−7.0	24.2	25.2	106.1	7.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
859	859$_d$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	59.3	−1.9	10.5	10.7	100.5	0.5	0.5	0.375	63.0	−4.3	9.6	10.5	114.4	4.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
860	860$_d$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	53.1	0.0	−1.1	1.1	270.9	2.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
861	861$_d$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	42.9	2.1	−5.5	5.9	290.8	0.25	0.25	0.375	40.7	2.0	−18.7	18.8	276.3	13.3	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
862	862$_d$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	35.0	4.2	−11.1	11.9	290.8	0.125	0.125	0.375	33.3	4.4	−25.1	25.5	280.0	14.1	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
863	863$_d$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	27.1	6.3	−16.7	17.8	290.8	0.0	0.0	0.375	29.5	7.3	−30.0	30.9	283.7	13.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
864	864$_d$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	92.6	−11.8	63.5	64.6	100.5	1.0	1.0	0.25	91.7	−13.4	63.5	64.9	101.9	1.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
865	865$_d$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	84.1	−9.9	52.9	53.8	100.5	0.875	0.875	0.25	88.8	−11.8	60.5	61.7	101.0	9.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
866	866$_d$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	75.7	−7.9	42.3	43.0	100.5	0.75	0.75	0.25	82.4	−11.6	50.3	51.7	102.9	11.1	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
867	867$_d$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	67.2	−5.9	31.7	32.3	100.5	0.625	0.625	0.25	73.1	−10.2	39.0	40.3	104.7	10.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
868	868$_d$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	58.7	−3.9	21.1	21.5	100.5	0.5	0.5	0.25	63.0	−8.2	26.7	27.9	107.2	8.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
869	869$_d$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	50.3	−1.9	10.5	10.7	100.5	0.375	0.375	0.25	53.1	−5.6	13.2	14.4	113.0	5.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
870	870$_d$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	42.8	0.0	−1.0	1.0	272.0	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
871	871$_d$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	33.9	2.1	−5.5	5.9	290.8	0.125	0.125	0.25	31.9	1.9	−18.0	18.1	276.1	12.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
872	872$_d$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	26.0	4.2	−11.1	11.9	290.8	0.0	0.0	0.25	25.3	4.2	−24.7	25.1	279.6	13.6	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
873	873$_d$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	92.1	−13.8	74.1	75.3	100.5	1.0	1.0	0.125	91.5	−15.0	76.9	78.3	101.0	3.0	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
874	874$_d$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	83.6	−11.8	63.5	64.6	100.5	0.875	0.875	0.125	88.9	−13.6	78.1	79.3	99.9	15.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
875	875$_d$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	75.1	−9.9	52.9	53.8	100.5	0.75	0.75	0.125	81.4	−12.5	67.8	68.9	100.4	16.3	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
876	876$_d$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	66.7	−7.9	42.3	43.0	100.5	0.625	0.625	0.125	71.5	−11.5	55.8	57.0	101.6	14.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
877	877$_d$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	58.2	−5.9	31.7	32.3	100.5	0.5	0.5	0.125	62.9	−10.0	41.1	42.3	103.7	11.2	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
878	878$_d$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	49.7	−3.9	21.1	21.5	100.5	0.375	0.375	0.125	54.9	−8.9	30.7	32.0	106.2	11.9	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
879	879$_d$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	41.3	−1.9	10.5	10.7	100.5	0.25	0.25	0.125	44.1	−5.4	15.5	16.4	109.3	6.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
880	880$_d$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.6	0.0	−0.2	0.3	283.5	5.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
881	881$_d$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	24.9	2.1	−5.5	5.9	290.8	0.0	0.0	0.125	28.2	4.0	−15.3	15.8	284.8	10.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
882	882$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.4	−15.6	84.1	85.5	100.5	0.6	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
883	883$_d$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	83.1	−13.8	74.1	75.3	100.5	0.875	0.875	0.0	90.6	−14.8	86.7	87.9	99.7	14.7	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
884	884$_d$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	74.6	−11.8	63.5	64.6	100.5	0.75	0.75	0.0	82.4	−14.2	78.8	80.1	100.2	17.4	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
885	885$_d$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	66.1	−9.9	52.9	53.8	100.5	0.625	0.625	0.0	69.1	−12.2	64.9	66.0	100.6	12.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
886	886$_d$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	57.7	−7.9	42.3	43.0	100.5	0.5	0.5	0.0	58.4	−10.2	53.9	54.8	100.7	11.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
887	887$_d$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	49.2	−5.9	31.7	32.3	100.5	0.375	0.375	0.0	52.1	−10.7	44.3	45.6	103.6	13.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
888	888$_d$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	40.7	−3.9	21.1	21.5	100.5	0.25	0.25	0.0	44.5	−8.6	32.1	33.3	105.1	12.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
889	889$_d$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	32.3	−1.9	10.5	10.7	100.5	0.125	0.125	0.0	36.5	−5.3	16.3	17.1	108.0	7.8	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
890	890$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.2	0.8	0.8	70.4	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = 9.2**

2−0031830−F0

PS490−7N, 19/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

2−0031830−F0

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC^*_{Fd}	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	rgb^*_{Fd}			$LabCh^*_{Fd}$					$rgb^{*\prime}_{Fd}$			$LabCh^{*\prime}_{Fd}$					$DE^{*\prime}_{Fd}$	$h_{siM,d}$	rgb^*_{Md}			$LabCh^*_{Md}$				
891	891_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.1	0.0	0.1	168.6	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
892	892_d	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.8	8.1	−1.5	8.3	348.9	1.0	0.875	1.0	91.4	7.6	−3.0	8.1	338.4	2.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
893	893_d	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.9	16.3	−3.1	16.6	348.9	1.0	0.75	1.0	85.5	16.1	−5.2	16.9	341.9	2.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
894	894_d	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.9	24.5	−4.7	24.9	348.9	1.0	0.625	1.0	78.4	26.0	−7.1	26.9	344.6	2.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
895	895_d	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	72.0	32.7	−6.3	33.3	348.9	1.0	0.5	1.0	71.7	36.3	−8.9	37.4	346.1	4.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
896	896_d	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	66.0	40.8	−7.9	41.6	348.9	1.0	0.375	1.0	66.1	44.6	−9.4	45.6	348.0	4.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
897	897_d	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	60.1	49.0	−9.5	49.9	348.9	1.0	0.25	1.0	59.2	53.6	−11.4	54.8	347.9	4.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
898	898_d	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	54.1	57.2	−11.1	58.3	348.9	1.0	0.125	1.0	52.3	65.2	−11.5	66.2	349.9	8.2	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
899	899_d	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	1.0	0.0	1.0	48.3	65.1	−12.7	66.3	348.9	0.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
900	900_d	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.6	−8.4	3.8	9.2	155.5	0.875	1.0	0.875	92.1	−6.9	1.8	7.1	165.1	2.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
901	901_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.6	0.0	−0.2	0.2	263.1	4.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
902	902_d	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	80.8	8.1	−1.5	8.3	348.9	0.875	0.75	0.875	84.3	8.6	−5.6	10.2	326.9	5.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
903	903_d	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	74.9	16.3	−3.1	16.6	348.9	0.875	0.625	0.875	77.2	18.7	−8.0	20.4	336.6	5.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
904	904_d	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.9	24.5	−4.7	24.9	348.9	0.875	0.5	0.875	70.8	27.7	−10.0	29.5	340.0	6.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
905	905_d	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	63.0	32.7	−6.3	33.3	348.9	0.875	0.375	0.875	64.0	37.0	−11.8	38.8	342.2	7.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
906	906_d	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	57.0	40.8	−7.9	41.6	348.9	0.875	0.25	0.875	57.7	45.0	−13.6	47.1	343.1	7.1	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
907	907_d	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	51.1	49.0	−9.5	49.9	348.9	0.875	0.125	0.875	49.8	55.9	−16.4	58.3	343.6	9.8	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
908	908_d	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	45.1	57.2	−11.1	58.3	348.9	0.875	0.0	0.875	44.7	59.0	−15.8	61.1	344.9	4.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
909	909_d	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	85.4	−16.9	7.7	18.5	155.5	0.75	1.0	0.75	87.7	−14.1	8.3	16.4	149.3	3.6	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
910	910_d	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	81.6	−8.4	3.8	9.2	155.5	0.75	0.875	0.75	87.2	−9.9	2.7	10.3	164.7	5.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
911	911_d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.6	0.0	−0.4	0.4	270.1	4.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
912	912_d	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	71.8	8.1	−1.5	8.3	348.9	0.75	0.625	0.75	75.8	9.0	−5.9	10.8	326.6	5.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
913	913_d	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	65.9	16.3	−3.1	16.6	348.9	0.75	0.5	0.75	68.2	19.3	−8.4	21.0	336.3	6.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
914	914_d	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	59.9	24.5	−4.7	24.9	348.9	0.75	0.375	0.75	60.9	27.8	−9.9	29.5	340.2	6.2	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
915	915_d	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	54.0	32.7	−6.3	33.3	348.9	0.75	0.25	0.75	54.4	37.2	−12.4	39.2	341.5	7.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
916	916_d	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	48.0	40.8	−7.9	41.6	348.9	0.75	0.125	0.75	47.9	47.7	−13.2	49.5	344.5	8.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
917	917_d	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	42.1	49.0	−9.5	49.9	348.9	0.75	0.0	0.75	41.5	53.5	−15.6	55.7	343.6	7.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
918	918_d	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	80.2	−25.3	11.5	27.8	155.5	0.625	1.0	0.625	81.7	−21.9	10.5	24.3	154.3	3.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
919	919_d	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	76.4	−16.9	7.7	18.5	155.5	0.625	0.875	0.625	82.1	−17.2	9.2	19.6	151.7	5.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
920	920_d	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	72.6	−8.4	3.8	9.2	155.5	0.625	0.75	0.625	77.8	−10.0	1.7	10.1	169.8	5.7	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
921	921_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.1	0.0	−0.9	0.9	268.7	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
922	922_d	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	62.8	8.1	−1.5	8.3	348.9	0.625	0.5	0.625	65.6	9.6	−6.6	11.7	325.4	5.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
923	923_d	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	56.9	16.3	−3.1	16.6	348.9	0.625	0.375	0.625	57.2	19.8	−8.9	21.7	335.8	6.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
924	924_d	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	50.9	24.5	−4.7	24.9	348.9	0.625	0.25	0.625	50.0	29.9	−11.7	32.1	338.6	8.8	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
925	925_d	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	45.0	32.7	−6.3	33.3	348.9	0.625	0.125	0.625	43.2	39.6	−12.4	41.5	342.5	9.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
926	926_d	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	39.0	40.8	−7.9	41.6	348.9	0.625	0.0	0.625	37.3	48.6	−13.9	50.5	343.9	9.9	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
927	927_d	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	75.0	−33.8	15.4	37.1	155.5	0.5	1.0	0.5	75.2	−29.8	11.7	32.0	158.4	5.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
928	928_d	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	71.2	−25.3	11.5	27.8	155.5	0.5	0.875	0.5	74.3	−28.1	10.0	29.8	160.3	4.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
929	929_d	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	67.4	−16.9	7.7	18.5	155.5	0.5	0.75	0.5	71.8	−17.6	5.6	18.5	162.3	4.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
930	930_d	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	63.6	−8.4	3.8	9.2	155.5	0.5	0.625	0.5	68.1	−10.1	1.4	10.2	171.5	5.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
931	931_d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.3	0.0	−1.1	1.1	271.0	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
932	932_d	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	53.8	8.1	−1.5	8.3	348.9	0.5	0.375	0.5	53.3	10.5	−8.2	13.4	321.9	7.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
933	933_d	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	47.9	16.3	−3.1	16.6	348.9	0.5	0.25	0.5	47.1	21.9	−10.7	24.4	333.8	9.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
934	934_d	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	41.9	24.5	−4.7	24.9	348.9	0.5	0.125	0.5	40.5	32.1	−11.6	34.1	340.0	10.3	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
935	935_d	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	36.0	32.7	−6.3	33.3	348.9	0.5	0.0	0.5	34.7	41.4	−11.9	43.1	343.9	10.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
936	936_d	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	69.9	−42.3	19.2	46.4	155.5	0.375	1.0	0.375	68.6	−39.6	17.6	43.4	156.0	3.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
937	937_d	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	66.0	−33.8	15.4	37.1	155.5	0.375	0.875	0.375	70.2	−36.7	16.1	40.2	156.2	5.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
938	938_d	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	62.2	−25.3	11.5	27.8	155.5	0.375	0.75	0.375	64.6	−28.0	9.1	29.5	162.0	4.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
939	939_d	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	58.4	−16.9	7.7	18.5	155.5	0.375	0.625	0.375	59.6	−21.1	3.4	21.4	170.7	6.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
940	940_d	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	54.6	−8.4	3.8	9.2	155.5	0.375	0.5	0.375	56.1	−10.2	1.5	10.3	171.6	3.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
941	941_d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.6	0.0	−1.1	1.1	268.8	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
942	942_d	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	44.8	8.1	−1.5	8.3	348.9	0.375	0.25	0.375	42.0	12.3	−8.8	15.1	324.4	8.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
943	943_d	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	38.9	16.3	−3.1	16.6	348.9	0.375	0.125	0.375	37.3	23.8	−10.6	26.1	336.0	10.6	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
944	944_d	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	32.9	24.5	−4.7	24.9	348.9	0.375	0.0	0.375	32.2	34.5	−10.8	36.2	342.5	11.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
945	945_d	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	64.7	−50.7	23.1	55.7	155.5	0.25	1.0	0.25	63.0	−50.8	23.7	56.1	154.9	1.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
946	946_d	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	60.9	−42.3	19.2	46.4	155.5	0.25	0.875	0.25	65.0	−47.4	22.1	52.3	155.0	7.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
947	947_d	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	57.0	−33.8	15.4	37.1	155.5	0.25	0.75	0.25	59.1	−37.1	15.4	40.1	157.4	3.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
948	948_d	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	53.2	−25.3	11.5	27.8	155.5	0.25	0.625	0.25	54.0	−30.7	11.4	32.8	159.5	5.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
949	949_d	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	49.4	−16.9	7.7	18.5	155.5	0.25	0.5	0.25	47.5	−23.1	5.6	23.8	166.3	6.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
950	950_d	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	45.6	−8.4	3.8	9.2	155.5	0.25	0.375	0.25	45.0	−12.7	1.6	12.8	172.6	4.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
951	951_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	41.4	0.0	−0.8	0.8	273.1	0.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
952	952_d	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	35.8	8.1	−1.5	8.3	348.9	0.25	0.125	0.25	34.2	13.2	−8.5	15.7	327.1	8.7	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
953	953_d	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	29.9	16.3	−3.1	16.6	348.9	0.25	0.0	0.25	30.1	24.2	−10.5	26.4	336.4	10.8	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
954	954_d	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	59.5	−59.2	26.9	65.0	155.5	0.125	1.0	0.125	57.4	−61.7	27.5	67.5	155.9	3.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
955	955_d	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	55.7	−50.7	23.1	55.7	155.5	0.125	0.875	0.125	59.3	−58.5	27.5	64.6	154.8	9.6	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
956	956_d	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	51.9	−42.3	19.2	46.4	155.5	0.125	0.75	0.125	55.2	−46.1	20.6	50.5	155.9	5.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
957	957_d	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	48.0	−33.8	15.4	37.1	155.5	0.125	0.625	0.125	50.2	−39.7	15.9	42.8	158.0	6.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
958	958_d	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	44.2	−25.3	11.5	27.8	155.5	0.125	0.5	0.125	45.0	−31.7	10.2	33.3	162.0	6.5	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
959	959_d	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	40.4	−16.9	7.7	18.5	155.5	0.125	0.375	0.125	41.1	−24.7	7.0	25.6	164.0	7.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
960	960_d	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	36.6	−8.4	3.8	9.2	155.5	0.125	0.25	0.125	39.8	−12.8	3.1	13.2	166.1	5.4	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
961	961_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.4	0.1	0.0	0.1	353.4	3.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
962	962_d	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	26.8	8.1	−1.5	8.3	348.9	0.125	0.0	0.125	28.8	12.7	−6.6	14.3	332.5	7.0	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
963	963_d	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	1.0	0.0	55.1	−67.3	29.7	73.6	156.1	1.3	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
964	964_d	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	50.5	−59.2	26.9	65.0	155.5	0.0	0.875	0.0	53.2	−71.7	28.9	77.4	158.0	12.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
965	965_d	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	46.7	−50.7	23.1	55.7	155.5	0.0	0.75	0.0	51.2	−73.4	27.7	78.5	159.3	23.5	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
966	966_d	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	42.9	−42.3	19.2	46.4	155.5	0.0	0.625	0.0	48.2	−69.5	26.5	74.4	159.1	28.7	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
967	967_d	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	39.0	−33.8	15.4	37.1	155.5	0.0	0.5	0.0	43.5	−61.7	23.1	65.9	159.4	29.2	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
968	968_d	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	35.2	−25.3	11.5	27.8	155.5	0.0	0.375	0.0	39.2	−37.6	14.0	40.2	159.6	13.1	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
969	969_d	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	31.4	−16.9	7.7	18.5	155.5	0.0	0.25	0.0	36.4	−24.0	5.6	24.6	166.7	8.9	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
970	970_d	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	27.6	−8.4	3.8	9.2	155.5	0.0	0.125	0.0	34.9	−10.6	3.3	11.1	162.7	7.6	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
971	971_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	0.2	0.3	0.4	54.5	0.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
																								delta ***E**'** **=**	***6.7***									

2−0031930−F0

PS490−7N, 20/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

2−0031930−F0

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			$h_{si\_F,d}$	*rgb*$*_{Fd}$			*LabCh*$*_{Fd}$					*rgb*$*'_{Fd}$			*LabCh*$*'_{Fd}$					*DE*$*'_{Fd}$	$h_{siM,d}$	*rgb*$*_{Md}$			*LabCh*$*_{Md}$				
972	972_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	49.6	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
973	973_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	26.8	0.0	−0.3	0.3	272.9	5.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
974	974_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.6	0.0	−1.0	1.0	266.3	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
975	975_d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	50.3	0.0	−1.1	1.1	265.7	1.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
976	976_d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	60.6	0.0	−1.1	1.1	268.6	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
977	977_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.2	0.0	−1.0	1.0	266.5	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
978	978_d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.1	0.0	−0.6	0.6	266.9	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
979	979_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.4	0.0	−0.2	0.2	248.8	4.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
980	980_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.9	−0.1	−0.1	0.2	233.6	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
981	981_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	0.1	−0.1	0.1	320.1	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
982	982_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.4	0.0	−0.3	0.3	273.4	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
983	983_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	40.5	0.0	−1.1	1.1	267.1	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
984	984_d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	50.9	0.0	−1.2	1.2	268.0	1.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
985	985_d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.3	0.0	−1.2	1.2	269.0	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
986	986_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.8	0.0	−1.1	1.1	268.3	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
987	987_d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.1	0.0	−0.6	0.6	269.6	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
988	988_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.9	0.0	−0.2	0.3	264.1	5.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
989	989_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.9	−0.1	0.0	0.1	206.3	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
990	990_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.1	0.1	60.9	0.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
991	991_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.8	0.0	−0.3	0.3	283.8	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
992	992_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.9	0.0	−1.0	1.0	268.4	2.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
993	993_d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.0	0.0	−1.1	1.1	270.7	1.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
994	994_d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	60.9	0.0	−1.0	1.0	270.4	1.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
995	995_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.5	0.0	−1.1	1.1	271.0	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
996	996_d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.1	0.0	−0.5	0.6	273.6	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
997	997_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.9	0.0	−0.3	0.3	275.0	5.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
998	998_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.1	−0.1	0.1	228.6	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
999	999_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.0	0.1	0.1	67.1	2.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1000	1000_d	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	26.0	0.0	−0.2	0.2	280.7	6.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1001	1001_d	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.5	0.0	−0.8	0.8	266.7	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1002	1002_d	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	50.1	0.0	−1.0	1.0	267.9	1.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1003	1003_d	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	60.3	0.0	−0.9	0.9	268.1	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1004	1004_d	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.2	0.0	−1.0	1.0	268.5	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1005	1005_d	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.9	0.0	−0.5	0.5	268.1	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1006	1006_d	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.7	0.0	−0.1	0.1	258.6	4.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1007	1007_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.2	0.0	0.2	162.0	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1008	1008_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.3	0.3	84.0	6.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1009	1009_d	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	19.7	0.1	0.2	0.2	63.9	8.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1010	1010_d	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.3	0.0	−0.8	0.8	265.4	5.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1011	1011_d	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	36.6	−0.1	−1.3	1.3	264.5	2.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1012	1012_d	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	43.7	0.0	−1.2	1.2	265.5	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1013	1013_d	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	50.0	0.0	−1.0	1.0	270.1	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1014	1014_d	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	53.7	0.0	−1.0	1.0	268.9	1.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1015	1015_d	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	59.7	0.0	−1.2	1.2	267.1	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1016	1016_d	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	65.4	0.0	−1.1	1.1	268.4	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1017	1017_d	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.4	0.0	−1.0	1.0	269.4	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1018	1018_d	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	75.6	0.0	−0.8	0.8	267.4	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1019	1019_d	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.0	0.0	−0.4	0.4	263.3	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1020	1020_d	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.5	0.0	−0.1	0.1	258.0	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1021	1021_d	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.1	0.0	0.0	0.0	216.7	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1022	1022_d	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.933	0.933	0.933	94.2	0.0	0.0	0.0	173.3	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1023	1023_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	0.0	0.0	305.0	0.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1024	1024_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.2	0.2	69.9	5.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1025	1025_d	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	21.7	0.1	0.0	0.1	12.0	6.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1026	1026_d	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	29.3	0.0	−0.9	0.9	267.1	4.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1027	1027_d	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	37.8	0.0	−1.2	1.2	266.4	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1028	1028_d	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	44.9	0.0	−1.3	1.3	267.8	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1029	1029_d	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	50.3	0.0	−1.1	1.1	270.1	2.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1030	1030_d	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	54.5	0.0	−1.1	1.1	269.6	2.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1031	1031_d	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	60.5	0.0	−1.3	1.3	268.9	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1032	1032_d	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	66.1	0.0	−1.1	1.1	268.9	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1033	1033_d	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.6	0.0	−1.1	1.1	270.8	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1034	1034_d	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	76.0	0.0	−0.9	0.9	269.6	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1035	1035_d	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.1	0.0	−0.5	0.5	269.9	4.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1036	1036_d	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.8	0.0	−0.2	0.2	269.3	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1037	1037_d	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.6	0.0	−0.1	0.1	248.4	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1038	1038_d	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.933	0.933	0.933	94.2	−0.1	0.0	0.1	208.1	3.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1039	1039_d	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	−0.2	0.0	0.2	166.5	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1040	1040_d	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	0.1	0.2	0.2	63.5	4.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1041	1041_d	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	22.2	0.1	0.1	0.2	54.5	6.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1042	1042_d	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	29.5	0.0	−0.7	0.7	271.7	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1043	1043_d	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	37.3	0.0	−1.1	1.1	266.3	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1044	1044_d	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	44.7	0.0	−1.1	1.1	269.8	2.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1045	1045_d	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	50.3	0.0	−0.8	0.8	273.6	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1046	1046_d	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	54.2	0.0	−1.0	1.0	275.3	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1047	1047_d	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	59.3	0.0	−1.1	1.1	270.4	2.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1048	1048_d	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	65.8	0.0	−1.0	1.0	274.3	3.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1049	1049_d	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.3	0.0	−0.9	0.9	272.4	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1050	1050_d	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	75.7	0.0	−0.8	0.8	273.0	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1051	1051_d	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.1	0.0	−0.4	0.4	271.3	4.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1052	1052_d	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.7	0.0	−0.3	0.3	279.0	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
																								delta $E*'$ =	*3.2*									

2−0032030−F0

PS490−7N, 21/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E*'$, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> rgb_d
salida: transfiera a $cmyk_d$

n	HIC*$_{Fd}$	*rgb*$_{\_Fd}$			*ict*$_{\_Fd}$			*h*$_{si\_F,d}$	*rgb**$_{Fd}$			*LabCh**$_{Fd}$					*rgb**'$_{Fd}$			*LabCh**'$_{Fd}$					*DE**'$_{Fd}$	*h*$_{siM,d}$	*rgb**$_{Md}$			*LabCh**$_{Md}$				
1053	1053$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.6	0.0	−0.1	0.1	266.5	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1054	1054$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.933	0.933	0.933	94.4	0.0	−0.2	0.2	278.1	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1055	1055$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	152.8	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1056	1056$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	0.0	0.2	0.2	83.2	5.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1057	1057$_d$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	21.5	0.1	0.1	0.2	48.9	7.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1058	1058$_d$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.9	0.0	−0.7	0.7	268.2	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1059	1059$_d$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	37.3	0.0	−1.1	1.1	267.2	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1060	1060$_d$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	44.2	0.0	−1.1	1.1	269.1	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1061	1061$_d$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	49.9	0.0	−0.8	0.8	274.5	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1062	1062$_d$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	53.8	0.0	−0.9	0.9	273.2	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1063	1063$_d$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	59.7	0.0	−1.1	1.1	268.9	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1064	1064$_d$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	65.4	0.0	−0.9	0.9	273.1	3.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1065	1065$_d$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.2	0.0	−0.8	0.8	268.8	3.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1066	1066$_d$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	75.5	0.0	−0.7	0.7	271.9	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1067	1067$_d$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	80.8	0.0	−0.4	0.4	265.0	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1068	1068$_d$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.3	0.0	−0.3	0.3	279.5	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1069	1069$_d$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.2	0.0	0.0	0.0	252.2	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1070	1070$_d$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.933	0.933	0.933	94.2	0.0	−0.2	0.2	289.2	3.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1071	1071$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.8	0.0	0.0	0.1	331.9	0.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1072	1072$_d$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.2	0.1	0.2	0.2	58.1	4.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1073	1073$_d$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	−0.2	0.2	284.6	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1074	1074$_d$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	1.0	0.0	0.0	47.0	56.3	40.2	69.2	35.5	2.6	389	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4
1075	1075$_d$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	0.0	1.0	1.0	54.9	−30.4	−42.0	51.8	234.0	2.1	210	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1
1076	1076$_d$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	1.0	1.0	0.0	91.5	−16.0	86.1	87.6	100.5	1.5	89	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5
1077	1077$_d$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	0.0	0.0	1.0	30.7	21.3	−44.1	49.0	295.7	4.7	270	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8
1078	1078$_d$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	0.0	1.0	0.0	54.6	−69.2	33.1	76.7	154.3	2.8	149	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5
1079	1079$_d$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	1.0	0.0	1.0	48.3	66.3	−13.8	67.7	348.1	1.4	330	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9
																								delta E*' =	3.0									

2−0032130−F0

PS490−7N, 22/22−F

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

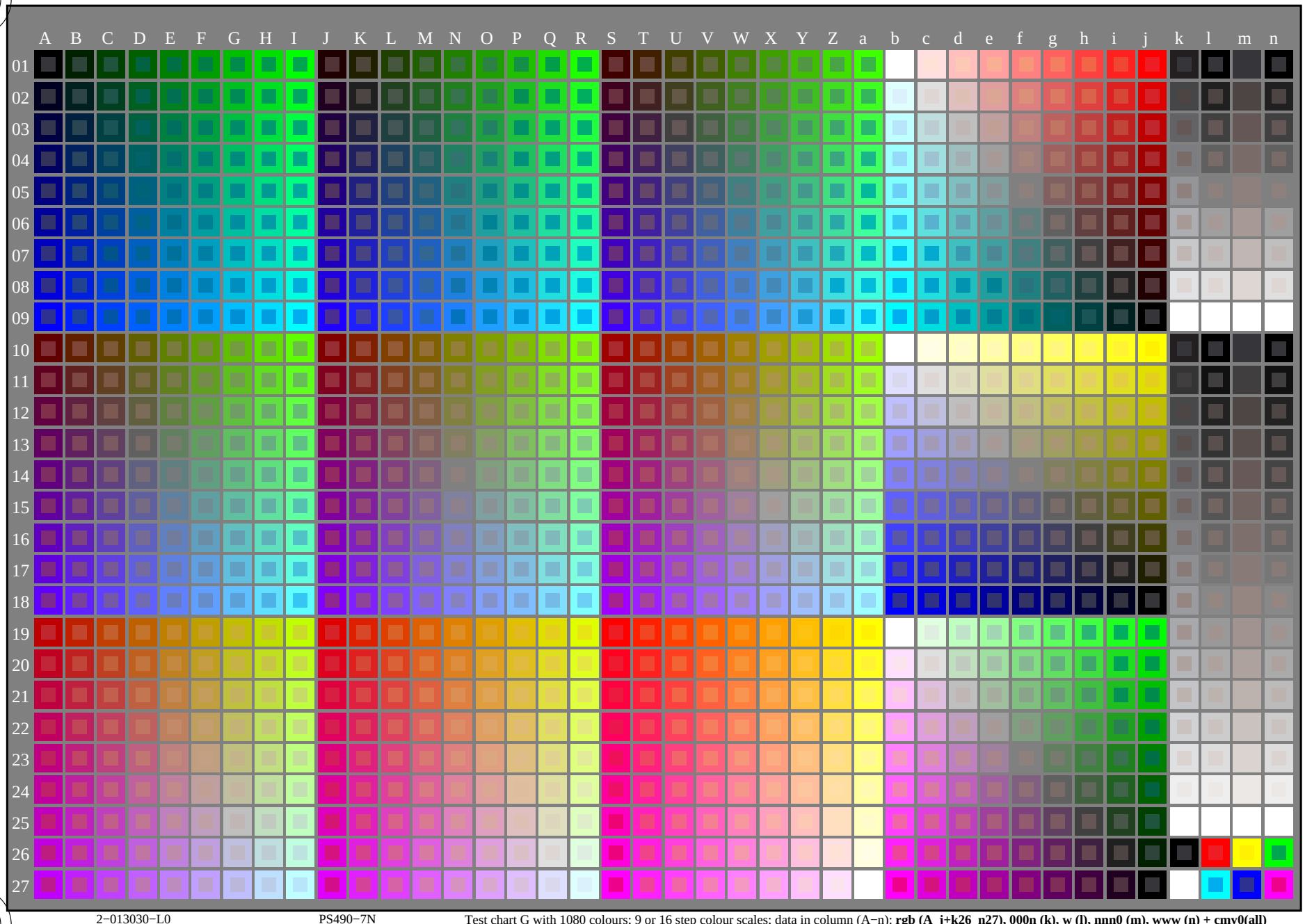
TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=0, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_d$
salida: transfiera a *cmyk*$_d$

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; comience salida
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 1/22



vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser

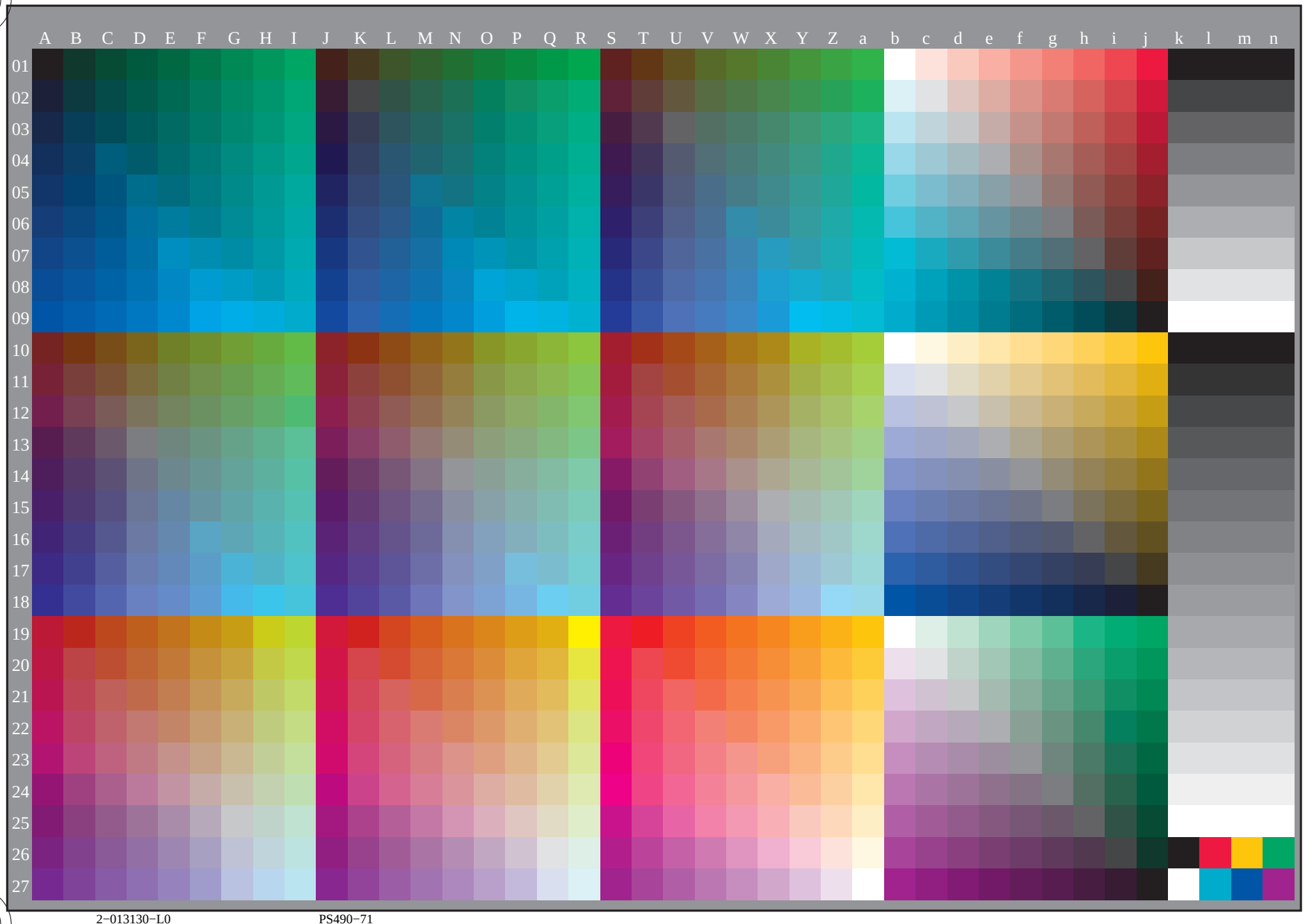
TUB material: code=rha4ta

2−013030−L0 PS490−7N Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A−n): **rgb (A_j+k26_n27), 000n (k), w (l), nnn0 (m), www (n) + cmy0(all)**

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar; tecnología de imagen

entrada: *rgb/cmyk −> rgb/cmyk*
salida: ningún cambio

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 2/22



vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

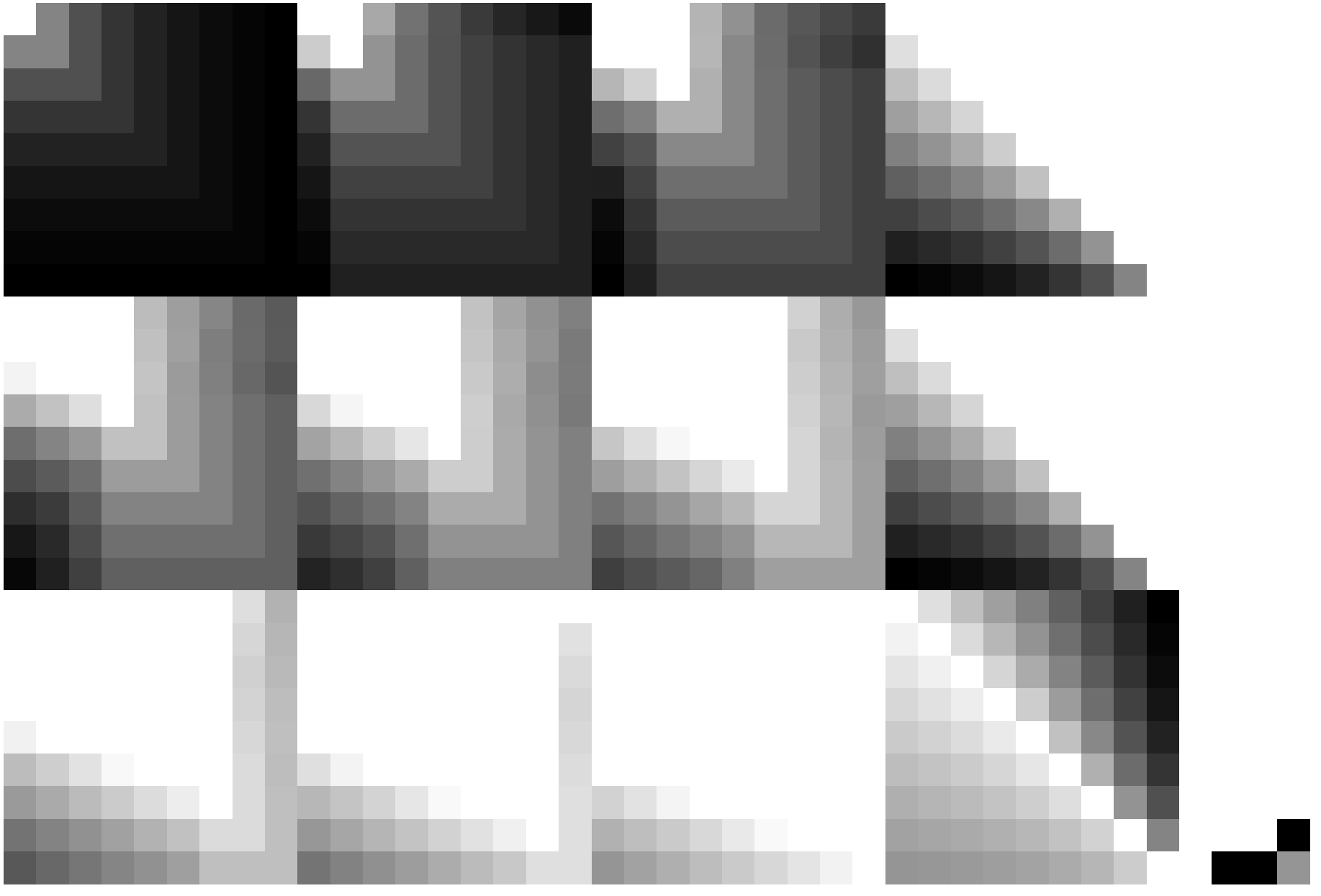
TUB material: code=rha4ta

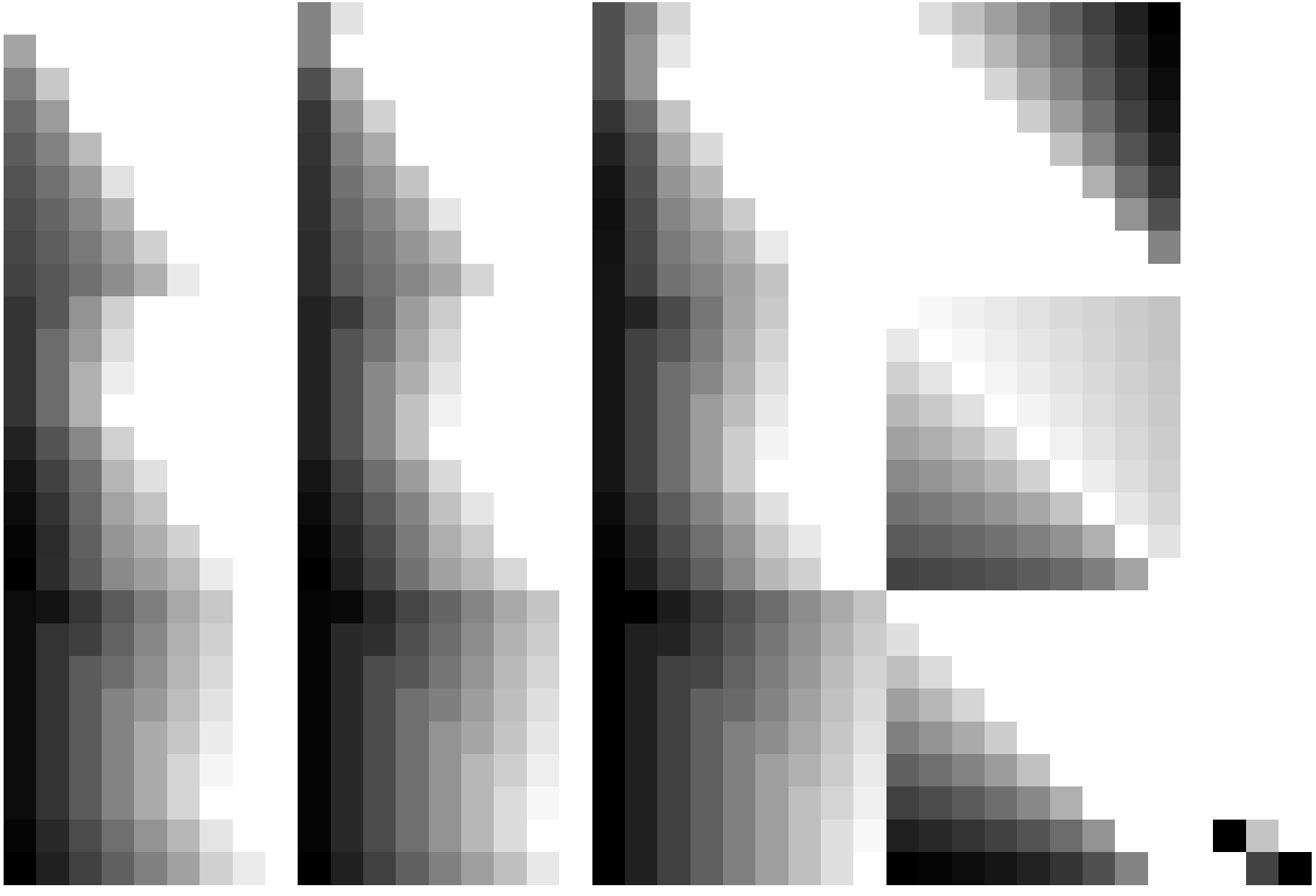
2-013130-L0 PS490-71

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

2-013130-F0

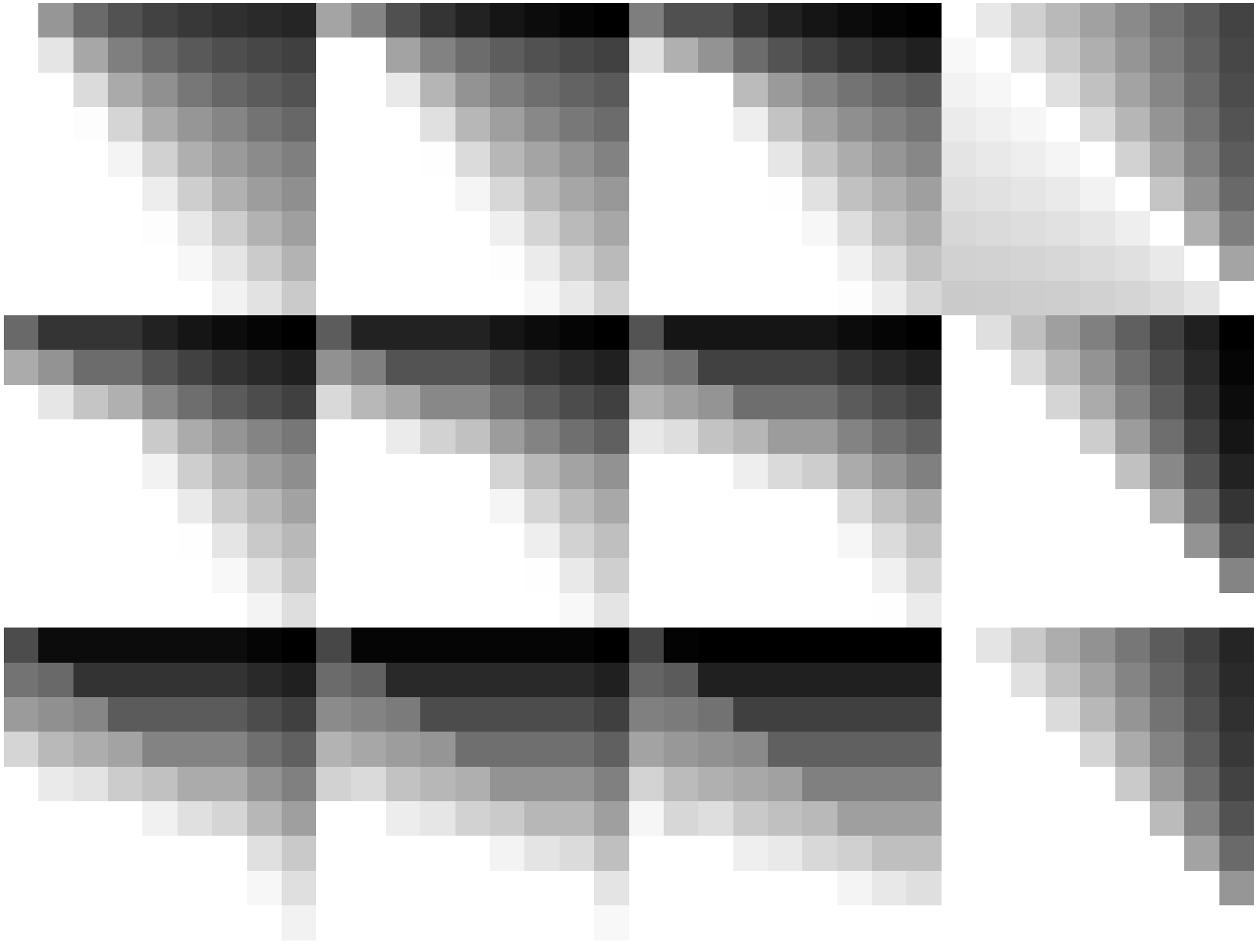


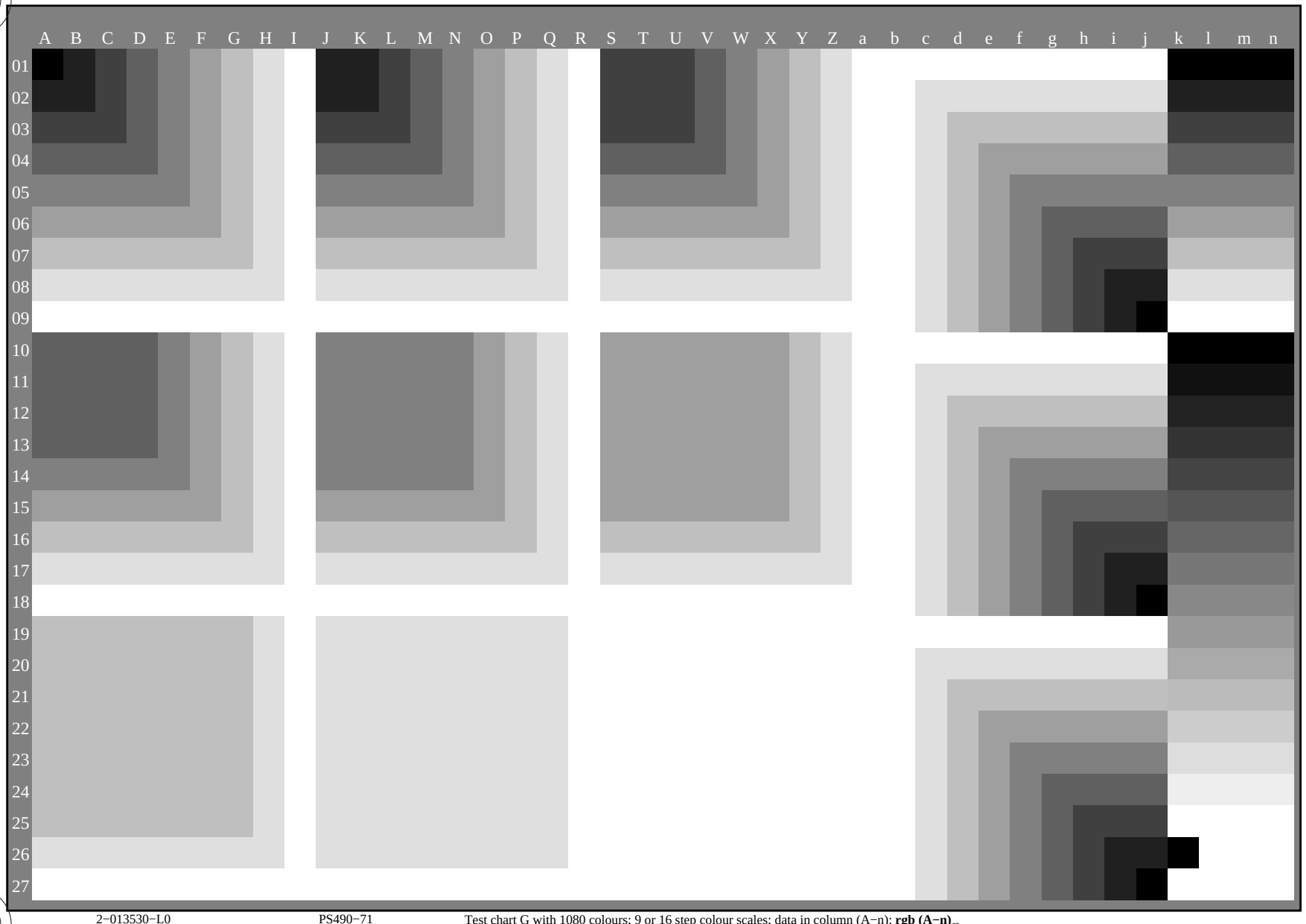


2-013330-L0 PS490-71

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$





2−013530−L0 PS490−71 Test chart G with 1080 colours; 9 or 16 step colour scales; data in column (A−n): **rgb (A−n)**

gráfico TUB-PS49; gráfico para la prueba
1080 colores del estándar, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk −> rgb*$_e$
salida: transfiera a *cmyk*$_e$

n/j	HIC*$_{Fe}$	*rgb*$_{Fe}$			*ict*$_{Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$			
0/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	11.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
1/657	R13Y_100_100$_e$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.0	0.012	47.5	57.1	37.5	68.3	33.2	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1	12.8	389	1.0	0.0	0.012	47.5	57.1	37.5	68.3	33.2
2/666	R25Y_100_100$_e$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	16.4	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
3/675	R38Y_100_100$_e$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.216	0.0	56.5	45.2	53.8	70.3	49.9	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7	18.5	41	1.0	0.216	0.0	56.5	45.2	53.8	70.3	49.9
4/684	R50Y_100_100$_e$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	19.8	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
5/693	R63Y_100_100$_e$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.425	0.0	67.0	25.7	63.0	68.0	67.8	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7	18.0	55	1.0	0.425	0.0	67.0	25.7	63.0	68.0	67.8
6/702	R75Y_100_100$_e$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7	1.0	0.75	0.0	82.9	−2.0	76.9	77.0	91.5	22.7	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
7/711	R88Y_100_100$_e$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.668	0.0	77.7	7.0	73.1	73.5	84.5	1.0	0.875	0.0	87.6	−9.0	75.7	76.3	96.8	19.0	70	1.0	0.668	0.0	77.7	7.0	73.1	73.5	84.5
8/720	Y00G_100_100$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	16.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
9/639	Y13G_100_100$_e$	0.875	1.0	0.0	1.0	1.0	0.5	97	1.0	0.995	0.0	91.4	−15.5	84.4	85.8	100.4	0.875	1.0	0.0	92.8	−18.1	89.4	91.2	101.4	5.8	89	1.0	0.995	0.0	91.4	−15.5	84.4	85.8	100.4
10/558	Y25G_100_100$_e$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6	0.75	1.0	0.0	90.1	−21.3	86.0	88.6	103.9	10.0	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
11/477	Y38G_100_100$_e$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.595	1.0	0.0	77.7	−34.4	64.9	73.5	117.9	0.625	1.0	0.0	79.9	−31.7	67.9	75.0	115.0	4.5	113	0.595	1.0	0.0	77.7	−34.4	64.9	73.5	117.9
12/396	Y50G_100_100$_e$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.0	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
13/315	Y63G_100_100$_e$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.351	1.0	0.0	65.4	−49.4	46.7	68.0	136.5	0.375	1.0	0.0	66.5	−47.5	48.0	67.6	134.7	2.5	129	0.351	1.0	0.0	65.4	−49.4	46.7	68.0	136.5
14/234	Y75G_100_100$_e$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9	0.25	1.0	0.0	60.6	−57.2	40.4	70.1	144.7	1.5	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
15/153	Y88G_100_100$_e$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.04	1.0	0.0	55.2	−65.9	32.0	73.3	154.0	0.125	1.0	0.0	57.0	−62.2	34.4	71.1	151.0	4.7	147	0.04	1.0	0.0	55.2	−65.9	32.0	73.3	154.0
16/72	G00C_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	9.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
17/73	G13C_100_100$_e$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.251	53.7	−63.1	12.7	64.3	168.6	0.0	1.0	0.125	53.8	−66.4	23.0	70.2	160.8	10.8	163	0.0	1.0	0.251	53.7	−63.1	12.7	64.3	168.6
18/74	G25C_100_100$_e$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0	0.0	1.0	0.25	53.7	−63.1	12.8	64.4	168.5	8.2	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
19/75	G38C_100_100$_e$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.404	54.8	−55.6	−2.2	55.7	182.3	0.0	1.0	0.375	54.7	−56.8	0.0	56.8	179.9	2.5	173	0.0	1.0	0.404	54.8	−55.6	−2.2	55.7	182.3
20/76	G50C_100_100$_e$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.2	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
21/77	G63C_100_100$_e$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.56	55.1	−48.2	−14.6	50.4	196.9	0.0	1.0	0.625	55.3	−44.1	−20.0	48.5	204.4	6.7	183	0.0	1.0	0.56	55.1	−48.2	−14.6	50.4	196.9
22/78	G75C_100_100$_e$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2	0.0	1.0	0.75	55.2	−39.5	−27.1	47.9	214.4	8.6	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
23/79	G88C_100_100$_e$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.701	55.2	−41.4	−24.5	48.1	210.5	0.0	1.0	0.875	54.4	−36.7	−33.0	49.4	221.9	9.7	193	0.0	1.0	0.701	55.2	−41.4	−24.5	48.1	210.5
24/80	C00B_100_100$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	16.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
25/71	C13B_100_100$_e$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.888	54.3	−36.1	−34.1	49.7	223.3	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9	13.4	204	0.0	1.0	0.888	54.3	−36.1	−34.1	49.7	223.3
26/62	C25B_100_100$_e$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7	0.0	0.75	1.0	52.9	−25.9	−47.5	54.1	241.3	11.1	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
27/53	C38B_100_100$_e$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.915	1.0	53.1	−28.6	−44.2	52.6	237.0	0.0	0.625	1.0	50.5	−20.8	−49.5	53.7	247.2	9.8	214	0.0	0.915	1.0	53.1	−28.6	−44.2	52.6	237.0
28/44	C50B_100_100$_e$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	11.4	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
29/35	C63B_100_100$_e$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.552	1.0	48.0	−16.4	−49.6	52.2	251.6	0.0	0.375	1.0	41.4	−6.3	−49.2	49.6	262.6	12.0	236	0.0	0.552	1.0	48.0	−16.4	−49.6	52.2	251.6
30/26	C75B_100_100$_e$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9	0.0	0.25	1.0	36.8	2.2	−48.5	48.6	272.6	13.7	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
31/17	C88B_100_100$_e$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.341	1.0	40.1	−4.0	−49.2	49.4	265.3	0.0	0.125	1.0	35.0	9.4	−46.3	47.3	281.4	14.6	250	0.0	0.341	1.0	40.1	−4.0	−49.2	49.4	265.3
32/8	B00M_100_100$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	16.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
33/89	B13M_100_100$_e$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.168	1.0	35.7	6.9	−47.2	47.7	278.3	0.125	0.0	1.0	31.6	23.6	−42.2	48.4	299.2	17.8	260	0.0	0.168	1.0	35.7	6.9	−47.2	47.7	278.3
34/170	B25M_100_100$_e$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0	0.25	0.0	1.0	31.0	30.5	−39.3	49.8	307.8	19.6	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
35/251	B38M_100_100$_e$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.026	0.0	1.0	32.3	18.3	−44.1	47.8	292.5	0.375	0.0	1.0	34.2	38.2	−35.0	51.8	317.5	21.9	271	0.026	0.0	1.0	32.3	18.3	−44.1	47.8	292.5
36/332	B50M_100_100$_e$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	22.5	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
37/413	B63M_100_100$_e$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.249	0.0	1.0	31.0	30.5	−39.4	49.8	307.7	0.625	0.0	1.0	39.1	48.4	−27.2	55.6	330.6	23.1	283	0.249	0.0	1.0	31.0	30.5	−39.4	49.8	307.7
38/494	B75M_100_100$_e$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3	0.75	0.0	1.0	41.8	55.1	−21.4	59.1	338.7	25.1	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
39/575	B88M_100_100$_e$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.455	0.0	1.0	36.1	41.4	−32.4	52.6	321.9	0.875	0.0	1.0	45.6	60.1	−17.3	62.6	343.9	25.8	297	0.455	0.0	1.0	36.1	41.4	−32.4	52.6	321.9
40/656	M00R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	26.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
41/655	M13R_100_100$_e$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.696	0.0	1.0	40.6	52.3	−24.1	57.6	335.2	1.0	0.0	0.875	49.5	66.1	−10.7	67.0	350.7	21.1	312	0.696	0.0	1.0	40.6	52.3	−24.1	57.6	335.2
42/654	M25R_100_100$_e$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8	1.0	0.0	0.75	49.3	64.5	−6.5	64.8	354.2	14.9	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
43/653	M38R_100_100$_e$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.964	48.5	65.6	−12.2	66.7	349.4	1.0	0.0	0.625	48.0	61.8	2.1	61.8	361.9	14.8	331	1.0	0.0	0.964	48.5	65.6	−12.2	66.7	349.4
44/652	M50R_100_100$_e$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	370.0	20.7	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
45/651	M63R_100_100$_e$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.641	48.1	62.2	1.0	62.2	0.9	1.0	0.0	0.375	47.4	56.8	19.5	60.0	378.9	19.2	350	1.0	0.0	0.641	48.1	62.2	1.0	62.2	0.9
46/650	M75R_100_100$_e$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8	1.0	0.0	0.25	47.5	55.9	27.5	62.3	386.2	17.5	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
47/649	M88R_100_100$_e$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.392	47.4	57.2	18.2	60.0	17.6	1.0	0.0	0.125	47.6	56.3	34.2	65.9	391.3	16.0	367	1.0	0.0	0.392	47.4	57.2	18.2	60.0	17.6
48/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	393.4	11.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
49/0	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.9	54.3	49.2	73.2	402.1	78.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
50/91	NW_013$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	23.8	0.0	0.0	0.0	0.0	8.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
51/182	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	27.8	0.0	−0.5	0.5	273.6	14.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
52/273	NW_038$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	39.8	−0.1	−1.2	1.2	265.1	11.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
53/364	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	51.9	0.0	−1.3	1.3	267.6	7.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
54/455	NW_063$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	61.2	0.0	−1.2	1.2	268.4	7.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
55/546	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	72.6	0.0	−1.0	1.0	269.8	5.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
56/637	NW_088$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	80.4	0.0	−0.3	0.3	272.2	6.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
57/728	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	90.8	0.0	−0.1	0.1	266.5	4.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = *14.2***

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

2−013630−F0

n/j	HIC*$_{Fe}$	*rgb*$_{Fe}$			*ict*$_{Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$				*DE**'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$			
0/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	11.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
1/666	R25Y_100_100$_e$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	16.4	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
2/684	R50Y_100_100$_e$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	19.8	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
3/702	R75Y_100_100$_e$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7	1.0	0.75	0.0	82.9	−2.0	76.9	77.0	91.5	22.7	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
4/720	Y00G_100_100$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	16.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
5/558	Y25G_100_100$_e$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6	0.75	1.0	0.0	90.1	−21.3	86.0	88.6	103.9	10.0	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
6/396	Y50G_100_100$_e$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.0	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
7/234	Y75G_100_100$_e$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9	0.25	1.0	0.0	60.6	−57.2	40.4	70.1	144.7	1.5	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
8/72	G00B_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	9.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
9/72	G00B_100_100$_e$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	9.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
10/76	G25B_100_100$_e$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.2	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
11/80	G50B_100_100$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	16.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
12/44	G75B_100_100$_e$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	11.4	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
13/8	B00M_100_100$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	16.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
14/332	B25R_100_100$_e$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	22.5	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
15/656	B50R_100_100$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	26.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
16/652	B75R_100_100$_e$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	20.7	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
17/648	R00Y_100_100$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	11.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
18/688	R00Y_100_050$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	71.6	28.0	13.3	31.0	25.4	1.0	0.5	0.5	71.4	24.0	27.4	36.4	48.8	14.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
19/706	R50Y_100_050$_e$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.659	0.5	78.8	17.6	29.2	34.1	58.8	1.0	0.75	0.5	83.6	2.8	39.3	39.4	85.7	18.5	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
20/724	Y00G_100_050$_e$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.884	0.5	89.7	−1.5	38.4	38.4	92.3	1.0	1.0	0.5	93.1	−11.8	45.5	47.0	104.6	12.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
21/562	Y50G_100_050$_e$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.4	−20.8	27.4	34.4	127.2	0.75	1.0	0.5	86.2	−21.9	37.8	43.7	120.1	10.8	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
22/400	G00B_100_050$_e$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.573	74.8	−32.9	10.5	34.6	162.2	0.5	1.0	0.5	74.1	−30.5	11.7	32.6	158.9	2.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
23/404	G50B_100_050$_e$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.895	75.4	−19.3	−14.5	24.2	216.9	0.5	1.0	1.0	73.7	−17.1	−27.4	32.3	238.0	13.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
24/368	B00R_100_050$_e$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.63	1.0	66.5	0.7	−24.3	24.3	271.7	0.5	0.5	1.0	54.8	11.5	−32.2	34.2	289.7	17.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
25/692	B50R_100_050$_e$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.792	0.5	1.0	67.1	23.3	−14.2	27.3	328.6	1.0	0.5	1.0	71.6	36.1	−8.9	37.2	346.1	14.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
26/688	R00Y_100_050$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	71.6	28.0	13.3	31.0	25.4	1.0	0.5	0.5	71.4	24.0	27.4	36.4	48.8	14.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
27/506	R00Y_075_050$_e$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	53.7	28.0	13.3	31.0	25.4	0.75	0.25	0.25	52.4	27.1	25.3	37.1	43.0	12.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
28/524	R50Y_075_050$_e$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.409	0.25	60.8	17.6	29.2	34.1	58.8	0.75	0.5	0.25	66.1	6.5	36.1	36.6	79.7	14.0	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
29/542	Y00G_075_050$_e$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.634	0.25	71.7	−1.5	38.4	38.4	92.3	0.75	0.75	0.25	81.7	−11.5	50.7	52.0	102.8	18.7	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
30/380	Y50G_075_050$_e$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	65.4	−20.8	27.4	34.4	127.2	0.5	0.75	0.25	70.5	−23.0	31.5	39.0	126.1	6.8	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
31/218	G00B_075_050$_e$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.323	56.8	−32.9	10.5	34.6	162.2	0.25	0.75	0.25	57.2	−36.4	13.9	39.0	159.0	4.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
32/222	G50B_075_050$_e$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.645	57.4	−19.3	−14.5	24.2	216.9	0.25	0.75	0.75	60.1	−19.6	−29.7	35.6	236.5	15.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
33/186	B00R_075_050$_e$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.38	0.75	48.5	0.7	−24.3	24.3	271.7	0.25	0.25	0.75	43.1	11.1	−34.5	36.3	287.8	15.5	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
34/510	B50R_075_050$_e$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.542	0.25	0.75	49.1	23.3	−14.2	27.3	328.6	0.75	0.25	0.75	53.9	38.1	−12.4	40.1	341.9	15.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
35/506	R00Y_075_050$_e$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	53.7	28.0	13.3	31.0	25.4	0.75	0.25	0.25	52.4	27.1	25.3	37.1	43.0	12.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
36/324	R00Y_050_050$_e$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	35.7	28.0	13.3	31.0	25.4	0.5	0.0	0.0	33.0	34.7	23.4	41.8	34.0	12.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
37/342	R50Y_050_050$_e$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.159	0.0	42.8	17.6	29.2	34.1	58.8	0.5	0.25	0.0	42.9	9.5	37.9	39.1	75.8	11.8	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
38/360	Y00G_050_050$_e$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.384	0.0	53.7	−1.5	38.4	38.4	92.3	0.5	0.5	0.0	58.4	−9.8	54.3	55.2	100.3	18.5	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
39/198	Y50G_050_050$_e$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	47.4	−20.8	27.4	34.4	127.2	0.25	0.5	0.0	43.9	−28.1	32.6	43.1	130.7	9.6	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
40/36	G00B_050_050$_e$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.073	38.8	−32.9	10.5	34.6	162.2	0.0	0.5	0.0	42.9	−59.6	21.5	63.4	160.1	29.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
41/40	G50B_050_050$_e$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.395	39.4	−19.3	−14.5	24.2	216.9	0.0	0.5	0.5	44.1	−23.4	−34.5	41.7	235.7	20.9	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
42/4	B00R_050_050$_e$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.13	0.5	30.5	0.7	−24.3	24.3	271.7	0.0	0.0	0.5	30.3	13.1	−38.9	41.0	288.6	19.1	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
43/328	B50R_050_050$_e$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.292	0.0	0.5	31.1	23.3	−14.2	27.3	328.6	0.5	0.0	0.5	35.4	43.7	−12.1	45.3	344.4	20.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
44/324	R00Y_050_050$_e$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	35.7	28.0	13.3	31.0	25.4	0.5	0.0	0.0	33.0	34.7	23.4	41.8	34.0	12.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
45/0	NW_000$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
46/91	NW_013$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.8	0.0	−0.5	0.5	273.6	5.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
47/182	NW_025$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.8	−0.1	−1.2	1.2	265.1	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
48/273	NW_038$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.9	0.0	−1.3	1.3	267.6	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
49/364	NW_050$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.2	0.0	−1.2	1.2	268.4	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
50/455	NW_063$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.6	0.0	−1.0	1.0	269.8	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
51/546	NW_075$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.4	0.0	−0.3	0.3	272.2	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
52/637	NW_088$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	90.8	0.0	−0.1	0.1	266.5	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
53/728	NW_100$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = *12.1***

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

2−013730−F0

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n=j	HIC^*_{Fe}	$rgb_{\_Fe}$			$ict_{\_Fe}$			$h_{si\_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$				
0	0_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0
1	1_e	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.032	0.125	25.5	0.1	−6.0	6.0	271.7
2	2_e	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.065	0.25	27.2	0.3	−12.1	12.1	271.7
3	3_e	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.097	0.375	28.8	0.5	−18.2	18.2	271.7
4	4_e	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.13	0.5	30.5	0.7	−24.3	24.3	271.7
5	5_e	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.163	0.625	32.2	0.9	−30.4	30.4	271.7
6	6_e	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.195	0.75	33.9	1.1	−36.5	36.5	271.7
7	7_e	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.228	0.875	35.6	1.2	−42.6	42.6	271.7
8	8_e	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
9	9_e	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.5	−8.2	2.6	8.6	162.2
10	10_e	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.098	27.7	−4.8	−3.6	6.0	216.9
11	11_e	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.171	0.25	30.8	−5.8	−12.1	13.4	244.3
12	12_e	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.19	0.375	32.3	−5.1	−18.5	19.2	254.3
13	13_e	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.217	0.5	33.7	−4.8	−24.7	25.1	258.9
14	14_e	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.244	0.625	35.1	−4.5	−30.8	31.1	261.6
15	15_e	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.273	0.75	36.7	−4.1	−36.9	37.1	263.5
16	16_e	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.308	0.875	38.5	−4.1	−43.1	43.3	264.4
17	17_e	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.341	1.0	40.1	−4.0	−49.2	49.4	265.3
18	18_e	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.036	31.3	−16.4	5.2	17.3	162.2
19	19_e	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.124	31.6	−12.9	−2.1	13.0	189.6
20	20_e	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.197	31.6	−9.6	−7.2	12.1	216.9
21	21_e	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.375	0.372	34.8	−11.4	−15.9	19.6	234.3
22	22_e	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.343	0.5	37.7	−11.6	−24.3	26.9	244.3
23	23_e	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.354	0.625	39.2	−10.8	−31.0	32.8	250.7
24	24_e	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.381	0.75	40.8	−10.3	−37.0	38.5	254.3
25	25_e	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.406	0.875	42.1	−9.8	−43.2	44.4	257.1
26	26_e	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
27	27_e	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.055	35.0	−24.7	7.9	25.9	162.2
28	28_e	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.138	35.4	−21.4	0.1	21.4	179.5
29	29_e	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.218	35.6	−17.5	−6.2	18.6	199.6
30	30_e	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.296	35.5	−14.5	−10.9	18.1	216.9
31	31_e	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.5	0.474	38.7	−16.5	−19.5	25.6	229.7
32	32_e	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.547	0.625	42.1	−17.4	−27.9	32.9	237.9
33	33_e	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.514	0.75	44.7	−17.5	−36.4	40.4	244.3
34	34_e	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.522	0.875	46.3	−16.7	−43.4	46.5	248.9
35	35_e	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.552	1.0	48.0	−16.4	−49.6	52.2	251.6
36	36_e	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.073	38.8	−32.9	10.5	34.6	162.2
37	37_e	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.16	39.0	−29.9	2.6	30.0	175.0
38	38_e	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.248	39.4	−25.8	−4.3	26.1	189.6
39	39_e	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.311	39.6	−22.1	−9.9	24.2	204.2
40	40_e	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.395	39.4	−19.3	−14.5	24.2	216.9
41	41_e	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.625	0.576	42.6	−21.5	−23.1	31.6	227.0
42	42_e	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.75	0.744	45.8	−22.8	−31.8	39.2	234.3
43	43_e	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.707	0.875	49.3	−23.5	−40.4	46.8	239.7
44	44_e	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
45	45_e	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.091	42.5	−41.2	13.2	43.2	162.2
46	46_e	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.181	42.7	−38.3	5.2	38.7	172.2
47	47_e	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.26	43.2	−34.5	−1.9	34.5	183.2
48	48_e	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.345	43.4	−30.4	−8.7	31.6	195.9
49	49_e	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.41	43.5	−26.9	−13.6	30.2	206.9
50	50_e	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.494	43.3	−24.1	−18.2	30.2	216.9
51	51_e	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.75	0.679	46.5	−26.5	−26.7	37.6	225.1
52	52_e	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.875	0.845	49.7	−28.1	−35.4	45.2	231.5
53	53_e	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.915	1.0	53.1	−28.6	−44.2	52.6	237.0
54	54_e	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.11	46.3	−49.4	15.8	51.9	162.2
55	55_e	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.203	46.4	−46.7	7.8	47.3	170.4
56	56_e	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.277	47.0	−42.8	0.3	42.8	179.5
57	57_e	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.373	47.2	−38.7	−6.5	39.2	189.6
58	58_e	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.437	47.4	−35.1	−12.5	37.3	199.6
59	59_e	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.509	47.4	−31.7	−17.4	36.2	208.7
60	60_e	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.593	47.1	−29.0	−21.8	36.3	216.9
61	61_e	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.875	0.784	50.4	−31.3	−30.5	43.7	224.2
62	62_e	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
63	63_e	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.128	50.0	−57.7	18.5	60.6	162.2
64	64_e	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.228	50.1	−54.8	10.1	55.7	169.5
65	65_e	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.298	50.6	−51.4	2.8	51.5	176.8
66	66_e	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.384	51.0	−47.4	−4.1	47.6	185.0
67	67_e	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.47	51.2	−43.3	−10.9	44.7	194.1
68	68_e	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.531	51.3	−39.6	−16.3	42.9	202.3
69	69_e	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.603	51.3	−36.6	−20.8	42.1	209.6
70	70_e	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.692	51.0	−33.8	−25.5	42.3	216.9
71	71_e	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.888	54.3	−36.1	−34.1	49.7	223.3
72	72_e	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
73	73_e	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.251	53.7	−63.1	12.7	64.3	168.6
74	74_e	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
75	75_e	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.404	54.8	−55.6	−2.2	55.7	182.3
76	76_e	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
77	77_e	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.56	55.1	−48.2	−14.6	50.4	196.9
78	78_e	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
79	79_e	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.701	55.2	−41.4	−24.5	48.1	210.5
80	80_e	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

n=j	$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
0	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1	0.0	0.0	0.125	24.3	4.0	−14.1	14.7	285.9	9.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
2	0.0	0.0	0.25	22.7	3.9	−22.0	22.4	280.2	11.4	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
3	0.0	0.0	0.375	28.0	6.9	−29.3	30.1	283.3	12.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
4	0.0	0.0	0.5	30.3	13.1	−38.9	41.0	288.6	19.1	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
5	0.0	0.0	0.625	29.5	18.8	−44.4	48.2	292.9	22.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
6	0.0	0.0	0.75	30.6	18.1	−43.9	47.5	292.4	18.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
7	0.0	0.0	0.875	31.4	18.7	−44.2	48.0	292.9	18.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
8	0.0	0.0	1.0	32.5	16.9	−44.6	47.7	290.8	16.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
9	0.0	0.125	0.0	32.1	−10.6	2.4	10.9	167.0	5.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
10	0.0	0.125	0.125	29.2	−10.0	−14.4	17.6	235.3	12.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
11	0.0	0.125	0.25	28.0	−6.3	−22.2	23.1	254.1	10.4	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
12	0.0	0.125	0.375	29.7	−4.1	−29.3	29.6	261.9	11.1	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
13	0.0	0.125	0.5	32.7	1.3	−38.5	38.5	272.0	15.1	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
14	0.0	0.125	0.625	34.6	6.4	−44.4	44.9	278.2	17.5	247	0.0	0.39	1.0	42.0	−7.2	−49.3	49.8	261.6
15	0.0	0.125	0.75	33.3	11.2	−45.8	47.2	283.7	18.1	248	0.0	0.364	1.0	41.0	−5.5	−49.2	49.5	263.5
16	0.0	0.125	0.875	34.2	11.2	−45.9	47.2	283.7	16.2	249	0.0	0.352	1.0	40.6	−4.7	−49.2	49.4	264.4
17	0.0	0.125	1.0	35.0	9.4	−46.3	47.3	281.4	14.6	250	0.0	0.341	1.0	40.1	−4.0	−49.2	49.4	265.3
18	0.0	0.25	0.0	35.0	−23.6	3.8	23.9	170.7	8.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
19	0.0	0.25	0.125	31.9	−20.0	−8.5	21.8	203.1	9.6	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
20	0.0	0.25	0.25	34.5	−15.1	−21.3	26.2	234.6	15.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
21	0.0	0.25	0.375	35.2	−12.0	−28.6	31.1	247.2	12.7	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
22	0.0	0.25	0.5	35.9	−8.9	−35.7	36.8	255.8	11.8	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
23	0.0	0.25	0.625	36.9	−5.0	−42.8	43.1	263.3	13.4	235	0.0	0.567	1.0	48.5	−17.3	−49.6	52.5	250.7
24	0.0	0.25	0.75	36.9	−0.1	−47.3	47.3	269.8	14.9	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
25	0.0	0.25	0.875	36.4	3.0	−48.2	48.3	273.6	15.0	242	0.0	0.464	1.0	44.7	−11.2	−49.4	50.7	257.1
26	0.0	0.25	1.0	36.8	2.2	−48.5	48.6	272.6	13.7	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
27	0.0	0.375	0.0	38.3	−37.3	12.4	39.3	161.6	13.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
28	0.0	0.375	0.125	36.9	−33.5	−0.5	33.5	180.9	12.2	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
29	0.0	0.375	0.25	37.0	−24.9	−17.0	30.1	214.3	13.1	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
30	0.0	0.375	0.375	39.2	−20.3	−28.2	34.8	234.3	18.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
31	0.0	0.375	0.5	39.8	−16.8	−35.0	38.8	244.3	15.4	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
32	0.0	0.375	0.625	40.9	−13.4	−40.7	42.9	251.7	13.4	216	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9
33	0.0	0.375	0.75	42.8	−9.7	−47.0	48.0	258.2	13.2	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
34	0.0	0.375	0.875	42.0	−7.5	−48.5	49.0	261.1	11.3	233	0.0	0.597	1.0	49.6	−19.1	−49.6	53.1	248.9
35	0.0	0.375	1.0	41.4	−6.3	−49.2	49.6	262.6	12.0	236	0.0	0.552	1.0	48.0	−16.4	−49.6	52.2	251.6
36	0.0	0.5	0.0	42.9	−59.6	21.5	63.4	160.1	29.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
37	0.0	0.5	0.125	43.3	−58.0	11.6	59.2	168.6	29.8	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
38	0.0	0.5	0.25	41.6	−43.2	−7.9	43.9	190.3	17.9	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
39	0.0	0.5	0.375	43.4	−33.1	−24.1	41.0	216.0	18.3	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
40	0.0	0.5	0.5	44.1	−23.4	−34.5	41.7	235.7	20.9	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
41	0.0	0.5	0.625	45.2	−22.0	−38.7	44.6	240.3	15.8	206	0.0	1.0	0.922	53.9	−34.5	−37.0	50.6	227.0
42	0.0	0.5	0.75	48.0	−20.7	−45.0	49.6	245.3	13.5	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
43	0.0	0.5	0.875	48.8	−17.7	−48.5	51.6	249.9	9.9	220	0.0	0.808	1.0	53.0	−26.9	−46.2	53.5	239.7
44	0.0	0.5	1.0	46.1	−13.3	−49.4	51.1	254.9	11.4	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
45	0.0	0.625	0.0	47.5	−66.8	25.1	71.4	159.4	28.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
46	0.0	0.625	0.125	48.3	−71.5	21.8	74.7	163.0	37.5	166	0.0	1.0	0.29	54.1	−61.3	8.3	61.9	172.2
47	0.0	0.625	0.25	49.2	−68.2	6.7	68.5	174.3	35.3	174	0.0	1.0	0.416	54.8	−55.2	−3.1	55.3	183.2
48	0.0	0.625	0.375	50.2	−50.9	−15.0	53.1	196.5	22.5	183	0.0	1.0	0.552	55.1	−48.7	−13.9	50.6	195.9
49	0.0	0.625	0.5	51.5	−41.6	−28.4	50.4	214.3	22.3	190	0.0	1.0	0.656	55.3	−43.1	−21.9	48.3	206.9
50	0.0	0.625	0.625	50.5	−29.5	−38.7	48.7	232.6	22.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
51	0.0	0.625	0.75	51.2	−27.9	−42.6	50.9	236.7	16.6	205	0.0	1.0	0.905	54.1	−35.3	−35.6	50.2	225.1
52	0.0	0.625	0.875	52.2	−25.9	−46.0	52.8	240.6	11.1	208	0.0	1.0	0.966	53.4	−32.1	−40.5	51.6	231.5
53	0.0	0.625	1.0	50.5	−20.8	−49.5	53.7	247.2	9.8	214	0.0	0.915	1.0	53.1	−28.6	−44.2	52.6	237.0
54	0.0	0.75	0.0	51.0	−71.0	27.5	76.2	158.7	25.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
55	0.0	0.75	0.125	50.5	−72.8	23.2	76.4	162.3	30.6	165	0.0	1.0	0.271	53.9	−62.2	10.4	63.1	170.4
56	0.0	0.75	0.25	50.4	−68.4	10.3	69.1	171.3	27.7	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
57	0.0	0.75	0.375	51.9	−57.1	−8.2	57.7	188.2	19.0	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
58	0.0	0.75	0.5	52.7	−46.9	−21.7	51.7	204.8	15.9	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
59	0.0	0.75	0.625	52.9	−39.5	−31.2	50.3	218.2	16.7	191	0.0	1.0	0.678	55.3	−42.3	−23.2	48.2	208.7
60	0.0	0.75	0.75	52.6	−33.6	−38.2	50.9	228.7	17.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
61	0.0	0.75	0.875	53.0	−29.9	−43.0	52.4	235.1	12.8	204	0.0	1.0	0.896	54.2	−35.7	−34.9	49.9	224.2
62	0.0	0.75	1.0	52.9	−25.9	−47.5	54.1	241.3	11.1	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
63	0.0	0.875	0.0	52.7	−69.8	28.5	75.4	157.7	16.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
64	0.0	0.875	0.125	51.8	−69.7	22.8	73.3	161.8	19.6	164	0.0	1.0	0.261	53.8	−62.7	11.5	63.7	169.5
65	0.0	0.875	0.25	52.2	−65.0	11.1	65.9	170.2	15.9	169	0.0	1.0	0.34	54.5	−58.8	3.2	58.9	176.8
66	0.0	0.875	0.375	53.2	−57.4	−2.5	57.5	182.5	10.3	176	0.0	1.0	0.439	54.9	−54.2	−4.7	54.4	185.0
67	0.0	0.875	0.5	53.9	−49.3	−15.1	51.6	197.0	7.8	182	0.0	1.0	0.537	55.1	−49.5	−12.5	51.1	194.1
68	0.0	0.875	0.625	53.9	−42.2	−24.7	49.0	210.3	9.2	187	0.0	1.0	0.607	55.3	−45.3	−18.6	49.0	202.3
69	0.0	0.875	0.75	53.6	−37.4	−32.1	49.3	220.6	11.5	192	0.0	1.0	0.69	55.2	−41.8	−23.8	48.2	209.6
70	0.0	0.875	0.875	53.1	−30.9	−41.2	51.6	233.1	16.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
71	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9	13.4	204	0.0	1.0	0.888	54.3	−36.1	−34.1	49.7	223.3
72	0.0	1.0	0.0	54.3	−67.6	30.8	74.3	155.5	9.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
73	0.0	1.0	0.125	53.8	−66.4	23.0	70.2	160.8	10.8	163	0.0	1.0	0.251	53.7	−63.1	12.7	64.3	168.6
74	0.0	1.0	0.25	53.7	−63.1	12.8	64.4	168.5	8.2	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
75	0.0	1.0	0.375	54.7	−56.8	0.0	56.8	179.9	2.5	173	0.0	1.0	0.404	54.8	−55.6	−2.2	55.7	182.3
76	0.0	1.0	0.5	55.0	−51.4	−8.9	52.2	189.8	0.2	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
77	0.0	1.0	0.625	55.3	−44.1	−20.0	48.5	204.4	6.7	183	0.0	1.0	0.56	55.1	−48.2	−14.6	50.4	196.9
78	0.0	1.0	0.75	55.2	−39.5	−27.1	47.9	214.4	8.6	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
79	0.0	1.0	0.875	54.4	−36.7	−33.0	49.4	221.9	9.7	193	0.0	1.0	0.701	55.2	−41.4	−24.5	48.1	210.5
80	0.0	1.0	1.0	53.1	−30.0	−43.1	52.5	235.1	16.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta $E^{*\prime}$ = *15.2*

2−013830−F0

PS490−7N, 9/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 10/22

n	HIC*$_{Fe}$	*rgb*$_{\_Fe}$			*ict*$_{\_Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
81	81_e	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.032	26.8	7.0	3.3	7.7	25.4	0.125	0.0	0.0	24.7	7.7	8.0	11.1	45.9	5.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
82	82_e	0.125	0.0	0.125	0.125	0.125	0.062	330	0.073	0.0	0.125	25.6	5.8	−3.5	6.8	328.6	0.125	0.0	0.125	26.6	12.3	−6.3	13.8	332.7	7.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
83	83_e	0.125	0.0	0.25	0.25	0.25	0.125	300	0.034	0.0	0.25	25.7	6.1	−10.4	12.1	300.1	0.125	0.0	0.25	25.7	13.6	−17.5	22.2	307.9	10.3	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
84	84_e	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.005	0.375	27.2	6.0	−16.8	17.8	289.7	0.125	0.0	0.375	27.6	14.3	−24.2	28.1	300.5	11.0	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
85	85_e	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.038	0.5	28.9	6.1	−22.9	23.7	285.0	0.125	0.0	0.5	29.0	21.5	−32.8	39.2	303.2	18.3	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
86	86_e	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.072	0.625	30.7	6.2	−28.9	29.5	282.1	0.125	0.0	0.625	29.5	25.2	−36.3	44.2	304.7	20.4	263	0.0	0.115	1.0	34.8	9.9	−46.2	47.3	282.1
87	87_e	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.106	0.75	32.4	6.3	−35.0	35.6	280.2	0.125	0.0	0.75	30.6	25.4	−39.9	47.4	302.5	19.8	262	0.0	0.141	1.0	35.3	8.4	−46.7	47.5	280.2
88	88_e	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.135	0.875	34.0	6.7	−41.1	41.6	279.3	0.125	0.0	0.875	30.8	25.7	−41.3	48.7	301.9	19.3	261	0.0	0.155	1.0	35.5	7.7	−47.0	47.6	279.3
89	89_e	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.168	1.0	35.7	6.9	−47.2	47.7	278.3	0.125	0.0	1.0	31.6	23.6	−42.2	48.4	299.2	17.8	260	0.0	0.168	1.0	35.7	6.9	−47.2	47.7	278.3
90	90_e	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.096	0.0	31.3	−0.3	9.6	9.6	92.3	0.125	0.125	0.0	32.9	−5.2	16.0	16.9	108.2	8.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
91	91_e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.8	0.0	−0.5	0.5	273.6	5.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
92	92_e	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.157	0.25	34.5	0.1	−6.0	6.0	271.7	0.125	0.125	0.25	27.8	2.1	−17.8	17.9	276.9	13.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
93	93_e	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.19	0.375	36.2	0.3	−12.1	12.1	271.7	0.125	0.125	0.375	30.4	4.1	−25.6	25.9	279.1	15.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
94	94_e	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.222	0.5	37.8	0.5	−18.2	18.2	271.7	0.125	0.125	0.5	33.6	7.2	−30.1	31.0	283.5	14.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
95	95_e	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.255	0.625	39.5	0.7	−24.3	24.3	271.7	0.125	0.125	0.625	36.0	11.5	−35.5	37.4	287.9	15.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
96	96_e	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.288	0.75	41.2	0.9	−30.4	30.4	271.7	0.125	0.125	0.75	37.8	12.8	−40.0	42.0	287.7	15.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
97	97_e	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.32	0.875	42.9	1.1	−36.5	36.5	271.7	0.125	0.125	0.875	35.7	15.8	−43.8	46.5	289.8	17.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
98	98_e	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.353	1.0	44.6	1.2	−42.6	42.6	271.7	0.125	0.125	1.0	34.1	17.5	−43.8	47.2	291.8	19.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
99	99_e	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	35.6	−10.4	13.7	17.2	127.2	0.125	0.25	0.0	36.4	−13.3	17.0	21.6	127.9	4.4	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
100	100_e	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−8.2	2.6	8.6	162.2	0.125	0.25	0.125	37.3	−12.7	1.8	12.8	171.8	4.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
101	101_e	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.223	36.7	−4.8	−3.6	6.0	216.9	0.125	0.25	0.25	34.1	−10.5	−16.7	19.7	237.8	14.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
102	102_e	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.296	0.375	39.8	−5.8	−12.1	13.4	244.3	0.125	0.25	0.375	36.2	−6.8	−24.4	25.4	254.3	12.8	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
103	103_e	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.315	0.5	41.3	−5.1	−18.5	19.2	254.3	0.125	0.25	0.5	37.9	−3.1	−29.4	29.6	263.8	11.5	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
104	104_e	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.342	0.625	42.7	−4.8	−24.7	25.1	258.9	0.125	0.25	0.625	40.5	−0.2	−32.8	32.8	269.6	9.5	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
105	105_e	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.369	0.75	44.1	−4.5	−30.8	31.1	261.6	0.125	0.25	0.75	41.5	2.5	−38.3	38.4	273.7	10.6	247	0.0	0.39	1.0	42.0	−7.2	−49.3	49.8	261.6
106	106_e	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.398	0.875	45.7	−4.1	−36.9	37.1	263.5	0.125	0.25	0.875	37.9	7.9	−45.5	46.2	279.9	16.8	248	0.0	0.364	1.0	41.0	−5.5	−49.2	49.5	263.5
107	107_e	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.433	1.0	47.5	−4.1	−43.1	43.3	264.4	0.125	0.25	1.0	36.4	10.6	−45.2	46.4	283.2	18.6	249	0.0	0.352	1.0	40.6	−4.7	−49.2	49.4	264.4
108	108_e	0.125	0.375	0.0	0.375	0.375	0.187	131	0.115	0.375	0.0	38.6	−19.8	16.5	25.8	140.0	0.125	0.375	0.0	39.5	−30.9	19.8	36.7	147.2	11.5	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
109	109_e	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.161	40.3	−16.4	5.2	17.3	162.2	0.125	0.375	0.125	39.1	−24.1	4.4	24.5	169.4	7.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
110	110_e	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.249	40.6	−12.9	−2.1	13.0	189.6	0.125	0.375	0.25	37.7	−18.6	−9.6	20.9	207.3	9.8	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
111	111_e	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.322	40.6	−9.6	−7.2	12.1	216.9	0.125	0.375	0.375	41.9	−14.5	−23.1	27.3	237.7	16.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
112	112_e	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.5	0.497	43.8	−11.4	−15.9	19.6	234.3	0.125	0.375	0.5	42.5	−11.5	−28.8	31.0	248.1	12.9	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
113	113_e	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.468	0.625	46.7	−11.6	−24.3	26.9	244.3	0.125	0.375	0.625	43.5	−8.6	−31.7	32.8	254.7	8.6	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
114	114_e	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.479	0.75	48.2	−10.8	−31.0	32.8	250.7	0.125	0.375	0.75	44.9	−6.0	−36.4	36.9	260.5	7.9	235	0.0	0.567	1.0	48.5	−17.3	−49.6	52.5	250.7
115	115_e	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.506	0.875	49.7	−10.3	−37.0	38.5	254.3	0.125	0.375	0.875	43.8	−4.2	−45.9	46.1	264.7	12.3	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
116	116_e	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.531	1.0	51.1	−9.8	−43.2	44.4	257.1	0.125	0.375	1.0	39.2	1.2	−47.2	47.3	271.4	16.7	242	0.0	0.464	1.0	44.7	−11.2	−49.4	50.7	257.1
117	117_e	0.125	0.5	0.0	0.5	0.5	0.25	136	0.113	0.5	0.0	41.9	−29.1	19.6	35.1	145.9	0.125	0.5	0.0	41.4	−44.7	24.0	50.7	151.6	16.2	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
118	118_e	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.18	44.0	−24.7	7.9	25.9	162.2	0.125	0.5	0.125	42.7	−31.6	8.9	32.8	164.2	7.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
119	119_e	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.263	44.4	−21.4	0.1	21.4	179.5	0.125	0.5	0.25	43.1	−29.5	−2.1	29.5	184.0	8.5	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
120	120_e	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.343	44.6	−17.5	−6.2	18.6	199.6	0.125	0.5	0.375	44.4	−22.2	−17.9	28.6	218.8	12.6	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
121	121_e	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.421	44.5	−14.5	−10.9	18.1	216.9	0.125	0.5	0.5	45.7	−17.6	−27.9	33.0	237.6	17.3	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
122	122_e	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.625	0.599	47.7	−16.5	−19.5	25.6	229.7	0.125	0.5	0.625	47.3	−14.4	−32.2	35.2	245.8	12.8	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
123	123_e	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.672	0.75	51.1	−17.4	−27.9	32.9	237.9	0.125	0.5	0.75	47.8	−13.4	−35.8	38.3	249.4	9.4	216	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9
124	124_e	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.639	0.875	53.7	−17.5	−36.4	40.4	244.3	0.125	0.5	0.875	48.0	−12.0	−43.4	45.0	254.4	10.5	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
125	125_e	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.647	1.0	55.3	−16.7	−43.4	46.5	248.9	0.125	0.5	1.0	44.3	−8.4	−48.1	48.9	260.0	14.5	233	0.0	0.597	1.0	49.6	−19.1	−49.6	53.1	248.9
126	126_e	0.125	0.625	0.0	0.625	0.625	0.312	139	0.098	0.625	0.0	45.1	−38.1	22.5	44.2	149.4	0.125	0.625	0.0	47.0	−55.6	28.1	62.3	153.1	18.4	141	0.157	1.0	0.0	57.9	−60.9	36.0	70.8	149.4
127	127_e	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.198	47.8	−32.9	10.5	34.6	162.2	0.125	0.625	0.125	47.4	−40.2	14.8	42.9	159.7	8.4	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
128	128_e	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.285	48.0	−29.9	2.6	30.0	175.0	0.125	0.625	0.25	47.8	−37.6	3.8	37.8	174.1	7.7	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
129	129_e	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.373	48.4	−25.8	−4.3	26.1	189.6	0.125	0.625	0.375	49.3	−31.0	−11.2	33.0	199.9	8.6	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
130	130_e	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.436	48.5	−22.1	−9.9	24.2	204.2	0.125	0.625	0.5	50.1	−24.7	−22.9	33.7	222.8	13.2	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
131	131_e	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.52	48.4	−19.3	−14.5	24.2	216.9	0.125	0.625	0.625	50.9	−21.6	−30.9	37.7	234.9	16.7	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
132	132_e	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.75	0.701	51.6	−21.5	−23.1	31.6	227.0	0.125	0.625	0.75	51.4	−18.6	−35.6	40.2	242.4	12.8	206	0.0	1.0	0.922	53.9	−34.5	−37.0	50.6	227.0
133	133_e	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.875	0.869	54.8	−22.8	−31.8	39.2	234.3	0.125	0.625	0.875	51.5	−17.0	−40.6	44.0	247.2	11.0	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
134	134_e	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.832	1.0	58.3	−23.5	−40.4	46.8	239.7	0.125	0.625	1.0	49.7	−15.8	−47.6	50.1	251.6	13.6	220	0.0	0.808	1.0	53.0	−26.9	−46.2	53.5	239.7
135	135_e	0.125	0.75	0.0	0.75	0.75	0.375	141	0.079	0.75	0.0	48.4	−47.3	25.4	53.7	151.7	0.125	0.75	0.0	52.8	−59.5	31.8	67.5	151.8	14.5	144	0.105	1.0	0.0	56.6	−63.0	33.9	71.6	151.7
136	136_e	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.216	51.5	−41.2	13.2	43.2	162.2	0.125	0.75	0.125	52.5	−46.5	19.1	50.3	157.6	8.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
137	137_e	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.306	51.7	−38.3	5.2	38.7	172.2	0.125	0.75	0.25	53.2	−43.8	9.1	44.7	168.2	6.8	166	0.0	1.0	0.29	54.1	−61.3	8.3	61.9	172.2
138	138_e	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.385	52.2	−34.5	−1.9	34.5	183.2	0.125	0.75	0.375	54.5	−42.1	−2.9	42.2	184.0	8.0	174	0.0	1.0	0.416	54.8	−55.2	−3.1	55.3	183.2
139	139_e	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.47	52.4	−30.4	−8.7	31.6	195.9	0.125	0.75	0.5	56.3	−33.9	−17.4	38.1	207.1	10.1	183	0.0	1.0	0.552	55.1	−48.7	−13.9	50.6	195.9
140	140_e	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.535	52.5	−26.9	−13.6	30.2	206.9	0.125	0.75	0.625	56.4	−29.5	−26.1	39.4	221.4	13.2	190	0.0	1.0	0.656	55.3	−43.1	−21.9	48.3	206.9
141	141_e	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.619	52.3	−24.1	−18.2	30.2	216.9	0.125	0.75	0.75	55.6	−25.0	−35.2	43.2	234.6	17.3	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
142	142_e	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.875	0.804	55.5	−26.5	−26.7	37.6	225.1	0.125	0.75	0.875	55.3	−22.8	−39.2	45.4	239.7	13.0	205	0.0	1.0	0.905	54.1	−35.3	−35.6	50.2	225.1
143	143_e	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	1.0	0.97	58.7	−28.1	−35.4	45.2	231.5	0.125	0.75	1.0	54.2	−21.2	−45.5	50.2	244.9	13.0	208	0.0	1.0	0.966	53.4	−32.1	−40.5	51.6	231.5
144	144_e	0.125	0.875	0.0	0.875	0.875	0.437	142	0.064	0.875	0.0	51.9	−56.4	28.8	63.4	152.9	0.125	0.875	0.0	57.3	−62.3	36.0	72.0	149.9	10.7	146	0.073	1.0	0.0	55.9	−64.5	33.0	72.4	152.9
145	145_e	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.235	55.3	−49.4	15.8	51.9	162.2	0.125	0.875	0.125	58.1	−59.2	28.1	65.5	154.5	15.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
146	146_e	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.328	55.4	−46.7	7.8	47.3	170.4	0.125	0.875	0.25	57.8	−56.9	17.5	59.5	162.8	14.2	165	0.0	1.0	0.271	53.9	−62.2	10.4	63.1	170.4
147	147_e	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.402	56.0	−42.8	0.3	42.8	179.5	0.125	0.875	0.375	58.4	−51.0	2.6	51.1	177.0	8.9	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
148	148_e	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.498	56.2	−38.7	−6.5	39.2	189.6	0.125	0.875	0.5	58.7	−44.7	−9.1	45.6	191.5	7.0	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
149	149_e	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.562	56.4	−35.1	−12.5	37.3	199.6	0.125	0.875	0.625	58.9	−38.3	−20.3	43.4	208.0	8.8	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
150	150_e	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.634	56.4	−31.7	−17.4	36.2	208.7	0.125	0.875	0.75	58.2	−33.3	−29.3	44.4	221.3	12.1	191	0.0	1.0	0.678	55.3	−42.3	−23.2	48.2	208.7
151	151_e	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.718	56.1	−29.0	−21.8	36.3	216.9	0.125	0.875	0.875	57.5	−28.7	−38.2	47.8	233.0	16.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
152	152_e	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	1.0	0.909	59.4	−31.3	−30.5	43.7	224.2	0.125	0.875	1.0	56.0	−26.3	−43.4	50.8	238.7	14.2	204	0.0	1.0	0.896	54.2	−35.7	−34.9	49.9	224.2
153	153_e	0.125	1.0	0.0	1.0	1.0	0.5	143	0.04	1.0	0.0	55.2	−65.9	32.0	73.3	154.0	0.125	1.0	0.0	57.0	−62.2	34.4	71.1	151.0	4.7	147	0.04	1.0	0.0	55.2	−65.9	32.0	73.3	154.0
154	154_e	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.253	59.0	−57.7	18.5	60.6	162.2	0.125	1.0	0.125	55.9	−63.0	28.6	69.2	155.5	11.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
155	155_e	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.353	59.1	−54.8	10.1	55.7	169.5	0.125	1.0	0.25	55.6	−60.9	18.4	63.7	163.1	10.8	164	0.0	1.0	0.261	53.8	−62.7	11.5	63.7	169.5
156	156_e	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.423	59.6	−51.4	2.8	51.5	176.8	0.125	1.0	0.375	56.4	−55.3	6.3	55.7	173.4	6.1	169	0.0	1.0	0.34	54.5	−58.8	3.2	58.9	176.8
157	157_e	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.509	60.0	−47.4	−4.1	47.6	185.0	0.125	1.0	0.5	57.3	−49.3	−4.7	49.5	185.4	3.3	176	0.0	1.0	0.439	54.9	−54.2	−4.7	54.4	185.0
158	158_e	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.595	60.2	−43.3	−10.9	44.7	194.1	0.125	1.0	0.625	57.3	−41.3	−18.6	45.3	204.2	8.4	182	0.0	1.0	0.537	55.1	−49.5	−12.5	51.1	194.1
159	159_e	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.656	60.3	−39.6	−16.3	42.9	202.3	0.125	1.0	0.75	57.1	−37.2	−25.8	45.2	214.7	10.3	187	0.0	1.0	0.607	55.3	−45.3	−18.6	49.0	202.3
160	160_e	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.728	60.3	−36.6	−20.8	42.1	209.6	0.125	1.0	0.875	57.0	−33.2	−32.3	46.4	224.2	12.4	192	0.0	1.0	0.69	55.2	−41.8	−23.8	48.2	209.6
161	161_e	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.817	60.0	−33.8	−25.5	42.3	216.9	0.125	1.0	1.0	54.6	−29.4	−41.5	50.9	234.6	17.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta *E' = *12.1***

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

2−013930−F0 PS490−7N, 10/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

n	HIC^*_{Fe}	rgb_{Fe}			ict_{Fe}			$h_{si\_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$					$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
162	162_e	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.065	29.7	14.0	6.6	15.5	25.4	0.25	0.0	0.0	26.6	14.4	12.1	18.9	40.1	6.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
163	163_e	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.206	30.2	16.3	−2.2	16.5	352.0	0.25	0.0	0.125	26.4	17.6	2.2	17.7	7.1	6.0	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
164	164_e	0.25	0.0	0.25	0.25	0.25	0.125	330	0.146	0.0	0.25	27.5	11.6	−7.1	13.6	328.6	0.25	0.0	0.25	27.9	22.7	−10.0	24.8	336.0	11.4	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
165	165_e	0.25	0.0	0.375	0.375	0.375	0.187	311	0.107	0.0	0.375	26.8	12.3	−14.3	18.9	310.5	0.25	0.0	0.375	28.8	24.9	−17.6	30.5	324.6	13.1	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
166	166_e	0.25	0.0	0.5	0.5	0.5	0.25	300	0.069	0.0	0.5	27.6	12.2	−20.9	24.2	300.1	0.25	0.0	0.5	28.9	25.7	−25.1	35.9	315.6	14.2	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
167	167_e	0.25	0.0	0.625	0.625	0.625	0.312	293	0.025	0.0	0.625	29.1	11.9	−27.4	29.9	293.5	0.25	0.0	0.625	29.8	28.8	−31.0	42.3	312.9	17.2	272	0.04	0.0	1.0	32.2	19.1	−43.9	47.9	293.5
168	168_e	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.01	0.75	30.6	12.0	−33.6	35.7	289.7	0.25	0.0	0.75	31.0	30.1	−35.2	46.3	310.5	18.0	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
169	169_e	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.045	0.875	32.3	12.0	−39.8	41.6	286.9	0.25	0.0	0.875	31.5	30.7	−38.1	48.9	308.8	18.7	267	0.0	0.052	1.0	33.6	13.8	−45.5	47.5	286.9
170	170_e	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0	0.25	0.0	1.0	31.0	30.5	−39.3	49.8	307.8	19.6	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
171	171_e	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.079	0.0	33.3	8.8	14.6	17.0	58.8	0.25	0.125	0.0	32.1	3.1	19.8	20.0	81.0	7.8	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
172	172_e	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.157	35.8	7.0	3.3	7.7	25.4	0.25	0.125	0.125	30.7	8.8	7.3	11.5	39.8	6.7	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
173	173_e	0.25	0.125	0.25	0.25	0.125	0.187	330	0.198	0.124	0.25	34.6	5.8	−3.5	6.8	328.6	0.25	0.125	0.25	32.9	13.4	−8.4	15.9	327.8	9.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
174	174_e	0.25	0.125	0.375	0.375	0.25	0.25	300	0.159	0.124	0.375	34.7	6.1	−10.4	12.1	300.1	0.25	0.125	0.375	33.3	13.6	−17.6	22.3	307.5	10.5	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
175	175_e	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.13	0.5	36.2	6.0	−16.8	17.8	289.7	0.25	0.125	0.5	34.1	15.5	−25.6	30.0	301.2	13.1	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
176	176_e	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.163	0.625	37.9	6.1	−22.9	23.7	285.0	0.25	0.125	0.625	37.0	18.0	−31.1	36.0	300.1	14.5	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
177	177_e	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.197	0.75	39.7	6.2	−28.9	29.5	282.1	0.25	0.125	0.75	38.2	19.8	−36.3	41.4	298.5	15.5	263	0.0	0.115	1.0	34.8	9.9	−46.2	47.3	282.1
178	178_e	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.231	0.875	41.4	6.3	−35.0	35.6	280.2	0.25	0.125	0.875	35.5	24.3	−40.4	47.1	301.0	19.7	262	0.0	0.141	1.0	35.3	8.4	−46.7	47.5	280.2
179	179_e	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.26	1.0	43.0	6.7	−41.1	41.6	279.3	0.25	0.125	1.0	34.9	24.2	−40.6	47.3	300.7	19.2	261	0.0	0.155	1.0	35.5	7.7	−47.0	47.6	279.3
180	180_e	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.192	0.0	38.8	−0.7	19.2	19.2	92.3	0.25	0.25	0.0	39.4	−7.8	29.7	30.8	104.8	12.7	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
181	181_e	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.221	0.124	40.3	−0.3	9.6	9.6	92.3	0.25	0.25	0.125	39.8	−5.3	15.2	16.1	109.2	7.4	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
182	182_e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.8	−0.1	−1.2	1.2	265.1	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
183	183_e	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.282	0.375	43.5	0.1	−6.0	6.0	271.7	0.25	0.25	0.375	37.2	2.3	−18.7	18.9	276.9	14.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
184	184_e	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.315	0.5	45.2	0.3	−12.1	12.1	271.7	0.25	0.25	0.5	39.7	5.0	−25.0	25.4	281.3	14.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
185	185_e	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.347	0.625	46.8	0.5	−18.2	18.2	271.7	0.25	0.25	0.625	41.8	8.2	−29.3	30.4	285.7	14.4	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
186	186_e	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.38	0.75	48.5	0.7	−24.3	24.3	271.7	0.25	0.25	0.75	43.1	11.1	−34.5	36.3	287.8	15.5	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
187	187_e	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.413	0.875	50.2	0.9	−30.4	30.4	271.7	0.25	0.25	0.875	40.2	15.3	−41.4	44.1	290.2	20.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
188	188_e	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.445	1.0	51.9	1.1	−36.5	36.5	271.7	0.25	0.25	1.0	38.0	16.5	−42.0	45.1	291.5	21.5	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
189	189_e	0.25	0.375	0.0	0.375	0.375	0.187	109	0.236	0.375	0.0	45.0	−11.7	25.8	28.4	114.4	0.25	0.375	0.0	41.6	−14.3	30.8	34.0	114.9	6.5	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
190	190_e	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	44.6	−10.4	13.7	17.2	127.2	0.25	0.375	0.125	44.8	−13.9	15.6	20.9	131.6	4.0	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
191	191_e	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.5	−8.2	2.6	8.6	162.2	0.25	0.375	0.25	43.9	−11.7	−0.1	11.7	180.5	4.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
192	192_e	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.348	45.7	−4.8	−3.6	6.0	216.9	0.25	0.375	0.375	44.7	−10.3	−17.0	19.9	238.7	14.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
193	193_e	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.421	0.5	48.8	−5.8	−12.1	13.4	244.3	0.25	0.375	0.5	46.4	−5.5	−23.0	23.6	256.5	11.1	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
194	194_e	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.44	0.625	50.3	−5.1	−18.5	19.2	254.3	0.25	0.375	0.625	46.8	−2.5	−27.6	27.7	264.7	10.1	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
195	195_e	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.467	0.75	51.7	−4.8	−24.7	25.1	258.9	0.25	0.375	0.75	46.6	0.6	−33.1	33.1	271.0	11.2	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
196	196_e	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.494	0.875	53.1	−4.5	−30.8	31.1	261.6	0.25	0.375	0.875	45.7	4.1	−41.8	42.1	275.7	15.8	247	0.0	0.39	1.0	42.0	−7.2	−49.3	49.8	261.6
197	197_e	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.523	1.0	54.7	−4.1	−36.9	37.1	263.5	0.25	0.375	1.0	42.5	7.0	−42.9	43.5	279.3	17.6	248	0.0	0.364	1.0	41.0	−5.5	−49.2	49.5	263.5
198	198_e	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	47.4	−20.8	27.4	34.4	127.2	0.25	0.5	0.0	43.9	−28.1	32.6	43.1	130.7	9.6	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
199	199_e	0.25	0.5	0.125	0.5	0.375	0.312	131	0.24	0.5	0.124	47.6	−19.8	16.5	25.8	140.0	0.25	0.5	0.125	47.6	−24.8	16.6	29.9	146.1	5.0	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
200	200_e	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.286	49.3	−16.4	5.2	17.3	162.2	0.25	0.5	0.25	46.4	−22.2	3.8	22.6	170.1	6.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
201	201_e	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.374	49.6	−12.9	−2.1	13.0	189.6	0.25	0.5	0.375	48.2	−16.8	−9.9	19.5	210.3	8.8	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
202	202_e	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.447	49.6	−9.6	−7.2	12.1	216.9	0.25	0.5	0.5	50.5	−14.1	−21.4	25.7	236.7	14.9	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
203	203_e	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.625	0.622	52.8	−11.4	−15.9	19.6	234.3	0.25	0.5	0.625	51.2	−10.1	−27.6	29.4	249.8	11.8	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
204	204_e	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.593	0.75	55.7	−11.6	−24.3	26.9	244.3	0.25	0.5	0.75	51.3	−8.5	−31.4	32.6	254.7	8.9	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
205	205_e	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.604	0.875	57.2	−10.8	−31.0	32.8	250.7	0.25	0.5	0.875	51.1	−6.6	−39.5	40.0	260.4	11.2	235	0.0	0.567	1.0	48.5	−17.3	−49.6	52.5	250.7
206	206_e	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.631	1.0	58.7	−10.3	−37.0	38.5	254.3	0.25	0.5	1.0	45.0	−0.5	−44.4	44.4	269.3	18.4	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
207	207_e	0.25	0.625	0.0	0.625	0.625	0.312	127	0.228	0.625	0.0	50.3	−30.1	29.7	42.3	135.4	0.25	0.625	0.0	49.0	−39.1	34.5	52.1	138.5	10.2	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.4
208	208_e	0.25	0.625	0.125	0.625	0.5	0.375	136	0.238	0.625	0.125	50.9	−29.1	19.6	35.1	145.9	0.25	0.625	0.125	51.3	−33.6	22.4	40.4	146.3	5.3	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
209	209_e	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.305	53.0	−24.7	7.9	25.9	162.2	0.25	0.625	0.25	51.5	−29.9	9.9	31.5	161.5	5.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
210	210_e	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.388	53.4	−21.4	0.1	21.4	179.5	0.25	0.625	0.375	53.7	−24.9	−3.1	25.1	187.0	4.8	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
211	211_e	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.468	53.6	−17.5	−6.2	18.6	199.6	0.25	0.625	0.5	54.8	−20.1	−15.5	25.4	217.5	9.6	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
212	212_e	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.546	53.5	−14.5	−10.9	18.1	216.9	0.25	0.625	0.625	54.2	−16.5	−26.0	30.8	237.5	15.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
213	213_e	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.75	0.724	56.7	−16.5	−19.5	25.6	229.7	0.25	0.625	0.75	55.1	−13.9	−31.3	34.2	245.9	12.1	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
214	214_e	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.797	0.875	60.1	−17.4	−27.9	32.9	237.9	0.25	0.625	0.875	55.5	−12.8	−36.5	38.7	250.6	10.8	216	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9
215	215_e	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.764	1.0	62.7	−17.5	−36.4	40.4	244.3	0.25	0.625	1.0	52.2	−11.8	−43.9	45.5	254.8	14.0	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
216	216_e	0.25	0.75	0.0	0.75	0.75	0.375	131	0.231	0.75	0.0	53.5	−39.6	33.1	51.7	140.0	0.25	0.75	0.0	57.1	−46.6	39.6	61.1	139.6	10.1	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
217	217_e	0.25	0.75	0.125	0.75	0.625	0.437	139	0.223	0.75	0.125	54.1	−38.1	22.5	44.2	149.4	0.25	0.75	0.125	56.1	−40.3	24.6	47.2	148.6	3.6	141	0.157	1.0	0.0	57.9	−60.9	36.0	70.8	149.4
218	218_e	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.323	56.8	−32.9	10.5	34.6	162.2	0.25	0.75	0.25	57.2	−36.4	13.9	39.0	159.0	4.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
219	219_e	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.41	57.0	−29.9	2.6	30.0	175.0	0.25	0.75	0.375	58.6	−33.1	4.1	33.4	172.9	3.8	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
220	220_e	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.498	57.4	−25.8	−4.3	26.1	189.6	0.25	0.75	0.5	59.9	−28.0	−8.3	29.2	196.5	5.2	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
221	221_e	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.561	57.5	−22.1	−9.9	24.2	204.2	0.25	0.75	0.625	60.4	−22.8	−20.5	30.7	221.9	10.9	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
222	222_e	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.645	57.4	−19.3	−14.5	24.2	216.9	0.25	0.75	0.75	60.1	−19.6	−29.7	35.6	236.5	15.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
223	223_e	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.875	0.826	60.6	−21.5	−23.1	31.6	227.0	0.25	0.75	0.875	60.2	−18.2	−35.1	39.5	242.5	12.4	206	0.0	1.0	0.922	53.9	−34.5	−37.0	50.6	227.0
224	224_e	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	1.0	0.994	63.8	−22.8	−31.8	39.2	234.3	0.25	0.75	1.0	58.4	−17.7	−41.7	45.3	246.9	12.3	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
225	225_e	0.25	0.875	0.0	0.875	0.875	0.437	134	0.231	0.875	0.0	56.6	−49.1	36.2	61.0	143.5	0.25	0.875	0.0	61.6	−55.2	42.0	69.3	142.7	9.7	135	0.264	1.0	0.0	61.3	−56.1	41.4	69.8	143.5
226	226_e	0.25	0.875	0.125	0.875	0.75	0.5	141	0.204	0.875	0.125	57.4	−47.3	25.4	53.7	151.7	0.25	0.875	0.125	62.1	−53.8	33.1	63.2	148.4	11.2	144	0.105	1.0	0.0	56.6	−63.0	33.9	71.6	151.7
227	227_e	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.341	60.5	−41.2	13.2	43.2	162.2	0.25	0.875	0.25	63.3	−48.9	21.1	53.3	156.5	11.4	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
228	228_e	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.431	60.7	−38.3	5.2	38.7	172.2	0.25	0.875	0.375	64.3	−43.8	9.2	44.7	168.0	7.6	166	0.0	1.0	0.29	54.1	−61.3	8.3	61.9	172.2
229	229_e	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.51	61.2	−34.5	−1.9	34.5	183.2	0.25	0.875	0.5	64.5	−38.8	−3.1	38.9	184.6	5.5	174	0.0	1.0	0.416	54.8	−55.2	−3.1	55.3	183.2
230	230_e	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.595	61.4	−30.4	−8.7	31.6	195.9	0.25	0.875	0.625	65.0	−31.9	−14.1	34.9	203.9	6.7	183	0.0	1.0	0.552	55.1	−48.7	−13.9	50.6	195.9
231	231_e	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.66	61.5	−26.9	−13.6	30.2	206.9	0.25	0.875	0.75	63.2	−26.7	−25.9	37.2	224.1	12.4	190	0.0	1.0	0.656	55.3	−43.1	−21.9	48.3	206.9
232	232_e	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.744	61.3	−24.1	−18.2	30.2	216.9	0.25	0.875	0.875	63.6	−23.3	−33.5	40.9	235.1	15.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
233	233_e	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	1.0	0.929	64.5	−26.5	−26.7	37.6	225.1	0.25	0.875	1.0	62.8	−20.3	−38.6	43.6	242.1	13.4	205	0.0	1.0	0.905	54.1	−35.3	−35.6	50.2	225.1
234	234_e	0.25	1.0	0.0	1.0	1.0	0.5	136	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9	0.25	1.0	0.0	60.6	−57.2	40.4	70.1	144.7	1.5	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
235	235_e	0.25	1.0	0.125	1.0	0.875	0.562	142	0.189	1.0	0.125	60.8	−56.4	28.8	63.4	152.9	0.25	1.0	0.125	62.6	−52.4	32.5	61.7	148.2	5.6	146	0.073	1.0	0.0	55.9	−64.5	33.0	72.4	152.9
236	236_e	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.36	64.3	−49.4	15.8	51.9	162.2	0.25	1.0	0.25	61.1	−52.9	23.4	57.9	156.0	8.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
237	237_e	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.453	64.4	−46.7	7.8	47.3	170.4	0.25	1.0	0.375	61.0	−49.8	12.0	51.2	166.4	6.2	165	0.0	1.0	0.271	53.9	−62.2	10.4	63.1	170.4
238	238_e	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.527	65.0	−42.8	0.3	42.8	179.5	0.25	1.0	0.5	61.5	−44.6	1.0	44.6	178.7	3.9	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
239	239_e	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.623	65.2	−38.7	−6.5	39.2	189.6	0.25	1.0	0.625	62.3	−36.8	−13.9	39.3	200.7	8.2	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
240	240_e	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.687	65.3	−35.1	−12.5	37.3	199.6	0.25	1.0	0.75	62.6	−31.9	−21.4	38.4	213.8	9.8	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
241	241_e	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.759	65.4	−31.7	−17.4	36.2	208.7	0.25	1.0	0.875	62.7	−28.1	−29.2	40.5	226.1	12.6	191	0.0	1.0	0.678	55.3	−42.3	−23.2	48.2	208.7
242	242_e	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.843	65.1	−29.0	−21.8	36.3	216.9	0.25	1.0	1.0	59.3	−26.4	−37.8	46.1	235.0	17.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta $E^{*\prime}$ **=** ***11.0***

2−0131030−F0

PS490−7N, 11/22−F

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 12/22

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

n	HIC^*_{Fe}	*rgb*_Fe			*ict*_Fe			$h_{si\_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$				
243	243_e	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.098	32.7	21.0	10.0	23.2	25.4
244	244_e	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.22	32.8	22.9	1.7	22.9	4.3
245	245_e	0.375	0.0	0.25	0.375	0.375	0.187	349	0.353	0.0	0.375	32.5	23.6	−5.6	24.2	346.6
246	246_e	0.375	0.0	0.375	0.375	0.375	0.187	330	0.219	0.0	0.375	29.3	17.5	−10.7	20.5	328.6
247	247_e	0.375	0.0	0.5	0.5	0.5	0.25	316	0.173	0.0	0.5	28.6	18.2	−18.0	25.7	315.3
248	248_e	0.375	0.0	0.625	0.625	0.625	0.312	307	0.147	0.0	0.625	28.3	18.6	−24.8	31.0	306.8
249	249_e	0.375	0.0	0.75	0.75	0.75	0.375	300	0.104	0.0	0.75	29.6	18.3	−31.4	36.4	300.1
250	250_e	0.375	0.0	0.875	0.875	0.875	0.437	295	0.06	0.0	0.875	31.0	18.0	−38.0	42.0	295.4
251	251_e	0.375	0.0	1.0	1.0	1.0	0.5	292	0.026	0.0	1.0	32.3	18.3	−44.1	47.8	292.5
252	252_e	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.066	0.0	35.3	18.4	19.5	26.8	46.6
253	253_e	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.19	38.7	14.0	6.6	15.5	25.4
254	254_e	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.331	39.2	16.3	−2.2	16.5	352.0
255	255_e	0.375	0.125	0.375	0.375	0.25	0.25	330	0.271	0.124	0.375	36.5	11.6	−7.1	13.6	328.6
256	256_e	0.375	0.125	0.5	0.5	0.375	0.312	311	0.232	0.124	0.5	35.8	12.3	−14.3	18.9	310.5
257	257_e	0.375	0.125	0.625	0.625	0.5	0.375	300	0.194	0.125	0.625	36.6	12.2	−20.9	24.2	300.1
258	258_e	0.375	0.125	0.75	0.75	0.625	0.437	293	0.15	0.125	0.75	38.1	11.9	−27.4	29.9	293.5
259	259_e	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.135	0.875	39.6	12.0	−33.6	35.7	289.7
260	260_e	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.17	1.0	41.3	12.0	−39.8	41.6	286.9
261	261_e	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.175	0.0	40.7	8.3	24.3	25.7	71.1
262	262_e	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.204	0.124	42.3	8.8	14.6	17.0	58.8
263	263_e	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.282	44.8	7.0	3.3	7.7	25.4
264	264_e	0.375	0.25	0.375	0.375	0.125	0.312	330	0.323	0.249	0.375	43.6	5.8	−3.5	6.8	328.6
265	265_e	0.375	0.25	0.5	0.5	0.25	0.375	300	0.284	0.249	0.5	43.7	6.1	−10.4	12.1	300.1
266	266_e	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.255	0.625	45.2	6.0	−16.8	17.8	289.7
267	267_e	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.288	0.75	46.9	6.1	−22.9	23.7	285.0
268	268_e	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.322	0.875	48.7	6.2	−28.9	29.5	282.1
269	269_e	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.356	1.0	50.4	6.3	−35.0	35.6	280.2
270	270_e	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.288	0.0	46.2	−1.1	28.8	28.8	92.3
271	271_e	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.317	0.124	47.8	−0.7	19.2	19.2	92.3
272	272_e	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.346	0.249	49.3	−0.3	9.6	9.6	92.3
273	273_e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0
274	274_e	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.407	0.5	52.5	0.1	−6.0	6.0	271.7
275	275_e	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.44	0.625	54.2	0.3	−12.1	12.1	271.7
276	276_e	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.472	0.75	55.8	0.5	−18.2	18.2	271.7
277	277_e	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.505	0.875	57.5	0.7	−24.3	24.3	271.7
278	278_e	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.538	1.0	59.2	0.9	−30.4	30.4	271.7
279	279_e	0.375	0.5	0.0	0.5	0.5	0.25	104	0.348	0.5	0.0	54.8	−13.2	39.2	41.4	108.6
280	280_e	0.375	0.5	0.125	0.5	0.375	0.312	109	0.361	0.5	0.124	54.0	−11.7	25.8	28.4	114.4
281	281_e	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	53.6	−10.4	13.7	17.2	127.2
282	282_e	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.5	−8.2	2.6	8.6	162.2
283	283_e	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.473	54.7	−4.8	−3.6	6.0	216.9
284	284_e	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.546	0.625	57.8	−5.8	−12.1	13.4	244.3
285	285_e	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.565	0.75	59.3	−5.1	−18.5	19.2	254.3
286	286_e	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.592	0.875	60.7	−4.8	−24.7	25.1	258.9
287	287_e	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.619	1.0	62.1	−4.5	−30.8	31.1	261.6
288	288_e	0.375	0.625	0.0	0.625	0.625	0.312	113	0.364	0.625	0.0	57.0	−22.1	39.8	45.6	119.1
289	289_e	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	56.4	−20.8	27.4	34.4	127.2
290	290_e	0.375	0.625	0.25	0.625	0.375	0.437	131	0.365	0.625	0.25	56.6	−19.8	16.5	25.8	140.0
291	291_e	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.411	58.3	−16.4	5.2	17.3	162.2
292	292_e	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.499	58.6	−12.9	−2.1	13.0	189.6
293	293_e	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.572	58.6	−9.6	−7.2	12.1	216.9
294	294_e	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.75	0.747	61.8	−11.4	−15.9	19.6	234.3
295	295_e	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.718	0.875	64.7	−11.6	−24.3	26.9	244.3
296	296_e	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.729	1.0	66.2	−10.8	−31.0	32.8	250.7
297	297_e	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	59.2	−31.3	41.1	51.7	127.2
298	298_e	0.375	0.75	0.125	0.75	0.625	0.437	127	0.353	0.75	0.125	59.3	−30.1	29.7	42.3	135.4
299	299_e	0.375	0.75	0.25	0.75	0.5	0.5	136	0.363	0.75	0.25	59.9	−29.1	19.6	35.1	145.9
300	300_e	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.43	62.0	−24.7	7.9	25.9	162.2
301	301_e	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.513	62.4	−21.4	0.1	21.4	179.5
302	302_e	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.593	62.6	−17.5	−6.2	18.6	199.6
303	303_e	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.671	62.5	−14.5	−10.9	18.1	216.9
304	304_e	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.875	0.849	65.7	−16.5	−19.5	25.6	229.7
305	305_e	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.922	1.0	69.1	−17.4	−27.9	32.9	237.9
306	306_e	0.375	0.875	0.0	0.875	0.875	0.437	125	0.352	0.875	0.0	62.1	−40.5	43.3	59.4	133.0
307	307_e	0.375	0.875	0.125	0.875	0.75	0.5	131	0.356	0.875	0.125	62.5	−39.6	33.1	51.7	140.0
308	308_e	0.375	0.875	0.25	0.875	0.625	0.562	139	0.348	0.875	0.25	63.1	−38.1	22.5	44.2	149.4
309	309_e	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.448	65.8	−32.9	10.5	34.6	162.2
310	310_e	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.535	66.0	−29.9	2.6	30.0	175.0
311	311_e	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.623	66.4	−25.8	−4.3	26.1	189.6
312	312_e	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.686	66.5	−22.1	−9.9	24.2	204.2
313	313_e	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.77	66.4	−19.3	−14.5	24.2	216.9
314	314_e	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	1.0	0.951	69.6	−21.5	−23.1	31.6	227.0
315	315_e	0.375	1.0	0.0	1.0	1.0	0.5	128	0.351	1.0	0.0	65.4	−49.4	46.7	68.0	136.5
316	316_e	0.375	1.0	0.125	1.0	0.875	0.562	134	0.356	1.0	0.125	65.6	−49.1	36.2	61.0	143.5
317	317_e	0.375	1.0	0.25	1.0	0.75	0.625	141	0.329	1.0	0.25	66.4	−47.3	25.4	53.7	151.7
318	318_e	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.466	69.5	−41.2	13.2	43.2	162.2
319	319_e	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.556	69.7	−38.3	5.2	38.7	172.2
320	320_e	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.635	70.2	−34.5	−1.9	34.5	183.2
321	321_e	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.72	70.4	−30.4	−8.7	31.6	195.9
322	322_e	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.785	70.5	−26.9	−13.6	30.2	206.9
323	323_e	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.869	70.3	−24.1	−18.2	30.2	216.9

n	$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
243	0.375	0.0	0.0	31.0	26.1	19.8	32.8	37.1	11.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
244	0.375	0.0	0.125	33.0	25.3	9.6	27.1	20.9	8.3	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
245	0.375	0.0	0.25	32.8	30.2	−2.5	30.3	355.1	7.3	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
246	0.375	0.0	0.375	33.5	35.7	−11.0	37.4	342.8	18.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
247	0.375	0.0	0.5	32.8	37.7	−16.7	41.2	336.0	19.9	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
248	0.375	0.0	0.625	32.2	37.2	−24.4	44.5	326.7	19.0	283	0.235	0.0	1.0	31.0	29.7	−39.7	49.6	306.8
249	0.375	0.0	0.75	33.6	38.5	−29.6	48.6	322.4	20.7	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
250	0.375	0.0	0.875	34.5	38.8	−33.1	51.0	319.5	21.6	273	0.068	0.0	1.0	32.0	20.6	−43.4	48.0	295.4
251	0.375	0.0	1.0	34.2	38.2	−35.0	51.8	317.5	21.9	271	0.026	0.0	1.0	32.3	18.3	−44.1	47.8	292.5
252	0.375	0.125	0.0	36.3	11.9	25.7	28.3	65.0	9.0	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
253	0.375	0.125	0.125	38.6	13.7	16.1	21.2	49.5	9.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
254	0.375	0.125	0.25	37.5	19.2	1.8	19.3	5.6	5.3	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
255	0.375	0.125	0.375	38.9	24.5	−10.7	26.7	336.2	13.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
256	0.375	0.125	0.5	38.4	26.0	−16.9	31.0	326.8	14.2	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
257	0.375	0.125	0.625	38.1	26.4	−24.3	35.9	317.3	14.7	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
258	0.375	0.125	0.75	39.9	26.8	−29.2	39.7	312.5	15.1	272	0.04	0.0	1.0	32.2	19.1	−43.9	47.9	293.5
259	0.375	0.125	0.875	36.6	33.1	−35.8	48.7	312.7	21.3	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
260	0.375	0.125	1.0	36.6	31.2	−36.5	48.1	310.4	19.9	267	0.0	0.052	1.0	33.6	13.8	−45.5	47.5	286.9
261	0.375	0.25	0.0	41.9	0.3	36.3	36.3	89.4	14.4	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
262	0.375	0.25	0.125	46.0	1.9	22.4	22.4	84.9	10.9	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
263	0.375	0.25	0.25	44.2	8.2	6.2	10.3	37.2	3.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
264	0.375	0.25	0.375	44.6	12.6	−8.8	15.4	324.8	8.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
265	0.375	0.25	0.5	43.9	14.9	−17.7	23.1	310.0	11.4	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
266	0.375	0.25	0.625	43.8	16.7	−24.9	30.0	303.9	13.5	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
267	0.375	0.25	0.75	45.3	17.2	−29.4	34.1	300.3	12.9	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
268	0.375	0.25	0.875	41.4	23.7	−37.0	43.9	302.7	20.6	263	0.0	0.115	1.0	34.8	9.9	−46.2	47.3	282.1
269	0.375	0.25	1.0	40.0	23.6	−38.0	44.7	301.8	20.3	262	0.0	0.141	1.0	35.3	8.4	−46.7	47.5	280.2
270	0.375	0.375	0.0	51.3	−10.5	44.1	45.3	103.3	18.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
271	0.375	0.375	0.125	54.5	−9.1	32.2	33.5	105.8	16.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
272	0.375	0.375	0.25	52.7	−5.7	13.0	14.2	113.7	7.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
273	0.375	0.375	0.375	51.9	0.0	−1.3	1.3	267.6	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
274	0.375	0.375	0.5	49.1	2.6	−17.1	17.3	278.8	11.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
275	0.375	0.375	0.625	49.0	5.4	−23.7	24.3	282.9	13.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
276	0.375	0.375	0.75	50.1	8.2	−28.1	29.3	286.2	13.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
277	0.375	0.375	0.875	48.1	13.7	−36.3	38.8	290.6	20.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
278	0.375	0.375	1.0	45.6	15.1	−37.4	40.3	291.9	20.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
279	0.375	0.5	0.0	52.5	−14.9	46.5	48.9	107.8	7.8	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
280	0.375	0.5	0.125	58.4	−15.5	32.6	36.1	115.5	8.8	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
281	0.375	0.5	0.25	57.6	−13.8	15.4	20.6	131.8	5.5	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
282	0.375	0.5	0.375	57.3	−10.5	1.3	10.6	172.6	3.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
283	0.375	0.5	0.5	57.8	−8.1	−14.6	16.7	240.7	11.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
284	0.375	0.5	0.625	55.5	−5.3	−22.4	23.0	256.4	10.4	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
285	0.375	0.5	0.75	55.8	−1.9	−26.2	26.2	265.7	8.9	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
286	0.375	0.5	0.875	55.6	1.9	−34.3	34.3	273.1	12.7	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
287	0.375	0.5	1.0	50.5	7.1	−37.2	37.9	280.8	17.6	247	0.0	0.39	1.0	42.0	−7.2	−49.3	49.8	261.6
288	0.375	0.625	0.0	54.6	−24.7	44.4	50.8	119.1	5.7	114	0.583	1.0	0.0	76.9	−35.5	63.7	73.0	119.1
289	0.375	0.625	0.125	60.5	−24.0	33.1	40.9	125.9	7.7	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
290	0.375	0.625	0.25	59.6	−23.4	16.6	28.7	144.4	4.6	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
291	0.375	0.625	0.375	59.8	−21.2	2.2	21.3	174.0	5.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
292	0.375	0.625	0.5	61.0	−16.0	−9.8	18.8	211.6	8.6	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
293	0.375	0.625	0.625	61.7	−13.9	−20.3	24.6	235.5	14.0	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
294	0.375	0.625	0.75	62.0	−10.7	−25.9	28.0	247.4	10.0	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
295	0.375	0.625	0.875	60.9	−8.3	−30.8	32.0	254.8	8.2	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
296	0.375	0.625	1.0	55.0	−3.9	−38.4	38.6	264.0	15.1	235	0.0	0.567	1.0	48.5	−17.3	−49.6	52.5	250.7
297	0.375	0.75	0.0	59.8	−35.2	45.5	57.5	127.7	5.8	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
298	0.375	0.75	0.125	63.2	−34.1	33.8	48.0	135.2	6.9	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.4
299	0.375	0.75	0.25	63.2	−31.5	18.9	36.8	148.9	4.1	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
300	0.375	0.75	0.375	64.0	−28.1	7.2	29.0	165.5	3.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
301	0.375	0.75	0.5	65.6	−24.0	−3.0	24.2	187.1	5.2	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
302	0.375	0.75	0.625	65.5	−19.9	−16.4	25.8	219.4	10.8	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
303	0.375	0.75	0.75	66.7	−17.2	−24.6	30.1	234.9	14.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
304	0.375	0.75	0.875	66.6	−15.4	−30.4	34.1	243.0	10.9	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
305	0.375	0.75	1.0	65.2	−14.4	−34.4	37.3	247.2	8.1	216	0.0	0.875	1.0	53.1	−27.9	−44.7	52.7	237.9
306	0.375	0.875	0.0	65.1	−42.1	48.4	64.2	131.0	6.1	126	0.402	1.0	0.0	67.5	−46.3	49.5	67.9	133.0
307	0.375	0.875	0.125	68.5	−42.0	41.3	58.9	135.4	10.3	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
308	0.375	0.875	0.25	69.1	−38.0	25.3	45.7	146.3	6.6	141	0.157	1.0	0.0	57.9	−60.9	36.0	70.8	149.4
309	0.375	0.875	0.375	70.2	−35.8	15.5	39.0	156.5	7.2	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
310	0.375	0.875	0.5	70.5	−32.5	4.6	32.8	171.8	5.5	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
311	0.375	0.875	0.625	70.2	−27.4	−7.1	28.4	194.5	5.0	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
312	0.375	0.875	0.75	69.8	−23.6	−19.2	30.4	219.2	10.0	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
313	0.375	0.875	0.875	69.6	−19.7	−29.8	35.8	236.5	15.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
314	0.375	0.875	1.0	69.0	−18.0	−32.5	37.1	240.9	10.0	206	0.0	1.0	0.922	53.9	−34.5	−37.0	50.6	227.0
315	0.375	1.0	0.0	66.5	−47.5	48.0	67.6	134.7	2.5	129	0.351	1.0	0.0	65.4	−49.4	46.7	68.0	136.5
316	0.375	1.0	0.125	65.8	−48.1	40.9	63.2	139.6	4.8	135	0.264	1.0	0.0	61.3	−56.1	41.4	69.8	143.5
317	0.375	1.0	0.25	68.6	−41.6	26.2	49.1	147.8	6.1	144	0.105	1.0	0.0	56.6	−63.0	33.9	71.6	151.7
318	0.375	1.0	0.375	67.7	−40.5	17.5	44.1	156.6	4.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
319	0.375	1.0	0.5	68.0	−37.8	9.0	38.9	166.4	4.2	166	0.0	1.0	0.29	54.1	−61.3	8.3	61.9	172.2
320	0.375	1.0	0.625	69.0	−32.3	−4.1	32.5	187.3	3.3	174	0.0	1.0	0.416	54.8	−55.2	−3.1	55.3	183.2
321	0.375	1.0	0.75	69.0	−27.4	−16.8	32.2	211.4	8.7	183	0.0	1.0	0.552	55.1	−48.7	−13.9	50.6	195.9
322	0.375	1.0	0.875	69.3	−23.5	−24.1	33.7	225.7	11.0	190	0.0	1.0	0.656	55.3	−43.1	−21.9	48.3	206.9
323	0.375	1.0	1.0	67.9	−20.6	−32.1	38.2	237.3	14.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta *E' = *10.9***

2−0131130−F0 PS490−7N, 12/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*Fe	*rgb*_Fe			*ict*_Fe			$h_{si\_F,e}$	*rgb**Fe			*LabCh**Fe					*rgb**'Fe			*LabCh**'Fe					*DE**'Fe	$h_{siM,e}$	*rgb**Me			*LabCh**Me				
324	324_e	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	35.7	28.0	13.3	31.0	25.4	0.5	0.0	0.0	33.0	34.7	23.4	41.8	34.0	12.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
325	325_e	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.25	35.8	29.5	5.1	29.9	9.8	0.5	0.0	0.125	35.0	33.1	15.9	36.8	25.6	11.4	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
326	326_e	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.413	36.6	32.7	−4.5	33.1	352.0	0.5	0.0	0.25	34.5	35.7	4.5	36.0	7.2	9.8	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
327	327_e	0.5	0.0	0.375	0.5	0.5	0.25	344	0.412	0.0	0.5	34.0	29.1	−9.5	30.6	341.8	0.5	0.0	0.375	34.5	40.0	−4.9	40.3	352.9	11.8	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
328	328_e	0.5	0.0	0.5	0.5	0.5	0.25	330	0.292	0.0	0.5	31.1	23.3	−14.2	27.3	328.6	0.5	0.0	0.5	35.4	43.7	−12.1	45.3	344.4	20.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
329	329_e	0.5	0.0	0.625	0.625	0.625	0.312	319	0.242	0.0	0.625	30.5	24.2	−21.6	32.4	318.1	0.5	0.0	0.625	36.0	44.3	−17.4	47.6	338.4	21.2	292	0.387	0.0	1.0	34.5	38.7	−34.6	51.9	318.1
330	330_e	0.5	0.0	0.75	0.75	0.75	0.375	311	0.214	0.0	0.75	29.9	24.6	−28.7	37.8	310.5	0.5	0.0	0.75	36.1	42.9	−25.1	49.7	329.7	19.7	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
331	331_e	0.5	0.0	0.875	0.875	0.875	0.437	305	0.181	0.0	0.875	30.2	24.7	−35.4	43.1	304.9	0.5	0.0	0.875	36.8	43.9	−29.1	52.7	326.4	21.2	281	0.207	0.0	1.0	31.2	28.2	−40.4	49.3	304.9
332	332_e	0.5	0.0	1.0	1.0	1.0	0.5	300	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1	0.5	0.0	1.0	37.2	43.1	−30.8	53.0	324.4	22.5	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
333	333_e	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.054	0.0	37.6	27.4	23.8	36.3	41.0	0.5	0.125	0.0	37.8	21.9	30.7	37.7	54.4	8.7	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
334	334_e	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.223	41.7	21.0	10.0	23.2	25.4	0.5	0.125	0.125	40.9	20.9	22.3	30.6	46.9	12.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
335	335_e	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.345	41.8	22.9	1.7	22.9	4.3	0.5	0.125	0.25	40.4	24.2	10.5	26.4	23.4	8.9	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
336	336_e	0.5	0.125	0.375	0.5	0.375	0.312	349	0.478	0.124	0.5	41.5	23.6	−5.6	24.2	346.6	0.5	0.125	0.375	40.9	29.5	−2.3	29.6	355.4	6.7	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
337	337_e	0.5	0.125	0.5	0.5	0.375	0.312	330	0.344	0.124	0.5	38.3	17.5	−10.7	20.5	328.6	0.5	0.125	0.5	41.4	34.0	−11.7	35.9	340.9	16.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
338	338_e	0.5	0.125	0.625	0.625	0.5	0.375	316	0.298	0.125	0.625	37.6	18.2	−18.0	25.7	315.3	0.5	0.125	0.625	41.7	36.1	−16.8	39.8	334.9	18.3	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
339	339_e	0.5	0.125	0.75	0.75	0.625	0.437	307	0.272	0.125	0.75	37.3	18.6	−24.8	31.0	306.8	0.5	0.125	0.75	42.1	36.6	−22.8	43.1	328.0	18.7	283	0.235	0.0	1.0	31.0	29.7	−39.7	49.6	306.8
340	340_e	0.5	0.125	0.875	0.875	0.75	0.5	300	0.229	0.125	0.875	38.6	18.3	−31.4	36.4	300.1	0.5	0.125	0.875	39.4	40.7	−31.1	51.2	322.5	22.4	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
341	341_e	0.5	0.125	1.0	1.0	0.875	0.562	295	0.185	0.125	1.0	40.0	18.0	−38.0	42.0	295.4	0.5	0.125	1.0	38.1	38.1	−33.2	50.5	318.9	20.7	273	0.068	0.0	1.0	32.0	20.6	−43.4	48.0	295.4
342	342_e	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.159	0.0	42.8	17.6	29.2	34.1	58.8	0.5	0.25	0.0	42.9	9.5	37.9	39.1	75.8	11.8	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
343	343_e	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.191	0.124	44.3	18.4	19.5	26.8	46.6	0.5	0.25	0.125	47.7	9.2	27.3	28.8	71.3	12.5	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
344	344_e	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.315	47.7	14.0	6.6	15.5	25.4	0.5	0.25	0.25	47.3	12.4	14.0	18.8	48.4	7.5	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
345	345_e	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.456	48.2	16.3	−2.2	16.5	352.0	0.5	0.25	0.375	47.4	17.7	0.5	17.7	1.7	3.2	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
346	346_e	0.5	0.25	0.5	0.5	0.25	0.375	330	0.396	0.249	0.5	45.5	11.6	−7.1	13.6	328.6	0.5	0.25	0.5	48.2	22.5	−10.7	24.9	334.5	11.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
347	347_e	0.5	0.25	0.625	0.625	0.375	0.437	311	0.357	0.25	0.625	44.8	12.3	−14.3	18.9	310.5	0.5	0.25	0.625	47.0	26.3	−16.8	31.2	327.4	14.4	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
348	348_e	0.5	0.25	0.75	0.75	0.5	0.5	300	0.319	0.25	0.75	45.6	12.2	−20.9	24.2	300.1	0.5	0.25	0.75	47.2	25.4	−23.0	34.2	317.8	13.4	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
349	349_e	0.5	0.25	0.875	0.875	0.625	0.562	293	0.275	0.25	0.875	47.1	11.9	−27.4	29.9	293.5	0.5	0.25	0.875	44.2	30.7	−32.3	44.6	313.5	19.6	272	0.04	0.0	1.0	32.2	19.1	−43.9	47.9	293.5
350	350_e	0.5	0.25	1.0	1.0	0.75	0.625	289	0.25	0.26	1.0	48.5	12.0	−33.6	35.7	289.7	0.5	0.25	1.0	41.5	30.8	−33.9	45.9	312.2	20.0	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
351	351_e	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.275	0.0	48.0	8.0	34.1	35.0	76.7	0.5	0.375	0.0	49.5	−1.5	44.7	44.8	92.0	14.4	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
352	352_e	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.3	0.124	49.7	8.3	24.3	25.7	71.1	0.5	0.375	0.125	55.2	−1.8	35.0	35.0	93.0	15.7	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
353	353_e	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.329	0.249	51.3	8.8	14.6	17.0	58.8	0.5	0.375	0.25	55.5	1.1	20.0	20.0	86.5	10.2	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
354	354_e	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.407	53.8	7.0	3.3	7.7	25.4	0.5	0.375	0.375	55.3	6.0	4.5	7.5	37.0	2.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
355	355_e	0.5	0.375	0.5	0.5	0.125	0.437	330	0.448	0.375	0.5	52.6	5.8	−3.5	6.8	328.6	0.5	0.375	0.5	55.1	10.6	−8.5	13.6	321.0	7.3	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
356	356_e	0.5	0.375	0.625	0.625	0.25	0.5	300	0.409	0.375	0.625	52.7	6.1	−10.4	12.1	300.1	0.5	0.375	0.625	53.7	15.0	−15.6	21.7	313.8	10.3	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
357	357_e	0.5	0.375	0.75	0.75	0.375	0.562	289	0.375	0.38	0.75	54.2	6.0	−16.8	17.8	289.7	0.5	0.375	0.75	52.8	15.2	−22.5	27.2	304.0	10.9	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
358	358_e	0.5	0.375	0.875	0.875	0.5	0.625	284	0.375	0.413	0.875	55.9	6.1	−22.9	23.7	285.0	0.5	0.375	0.875	51.3	19.7	−31.2	36.9	302.2	16.6	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
359	359_e	0.5	0.375	1.0	1.0	0.625	0.687	281	0.375	0.447	1.0	57.7	6.2	−28.9	29.5	282.1	0.5	0.375	1.0	48.9	19.7	−33.2	38.6	300.6	16.6	263	0.0	0.115	1.0	34.8	9.9	−46.2	47.3	282.1
360	360_e	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.384	0.0	53.7	−1.5	38.4	38.4	92.3	0.5	0.5	0.0	58.4	−9.8	54.3	55.2	100.3	18.5	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
361	361_e	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.413	0.124	55.2	−1.1	28.8	28.8	92.3	0.5	0.5	0.125	63.3	−10.2	43.2	44.4	103.3	18.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
362	362_e	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.442	0.249	56.8	−0.7	19.2	19.2	92.3	0.5	0.5	0.25	63.4	−8.3	26.8	28.1	107.2	12.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
363	363_e	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.471	0.375	58.3	−0.3	9.6	9.6	92.3	0.5	0.5	0.375	62.4	−4.5	10.1	11.1	114.2	5.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
364	364_e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.2	0.0	−1.2	1.2	268.4	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
365	365_e	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.532	0.625	61.5	0.1	−6.0	6.0	271.7	0.5	0.5	0.625	60.7	2.8	−14.6	14.9	280.9	9.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
366	366_e	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.565	0.75	63.2	0.3	−12.1	12.1	271.7	0.5	0.5	0.75	59.3	5.1	−20.9	21.5	283.9	10.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
367	367_e	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.597	0.875	64.8	0.5	−18.2	18.2	271.7	0.5	0.5	0.875	58.7	9.0	−29.2	30.6	287.1	15.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
368	368_e	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.63	1.0	66.5	0.7	−24.3	24.3	271.7	0.5	0.5	1.0	54.8	11.5	−32.2	34.2	289.7	17.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
369	369_e	0.5	0.625	0.0	0.625	0.625	0.312	101	0.46	0.625	0.0	64.5	−14.2	52.6	54.5	105.1	0.5	0.625	0.0	62.4	−14.6	58.2	60.1	104.1	6.0	104	0.736	1.0	0.0	89.0	−22.7	84.1	87.2	105.1
370	370_e	0.5	0.625	0.125	0.625	0.5	0.375	104	0.473	0.625	0.125	63.8	−13.2	39.2	41.4	108.6	0.5	0.625	0.125	66.6	−15.4	47.2	49.7	108.1	8.8	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
371	371_e	0.5	0.625	0.25	0.625	0.375	0.437	109	0.486	0.625	0.25	63.0	−11.7	25.8	28.4	114.4	0.5	0.625	0.25	66.7	−14.9	30.6	34.1	116.0	6.8	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
372	372_e	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	62.6	−10.4	13.7	17.2	127.2	0.5	0.625	0.375	67.2	−12.6	14.5	19.3	131.0	5.1	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
373	373_e	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.5	−8.2	2.6	8.6	162.2	0.5	0.625	0.5	68.1	−10.3	1.1	10.3	173.6	5.2	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
374	374_e	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.598	63.7	−4.8	−3.6	6.0	216.9	0.5	0.625	0.625	67.6	−7.6	−13.2	15.3	240.0	10.7	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
375	375_e	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.671	0.75	66.8	−5.8	−12.1	13.4	244.3	0.5	0.625	0.75	66.4	−4.0	−18.8	19.2	257.9	6.9	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
376	376_e	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.69	0.875	68.3	−5.1	−18.5	19.2	254.3	0.5	0.625	0.875	65.0	−2.1	−26.5	26.6	265.4	9.2	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
377	377_e	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.717	1.0	69.7	−4.8	−24.7	25.1	258.9	0.5	0.625	1.0	61.1	1.9	−31.0	31.1	273.5	12.6	244	0.0	0.434	1.0	43.6	−9.6	−49.4	50.3	258.9
378	378_e	0.5	0.75	0.0	0.75	0.75	0.375	109	0.473	0.75	0.0	66.2	−23.5	51.7	56.8	114.4	0.5	0.75	0.0	68.3	−23.0	59.6	63.9	111.1	8.2	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
379	379_e	0.5	0.75	0.125	0.75	0.625	0.437	113	0.489	0.75	0.125	66.0	−22.1	39.8	45.6	119.1	0.5	0.75	0.125	71.0	−23.7	51.2	56.4	114.8	12.5	114	0.583	1.0	0.0	76.9	−35.5	63.7	73.0	119.1
380	380_e	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	65.4	−20.8	27.4	34.4	127.2	0.5	0.75	0.25	70.5	−23.0	31.5	39.0	126.1	6.8	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
381	381_e	0.5	0.75	0.375	0.75	0.375	0.562	131	0.49	0.75	0.375	65.6	−19.8	16.5	25.8	140.0	0.5	0.75	0.375	70.5	−21.9	16.7	27.5	142.6	5.3	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
382	382_e	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.536	67.3	−16.4	5.2	17.3	162.2	0.5	0.75	0.5	71.5	−17.7	5.1	18.4	163.7	4.3	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
383	383_e	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.624	67.6	−12.9	−2.1	13.0	189.6	0.5	0.75	0.625	71.7	−14.2	−8.4	16.5	210.8	7.6	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
384	384_e	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.697	67.6	−9.6	−7.2	12.1	216.9	0.5	0.75	0.75	71.8	−13.8	−19.5	23.9	234.6	13.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
385	385_e	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.875	0.872	70.8	−11.4	−15.9	19.6	234.3	0.5	0.75	0.875	71.1	−12.0	−24.9	27.6	244.2	9.0	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
386	386_e	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.843	1.0	73.7	−11.6	−24.3	26.9	244.3	0.5	0.75	1.0	67.8	−8.8	−30.1	31.4	253.6	8.8	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
387	387_e	0.5	0.875	0.0	0.875	0.875	0.437	115	0.489	0.875	0.0	68.8	−32.7	53.6	62.8	121.4	0.5	0.875	0.0	72.6	−31.6	60.6	68.4	117.5	8.0	116	0.559	1.0	0.0	75.2	−37.4	61.2	71.8	121.4
388	388_e	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	68.2	−31.3	41.1	51.7	127.2	0.5	0.875	0.125	73.5	−32.7	52.2	61.7	122.0	12.4	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
389	389_e	0.5	0.875	0.25	0.875	0.625	0.562	127	0.478	0.875	0.25	68.3	−30.1	29.7	42.3	135.4	0.5	0.875	0.25	72.6	−31.8	30.2	43.8	136.4	4.6	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.4
390	390_e	0.5	0.875	0.375	0.875	0.5	0.625	136	0.488	0.875	0.375	68.9	−29.1	19.6	35.1	145.9	0.5	0.875	0.375	72.3	−31.3	18.4	36.3	149.5	4.3	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
391	391_e	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.555	71.0	−24.7	7.9	25.9	162.2	0.5	0.875	0.5	73.6	−28.3	8.6	29.5	163.0	4.4	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
392	392_e	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.638	71.4	−21.4	0.1	21.4	179.5	0.5	0.875	0.625	74.8	−24.7	−0.8	24.7	181.9	4.8	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
393	393_e	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.718	71.6	−17.5	−6.2	18.6	199.6	0.5	0.875	0.75	74.3	−20.6	−15.5	25.8	217.0	10.1	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
394	394_e	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.796	71.5	−14.5	−10.9	18.1	216.9	0.5	0.875	0.875	74.6	−17.1	−25.0	30.3	235.6	14.7	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
395	395_e	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	1.0	0.974	74.7	−16.5	−19.5	25.6	229.7	0.5	0.875	1.0	72.3	−14.9	−28.6	32.3	242.4	9.5	207	0.0	1.0	0.948	53.6	−33.1	−39.1	51.2	229.7
396	396_e	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2	0.5	1.0	0.0	70.9	−41.7	54.8	68.9	127.3	0.0	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
397	397_e	0.5	1.0	0.125	1.0	0.875	0.562	125	0.477	1.0	0.125	71.0	−40.5	43.3	59.4	133.0	0.5	1.0	0.125	71.6	−40.9	49.7	64.4	129.4	6.3	126	0.402	1.0	0.0	67.5	−46.3	49.5	67.9	133.0
398	398_e	0.5	1.0	0.25	1.0	0.75	0.625	131	0.481	1.0	0.25	71.5	−39.6	33.1	51.7	140.0	0.5	1.0	0.25	71.0	−39.5	34.9	52.7	138.5	1.8	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
399	399_e	0.5	1.0	0.375	1.0	0.625	0.687	139	0.473	1.0	0.375	72.1	−38.1	22.5	44.2	149.4	0.5	1.0	0.375	72.8	−34.1	19.5	39.4	150.1	4.9	141	0.157	1.0	0.0	57.9	−60.9	36.0	70.8	149.4
400	400_e	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.573	74.8	−32.9	10.5	34.6	162.2	0.5	1.0	0.5	74.1	−30.5	11.7	32.6	158.9	2.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
401	401_e	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.66	75.0	−29.9	2.6	30.0	175.0	0.5	1.0	0.625	74.3	−28.1	3.1	28.3	173.6	2.0	168	0.0	1.0	0.32	54.3	−59.8	5.2	60.1	175.0
402	402_e	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.748	75.4	−25.8	−4.3	26.1	189.6	0.5	1.0	0.75	74.5	−23.4	−10.6	25.7	204.5	6.8	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
403	403_e	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.811	75.5	−22.1	−9.9	24.2	204.2	0.5	1.0	0.875	73.9	−20.3	−19.9	28.5	224.5	10.3	188	0.0	1.0	0.622	55.3	−44.3	−19.9	48.5	204.2
404	404_e	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.895	75.4	−19.3	−14.5	24.2	216.9	0.5	1.0	1.0	73.7	−17.1	−27.4	32.3	238.0	13.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta *E' = *10.9***

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

2−0131230−F0   PS490−7N, 13/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

n	HIC^*_{Fe}	$rgb_{\_Fe}$			$ict_{\_Fe}$			$h_{si\_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$				
405	405_e	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.164	38.6	35.0	16.7	38.8	25.4
406	406_e	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.284	38.7	36.4	8.5	37.4	13.2
407	407_e	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.412	39.1	39.1	0.0	39.1	359.8
408	408_e	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.562	39.7	41.2	−6.9	41.8	350.4
409	409_e	0.625	0.0	0.5	0.625	0.625	0.312	341	0.473	0.0	0.625	35.2	34.6	−13.2	37.1	339.0
410	410_e	0.625	0.0	0.625	0.625	0.625	0.312	330	0.365	0.0	0.625	33.0	29.2	−17.8	34.2	328.6
411	411_e	0.625	0.0	0.75	0.75	0.75	0.375	321	0.316	0.0	0.75	32.4	30.0	−25.1	39.2	320.0
412	412_e	0.625	0.0	0.875	0.875	0.875	0.437	314	0.282	0.0	0.875	31.7	30.7	−32.4	44.6	313.4
413	413_e	0.625	0.0	1.0	1.0	1.0	0.5	308	0.249	0.0	1.0	31.0	30.5	−39.4	49.8	307.7
414	414_e	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.038	0.0	40.0	35.0	27.1	44.3	37.7
415	415_e	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.256	44.7	28.0	13.3	31.0	25.4
416	416_e	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.375	44.8	29.5	5.1	29.9	9.8
417	417_e	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.538	45.6	32.7	−4.5	33.1	352.0
418	418_e	0.625	0.125	0.5	0.625	0.5	0.375	344	0.537	0.125	0.625	43.0	29.1	−9.5	30.6	341.8
419	419_e	0.625	0.125	0.625	0.625	0.5	0.375	330	0.417	0.125	0.625	40.1	23.3	−14.2	27.3	328.6
420	420_e	0.625	0.125	0.75	0.75	0.625	0.437	319	0.367	0.125	0.75	39.5	24.2	−21.6	32.4	318.1
421	421_e	0.625	0.125	0.875	0.875	0.75	0.5	311	0.339	0.125	0.875	38.9	24.6	−28.7	37.8	310.5
422	422_e	0.625	0.125	1.0	1.0	0.875	0.562	305	0.306	0.125	1.0	39.2	24.7	−35.4	43.1	304.9
423	423_e	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.143	0.0	44.7	27.4	34.0	43.6	51.0
424	424_e	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.179	0.125	46.6	27.4	23.8	36.3	41.0
425	425_e	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.348	50.7	21.0	10.0	23.2	25.4
426	426_e	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.47	50.8	22.9	1.7	22.9	4.3
427	427_e	0.625	0.25	0.5	0.625	0.375	0.437	349	0.603	0.25	0.625	50.5	23.6	−5.6	24.2	346.6
428	428_e	0.625	0.25	0.625	0.625	0.375	0.437	330	0.469	0.25	0.625	47.3	17.5	−10.7	20.5	328.6
429	429_e	0.625	0.25	0.75	0.75	0.5	0.5	316	0.423	0.25	0.75	46.6	18.2	−18.0	25.7	315.3
430	430_e	0.625	0.25	0.875	0.875	0.625	0.562	307	0.397	0.25	0.875	46.3	18.6	−24.8	31.0	306.8
431	431_e	0.625	0.25	1.0	1.0	0.75	0.625	300	0.354	0.25	1.0	47.6	18.3	−31.4	36.4	300.1
432	432_e	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.257	0.0	50.4	16.7	38.9	42.4	66.6
433	433_e	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.284	0.125	51.8	17.6	29.2	34.1	58.8
434	434_e	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.316	0.25	53.3	18.4	19.5	26.8	46.6
435	435_e	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.44	56.7	14.0	6.6	15.5	25.4
436	436_e	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.581	57.2	16.3	−2.2	16.5	352.0
437	437_e	0.625	0.375	0.625	0.625	0.25	0.5	330	0.521	0.375	0.625	54.5	11.6	−7.1	13.6	328.6
438	438_e	0.625	0.375	0.75	0.75	0.375	0.562	311	0.482	0.375	0.75	53.8	12.3	−14.3	18.9	310.5
439	439_e	0.625	0.375	0.875	0.875	0.5	0.625	300	0.444	0.375	0.875	54.6	12.2	−20.9	24.2	300.1
440	440_e	0.625	0.375	1.0	1.0	0.625	0.687	293	0.4	0.375	1.0	56.0	11.9	−27.4	29.9	293.5
441	441_e	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.382	0.0	55.4	7.7	43.9	44.6	80.0
442	442_e	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.4	0.125	57.0	8.0	34.1	35.0	76.7
443	443_e	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.425	0.25	58.7	8.3	24.3	25.7	71.1
444	444_e	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.454	0.375	60.3	8.8	14.6	17.0	58.8
445	445_e	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.532	62.8	7.0	3.3	7.7	25.4
446	446_e	0.625	0.5	0.625	0.625	0.125	0.562	330	0.573	0.5	0.625	61.6	5.8	−3.5	6.8	328.6
447	447_e	0.625	0.5	0.75	0.75	0.25	0.625	300	0.534	0.5	0.75	61.7	6.1	−10.4	12.1	300.1
448	448_e	0.625	0.5	0.875	0.875	0.375	0.687	289	0.5	0.505	0.875	63.2	6.0	−16.8	17.8	289.7
449	449_e	0.625	0.5	1.0	1.0	0.5	0.75	284	0.5	0.538	1.0	64.9	6.1	−22.9	23.7	285.0
450	450_e	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.48	0.0	61.2	−1.9	48.0	48.0	92.3
451	451_e	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.509	0.125	62.7	−1.5	38.4	38.4	92.3
452	452_e	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.538	0.25	64.2	−1.1	28.8	28.8	92.3
453	453_e	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.567	0.375	65.7	−0.7	19.2	19.2	92.3
454	454_e	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.596	0.5	67.3	−0.3	9.6	9.6	92.3
455	455_e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0
456	456_e	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.657	0.75	70.5	0.1	−6.0	6.0	271.7
457	457_e	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.69	0.875	72.2	0.3	−12.1	12.1	271.7
458	458_e	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.722	1.0	73.8	0.5	−18.2	18.2	271.7
459	459_e	0.625	0.75	0.0	0.75	0.75	0.375	99	0.606	0.75	0.0	74.4	−14.9	65.7	67.4	102.7
460	460_e	0.625	0.75	0.125	0.75	0.625	0.437	101	0.585	0.75	0.125	73.5	−14.2	52.6	54.5	105.1
461	461_e	0.625	0.75	0.25	0.75	0.5	0.5	104	0.598	0.75	0.25	72.8	−13.2	39.2	41.4	108.6
462	462_e	0.625	0.75	0.375	0.75	0.375	0.562	109	0.611	0.75	0.375	72.0	−11.7	25.8	28.4	114.4
463	463_e	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	71.6	−10.4	13.7	17.2	127.2
464	464_e	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.5	−8.2	2.6	8.6	162.2
465	465_e	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.723	72.7	−4.8	−3.6	6.0	216.9
466	466_e	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.796	0.875	75.8	−5.8	−12.1	13.4	244.3
467	467_e	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.815	1.0	77.3	−5.1	−18.5	19.2	254.3
468	468_e	0.625	0.875	0.0	0.875	0.875	0.437	106	0.587	0.875	0.0	76.1	−25.0	65.4	70.0	110.9
469	469_e	0.625	0.875	0.125	0.875	0.75	0.5	109	0.598	0.875	0.125	75.2	−23.5	51.7	56.8	114.4
470	470_e	0.625	0.875	0.25	0.875	0.625	0.562	113	0.614	0.875	0.25	75.0	−22.1	39.8	45.6	119.1
471	471_e	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	74.4	−20.8	27.4	34.4	127.2
472	472_e	0.625	0.875	0.5	0.875	0.375	0.687	131	0.615	0.875	0.5	74.6	−19.8	16.5	25.8	140.0
473	473_e	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.661	76.3	−16.4	5.2	17.3	162.2
474	474_e	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.749	76.6	−12.9	−2.1	13.0	189.6
475	475_e	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.822	76.6	−9.6	−7.2	12.1	216.9
476	476_e	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	1.0	0.997	79.8	−11.4	−15.9	19.6	234.3
477	477_e	0.625	1.0	0.0	1.0	1.0	0.5	112	0.595	1.0	0.0	77.7	−34.4	64.9	73.5	117.9
478	478_e	0.625	1.0	0.125	1.0	0.875	0.562	115	0.614	1.0	0.125	77.8	−32.7	53.6	62.8	121.4
479	479_e	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	77.2	−31.3	41.1	51.7	127.2
480	480_e	0.625	1.0	0.375	1.0	0.625	0.687	127	0.603	1.0	0.375	77.3	−30.1	29.7	42.3	135.4
481	481_e	0.625	1.0	0.5	1.0	0.5	0.75	136	0.613	1.0	0.5	77.9	−29.1	19.6	35.1	145.9
482	482_e	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.68	80.0	−24.7	7.9	25.9	162.2
483	483_e	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.763	80.4	−21.4	0.1	21.4	179.5
484	484_e	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.843	80.6	−17.5	−6.2	18.6	199.6
485	485_e	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.921	80.5	−14.5	−10.9	18.1	216.9

n	$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
405	0.625	0.0	0.0	36.3	40.2	26.2	48.0	33.1	11.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
406	0.625	0.0	0.125	37.1	40.1	21.9	45.7	28.6	13.9	362	1.0	0.0	0.454	47.6	58.3	13.7	59.9	13.2
407	0.625	0.0	0.25	36.4	41.6	12.6	43.4	16.8	13.2	349	1.0	0.0	0.659	48.3	62.6	−0.1	62.6	359.8
408	0.625	0.0	0.375	36.9	45.2	0.9	45.2	1.1	9.2	335	1.0	0.0	0.899	49.2	66.0	−11.1	66.9	350.4
409	0.625	0.0	0.5	37.2	49.0	−7.9	49.6	350.7	15.4	316	0.756	0.0	1.0	42.1	55.4	−21.2	59.3	339.0
410	0.625	0.0	0.625	37.9	49.8	−14.9	52.0	343.3	21.4	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
411	0.625	0.0	0.75	38.9	50.3	−20.0	54.1	338.3	21.8	294	0.421	0.0	1.0	35.3	40.1	−33.5	52.3	320.0
412	0.625	0.0	0.875	39.3	49.4	−24.6	55.2	333.4	21.6	288	0.322	0.0	1.0	32.9	35.0	−37.0	51.0	313.4
413	0.625	0.0	1.0	39.1	48.4	−27.2	55.6	330.6	23.1	283	0.249	0.0	1.0	31.0	30.5	−39.4	49.8	307.7
414	0.625	0.125	0.0	40.3	31.8	34.0	46.6	46.8	7.5	33	1.0	0.06	0.0	49.7	56.0	43.3	70.8	37.7
415	0.625	0.125	0.125	44.2	28.5	28.7	40.5	45.1	15.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
416	0.625	0.125	0.25	43.5	29.7	15.8	33.7	28.0	10.8	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
417	0.625	0.125	0.375	43.7	33.1	4.7	33.5	8.0	9.4	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
418	0.625	0.125	0.5	43.8	38.9	−5.6	39.3	351.7	10.6	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
419	0.625	0.125	0.625	44.4	41.4	−12.9	43.4	342.7	18.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
420	0.625	0.125	0.75	44.8	43.5	−17.8	47.0	337.7	20.4	292	0.387	0.0	1.0	34.5	38.7	−34.6	51.9	318.1
421	0.625	0.125	0.875	44.1	46.8	−24.2	52.7	332.6	23.2	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
422	0.625	0.125	1.0	41.0	43.2	−29.0	52.0	326.1	19.6	281	0.207	0.0	1.0	31.2	28.2	−40.4	49.3	304.9
423	0.625	0.25	0.0	45.9	19.0	40.0	44.3	64.5	10.4	42	1.0	0.229	0.0	57.2	43.9	54.4	69.9	51.0
424	0.625	0.25	0.125	50.5	16.9	33.1	37.2	62.8	14.4	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
425	0.625	0.25	0.25	50.5	18.8	20.3	27.7	47.2	10.5	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
426	0.625	0.25	0.375	50.6	22.5	8.2	24.0	19.9	6.4	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
427	0.625	0.25	0.5	51.8	27.5	−4.1	27.8	351.4	4.4	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
428	0.625	0.25	0.625	52.0	30.3	−11.7	32.5	338.7	13.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
429	0.625	0.25	0.75	52.3	31.0	−15.4	34.7	333.4	14.2	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
430	0.625	0.25	0.875	50.3	37.1	−24.3	44.3	326.7	18.9	283	0.235	0.0	1.0	31.0	29.7	−39.7	49.6	306.8
431	0.625	0.25	1.0	45.0	36.4	−29.0	46.6	321.4	18.5	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
432	0.625	0.375	0.0	51.0	6.3	45.7	46.2	82.0	12.4	54	1.0	0.411	0.0	66.3	26.8	62.3	67.8	66.6
433	0.625	0.375	0.125	57.4	6.1	39.1	39.6	81.0	16.1	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
434	0.625	0.375	0.25	57.6	8.9	25.0	26.5	70.2	11.7	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
435	0.625	0.375	0.375	58.1	11.8	11.2	16.3	43.4	5.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
436	0.625	0.375	0.5	59.0	15.5	−0.3	15.5	358.8	2.7	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
437	0.625	0.375	0.625	59.5	19.7	−8.9	21.7	335.6	9.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
438	0.625	0.375	0.75	58.0	21.5	−14.7	26.1	325.7	10.1	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
439	0.625	0.375	0.875	56.8	27.0	−23.8	36.0	318.5	15.2	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
440	0.625	0.375	1.0	51.8	26.1	−28.3	38.6	312.6	14.8	272	0.04	0.0	1.0	32.2	19.1	−43.9	47.9	293.5
441	0.625	0.5	0.0	60.5	−3.4	56.6	56.7	93.4	17.6	67	1.0	0.611	0.0	74.4	12.3	70.3	71.3	80.0
442	0.625	0.5	0.125	64.8	−4.4	49.8	50.0	95.0	21.5	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
443	0.625	0.5	0.25	66.0	−2.3	33.6	33.7	94.0	15.9	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
444	0.625	0.5	0.375	65.6	1.4	17.9	17.9	85.5	9.7	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
445	0.625	0.5	0.5	65.7	5.9	3.3	6.8	29.2	3.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
446	0.625	0.5	0.625	66.0	10.0	−6.8	12.1	325.7	6.9	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
447	0.625	0.5	0.75	64.0	12.6	−14.1	18.9	311.9	7.8	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
448	0.625	0.5	0.875	63.7	17.1	−22.5	28.3	307.1	12.4	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
449	0.625	0.5	1.0	58.6	17.0	−26.9	31.9	302.3	13.2	266	0.0	0.077	1.0	34.1	12.2	−45.8	47.4	285.0
450	0.625	0.625	0.0	69.0	−11.6	64.7	65.7	100.2	20.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
451	0.625	0.625	0.125	72.2	−11.5	57.1	58.2	101.4	23.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
452	0.625	0.625	0.25	73.6	−10.3	39.6	40.9	104.5	16.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
453	0.625	0.625	0.375	73.4	−7.2	24.6	25.7	106.2	11.4	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
454	0.625	0.625	0.5	73.6	−3.7	7.8	8.7	115.5	7.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
455	0.625	0.625	0.625	72.6	0.0	−1.0	1.0	269.8	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
456	0.625	0.625	0.75	71.3	2.6	−12.5	12.8	281.7	6.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
457	0.625	0.625	0.875	70.0	4.8	−20.0	20.6	283.6	9.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
458	0.625	0.625	1.0	65.8	6.5	−25.3	26.1	284.4	12.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
459	0.625	0.75	0.0	76.9	−16.4	72.1	74.0	102.8	7.0	100	0.808	1.0	0.0	91.3	−19.9	87.6	89.8	102.7
460	0.625	0.75	0.125	77.9	−16.7	61.6	63.9	105.1	10.3	104	0.736	1.0	0.0	89.0	−22.7	84.1	87.2	105.1
461	0.625	0.75	0.25	78.2	−15.5	44.3	46.9	109.2	7.7	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
462	0.625	0.75	0.375	77.8	−14.2	29.5	32.8	115.8	7.2	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
463	0.625	0.75	0.5	77.7	−12.0	15.9	19.9	126.9	6.6	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
464	0.625	0.75	0.625	77.9	−9.9	1.7	10.0	169.7	5.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
465	0.625	0.75	0.75	78.0	−6.9	−10.4	12.5	236.2	8.9	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
466	0.625	0.75	0.875	75.9	−4.2	−17.9	18.4	256.7	5.9	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
467	0.625	0.75	1.0	71.6	−4.4	−25.0	25.4	259.8	8.6	239	0.0	0.508	1.0	46.4	−13.8	−49.4	51.3	254.3
468	0.625	0.875	0.0	81.1	−22.3	74.3	77.5	106.7	10.5	108	0.67	1.0	0.0	83.6	−28.6	74.7	80.0	110.9
469	0.625	0.875	0.125	80.8	−22.7	66.0	69.9	109.0	15.4	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
470	0.625	0.875	0.25	80.4	−21.1	43.8	48.6	115.7	6.7	114	0.583	1.0	0.0	76.9	−35.5	63.7	73.0	119.1
471	0.625	0.875	0.375	80.0	−21.4	31.6	38.1	124.1	7.0	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
472	0.625	0.875	0.5	80.2	−20.3	18.6	27.6	137.6	5.9	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
473	0.625	0.875	0.625	82.0	−16.8	8.8	19.0	152.2	6.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
474	0.625	0.875	0.75	81.6	−14.3	−5.4	15.3	200.6	6.1	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
475	0.625	0.875	0.875	81.5	−12.0	−17.9	21.6	236.0	11.9	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
476	0.625	0.875	1.0	78.2	−11.8	−22.1	25.0	241.8	6.3	209	0.0	1.0	0.992	53.2	−30.5	−42.5	52.3	234.3
477	0.625	1.0	0.0	79.9	−31.7	67.9	75.0	115.0	4.5	113	0.595	1.0	0.0	77.7	−34.4	64.9	73.5	117.9
478	0.625	1.0	0.125	82.0	−29.5	65.0	71.4	114.4	12.5	116	0.559	1.0	0.0	75.2	−37.4	61.2	71.8	121.4
479	0.625	1.0	0.25	79.5	−31.2	50.7	59.6	121.6	9.9	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
480	0.625	1.0	0.375	77.8	−30.6	32.6	44.7	133.1	3.0	128	0.366	1.0	0.0	66.1	−48.2	47.5	67.7	135.4
481	0.625	1.0	0.5	79.6	−26.0	19.7	32.6	142.9	3.5	137	0.227	1.0	0.0	59.9	−58.2	39.3	70.2	145.9
482	0.625	1.0	0.625	81.7	−21.5	10.6	24.0	153.7	4.5	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
483	0.625	1.0	0.75	82.0	−18.1	0.0	18.1	179.9	3.6	171	0.0	1.0	0.37	54.7	−57.0	0.4	57.0	179.5
484	0.625	1.0	0.875	80.6	−15.2	−13.3	20.3	221.2	7.4	185	0.0	1.0	0.583	55.2	−46.8	−16.7	49.7	199.6
485	0.625	1.0	1.0	79.2	−13.6	−21.2	25.2	237.2	10.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta $E^{*\prime}$ = *11.3*

2−0131330−F0

PS490−7N, 14/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

n	HIC*Fe	rgb_Fe			ict_Fe			hsi_F,e	rgb*Fe			LabCh*Fe				
486	486e	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.197	41.6	42.0	20.0	46.5	25.4
487	487e	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.317	41.6	43.3	11.9	45.0	15.4
488	488e	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.441	41.9	45.8	3.4	45.9	4.3
489	489e	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.62	43.0	49.1	−6.8	49.6	352.0
490	490e	0.75	0.0	0.5	0.75	0.75	0.375	349	0.706	0.0	0.75	41.2	47.2	−11.2	48.5	346.6
491	491e	0.75	0.0	0.625	0.75	0.75	0.375	339	0.543	0.0	0.75	36.9	40.4	−17.0	43.8	337.1
492	492e	0.75	0.0	0.75	0.75	0.75	0.375	330	0.438	0.0	0.75	34.8	35.0	−21.4	41.0	328.6
493	493e	0.75	0.0	0.875	0.875	0.875	0.437	322	0.383	0.0	0.875	34.2	35.7	−28.8	45.9	321.0
494	494e	0.75	0.0	1.0	1.0	1.0	0.5	316	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
495	495e	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.021	0.0	42.4	42.5	30.3	52.2	35.5
496	496e	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.289	47.6	35.0	16.7	38.8	25.4
497	497e	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.409	47.7	36.4	8.5	37.4	13.2
498	498e	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.537	48.1	39.1	0.0	39.1	359.8
499	499e	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.687	48.7	41.2	−6.9	41.8	350.4
500	500e	0.75	0.125	0.625	0.75	0.625	0.437	341	0.598	0.125	0.75	44.2	34.6	−13.2	37.1	339.0
501	501e	0.75	0.125	0.75	0.75	0.625	0.437	330	0.49	0.125	0.75	42.0	29.2	−17.8	34.2	328.6
502	502e	0.75	0.125	0.875	0.875	0.75	0.5	321	0.441	0.125	0.875	41.4	30.0	−25.1	39.2	320.0
503	503e	0.75	0.125	1.0	1.0	0.875	0.562	314	0.407	0.125	1.0	40.7	30.7	−32.4	44.6	313.4
504	504e	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.132	0.0	46.9	36.8	39.0	53.7	46.6
505	505e	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.163	0.125	49.0	35.0	27.1	44.3	37.7
506	506e	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	53.7	28.0	13.3	31.0	25.4
507	507e	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.5	53.8	29.5	5.1	29.9	9.8
508	508e	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.663	54.6	32.7	−4.5	33.1	352.0
509	509e	0.75	0.25	0.625	0.75	0.5	0.5	344	0.662	0.25	0.75	52.0	29.1	−9.5	30.6	341.8
510	510e	0.75	0.25	0.75	0.75	0.5	0.5	330	0.542	0.25	0.75	49.1	23.3	−14.2	27.3	328.6
511	511e	0.75	0.25	0.875	0.875	0.625	0.562	319	0.492	0.25	0.875	48.5	24.2	−21.6	32.4	318.1
512	512e	0.75	0.25	1.0	1.0	0.75	0.625	311	0.464	0.25	1.0	47.9	24.6	−28.7	37.8	310.5
513	513e	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.239	0.0	52.3	26.4	43.8	51.1	58.8
514	514e	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.268	0.125	53.7	27.4	34.0	43.6	51.0
515	515e	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.304	0.25	55.6	27.4	23.8	36.3	41.0
516	516e	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.473	59.7	21.0	10.0	23.2	25.4
517	517e	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.595	59.8	22.9	1.7	22.9	4.3
518	518e	0.75	0.375	0.625	0.75	0.375	0.562	349	0.728	0.375	0.75	59.5	23.6	−5.6	24.2	346.6
519	519e	0.75	0.375	0.75	0.75	0.375	0.562	330	0.594	0.375	0.75	56.3	17.5	−10.7	20.5	328.6
520	520e	0.75	0.375	0.875	0.875	0.5	0.625	316	0.548	0.375	0.875	55.6	18.2	−18.0	25.7	315.3
521	521e	0.75	0.375	1.0	1.0	0.625	0.687	307	0.522	0.375	1.0	55.3	18.6	−24.8	31.0	306.8
522	522e	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.35	0.0	57.6	16.6	48.6	51.4	71.1
523	523e	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.382	0.125	59.4	16.7	38.9	42.4	66.6
524	524e	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.409	0.25	60.8	17.6	29.2	34.1	58.8
525	525e	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.441	0.375	62.3	18.4	19.5	26.8	46.6
526	526e	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.565	65.7	14.0	6.6	15.5	25.4
527	527e	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.706	66.2	16.3	−2.2	16.5	352.0
528	528e	0.75	0.5	0.75	0.75	0.25	0.625	330	0.646	0.5	0.75	63.5	11.6	−7.1	13.6	328.6
529	529e	0.75	0.5	0.875	0.875	0.375	0.687	311	0.607	0.5	0.875	62.8	12.3	−14.3	18.9	310.5
530	530e	0.75	0.5	1.0	1.0	0.5	0.75	300	0.569	0.5	1.0	63.6	12.2	−20.9	24.2	300.1
531	531e	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.481	0.0	62.9	7.2	53.8	54.3	82.2
532	532e	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.507	0.125	64.4	7.7	43.9	44.6	80.0
533	533e	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.525	0.25	66.0	8.0	34.1	35.0	76.7
534	534e	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.55	0.375	67.7	8.3	24.3	25.7	71.1
535	535e	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.579	0.5	69.3	8.8	14.6	17.0	58.8
536	536e	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.657	71.8	7.0	3.3	7.7	25.4
537	537e	0.75	0.625	0.75	0.75	0.125	0.687	330	0.698	0.625	0.75	70.6	5.8	−3.5	6.8	328.6
538	538e	0.75	0.625	0.875	0.875	0.25	0.75	300	0.659	0.625	0.875	70.7	6.1	−10.4	12.1	300.1
539	539e	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.63	1.0	72.2	6.0	−16.8	17.8	289.7
540	540e	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.576	0.0	68.7	−2.3	57.6	57.6	92.3
541	541e	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.605	0.125	70.2	−1.9	48.0	48.0	92.3
542	542e	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.634	0.25	71.7	−1.5	38.4	38.4	92.3
543	543e	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.663	0.375	73.2	−1.1	28.8	28.8	92.3
544	544e	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.692	0.5	74.7	−0.7	19.2	19.2	92.3
545	545e	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.721	0.625	76.3	−0.3	9.6	9.6	92.3
546	546e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0
547	547e	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.782	0.875	79.5	0.1	−6.0	6.0	271.7
548	548e	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.815	1.0	81.2	0.3	−12.1	12.1	271.7
549	549e	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	84.0	−16.0	78.0	79.7	101.6
550	550e	0.75	0.875	0.125	0.875	0.75	0.5	99	0.731	0.875	0.125	83.4	−14.9	65.7	67.4	102.7
551	551e	0.75	0.875	0.25	0.875	0.625	0.562	101	0.71	0.875	0.25	82.5	−14.2	52.6	54.5	105.1
552	552e	0.75	0.875	0.375	0.875	0.5	0.625	104	0.723	0.875	0.375	81.8	−13.2	39.2	41.4	108.6
553	553e	0.75	0.875	0.5	0.875	0.375	0.687	109	0.736	0.875	0.5	81.0	−11.7	25.8	28.4	114.4
554	554e	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	80.6	−10.4	13.7	17.2	127.2
555	555e	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.5	−8.2	2.6	8.6	162.2
556	556e	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.848	81.7	−4.8	−3.6	6.0	216.9
557	557e	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.921	1.0	84.8	−5.8	−12.1	13.4	244.3
558	558e	0.75	1.0	0.0	1.0	1.0	0.5	104	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
559	559e	0.75	1.0	0.125	1.0	0.875	0.562	106	0.712	1.0	0.125	85.1	−25.0	65.4	70.0	110.9
560	560e	0.75	1.0	0.25	1.0	0.75	0.625	109	0.723	1.0	0.25	84.2	−23.5	51.7	56.8	114.4
561	561e	0.75	1.0	0.375	1.0	0.625	0.687	113	0.739	1.0	0.375	84.0	−22.1	39.8	45.6	119.1
562	562e	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	83.4	−20.8	27.4	34.4	127.2
563	563e	0.75	1.0	0.625	1.0	0.375	0.812	131	0.74	1.0	0.625	83.6	−19.8	16.5	25.8	140.0
564	564e	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.786	85.3	−16.4	5.2	17.3	162.2
565	565e	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.874	85.6	−12.9	−2.1	13.0	189.6
566	566e	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.947	85.6	−9.6	−7.2	12.1	216.9

n	rgb*'Fe			LabCh*'Fe					DE*'Fe	hsiM,e	rgb*Me			LabCh*Me				
486	0.75	0.0	0.0	39.7	47.0	29.4	55.5	32.0	10.8	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
487	0.75	0.0	0.125	39.0	46.5	23.4	52.0	26.7	12.1	365	1.0	0.0	0.423	47.5	57.8	15.9	60.0	15.4
488	0.75	0.0	0.25	39.4	47.0	16.3	49.8	19.1	13.1	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
489	0.75	0.0	0.375	39.3	48.8	6.0	49.2	7.1	13.4	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
490	0.75	0.0	0.5	39.5	52.9	−4.1	53.1	355.4	9.2	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
491	0.75	0.0	0.625	39.9	55.3	−11.1	56.4	348.6	16.3	314	0.725	0.0	1.0	41.3	53.8	−22.7	58.4	337.1
492	0.75	0.0	0.75	41.1	54.2	−16.4	56.6	343.1	20.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
493	0.75	0.0	0.875	42.0	54.2	−21.0	58.1	338.8	21.5	295	0.438	0.0	1.0	35.7	40.8	−33.0	52.4	321.0
494	0.75	0.0	1.0	41.8	55.1	−21.4	59.1	338.7	25.1	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
495	0.75	0.125	0.0	44.9	42.3	40.8	58.8	43.9	10.8	31	1.0	0.028	0.0	48.6	56.7	40.4	69.6	35.5
496	0.75	0.125	0.125	45.5	36.3	31.1	47.8	40.6	14.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
497	0.75	0.125	0.25	45.6	37.0	22.6	43.3	31.4	14.2	362	1.0	0.0	0.454	47.6	58.3	13.7	59.9	13.2
498	0.75	0.125	0.375	45.0	38.4	14.5	41.1	20.7	15.0	349	1.0	0.0	0.659	48.3	62.6	−0.1	62.6	359.8
499	0.75	0.125	0.5	45.2	42.6	3.5	42.7	4.7	11.1	335	1.0	0.0	0.899	49.2	66.0	−11.1	66.9	350.4
500	0.75	0.125	0.625	45.8	46.9	−5.5	47.2	353.2	14.6	316	0.756	0.0	1.0	42.1	55.4	−21.2	59.3	339.0
501	0.75	0.125	0.75	46.6	48.7	−13.3	50.5	344.6	20.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
502	0.75	0.125	0.875	47.1	50.2	−17.9	53.3	340.2	22.1	294	0.421	0.0	1.0	35.3	40.1	−33.5	52.3	320.0
503	0.75	0.125	1.0	45.0	50.7	−22.1	55.3	336.3	22.8	288	0.322	0.0	1.0	32.9	35.0	−37.0	51.0	313.4
504	0.75	0.25	0.0	52.2	26.4	47.8	54.6	61.1	14.6	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
505	0.75	0.25	0.125	52.1	26.6	36.8	45.4	54.0	13.1	33	1.0	0.06	0.0	49.7	56.0	43.3	70.8	37.7
506	0.75	0.25	0.25	52.4	27.1	25.3	37.1	43.0	12.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
507	0.75	0.25	0.375	52.3	29.3	16.1	33.5	28.8	11.1	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
508	0.75	0.25	0.5	53.2	30.6	5.9	31.2	10.9	10.8	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
509	0.75	0.25	0.625	53.9	34.9	−4.4	35.2	352.6	7.9	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
510	0.75	0.25	0.75	53.9	38.1	−12.4	40.1	341.9	15.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
511	0.75	0.25	0.875	54.3	40.1	−17.3	43.7	336.6	17.4	292	0.387	0.0	1.0	34.5	38.7	−34.6	51.9	318.1
512	0.75	0.25	1.0	50.3	42.9	−22.8	48.6	332.0	19.4	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
513	0.75	0.375	0.0	57.7	15.3	53.6	55.7	74.0	15.7	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
514	0.75	0.375	0.125	57.9	16.7	44.5	47.5	69.3	15.5	42	1.0	0.229	0.0	57.2	43.9	54.4	69.9	51.0
515	0.75	0.375	0.25	58.5	17.2	29.7	34.3	59.9	12.1	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
516	0.75	0.375	0.375	59.1	18.5	19.5	26.9	46.3	9.8	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
517	0.75	0.375	0.5	60.1	19.9	9.2	21.9	24.9	8.1	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
518	0.75	0.375	0.625	60.2	24.2	−2.3	24.3	354.5	3.4	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
519	0.75	0.375	0.75	60.1	28.2	−10.2	30.0	339.9	11.3	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
520	0.75	0.375	0.875	60.4	31.7	−15.9	35.5	333.4	14.4	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
521	0.75	0.375	1.0	55.2	36.2	−21.7	42.2	329.0	17.9	283	0.235	0.0	1.0	31.0	29.7	−39.7	49.6	306.8
522	0.75	0.5	0.0	64.3	4.5	59.9	60.1	85.6	17.8	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
523	0.75	0.5	0.125	65.5	5.4	54.3	54.6	84.2	20.0	54	1.0	0.411	0.0	66.3	26.8	62.3	67.8	66.6
524	0.75	0.5	0.25	66.1	6.5	36.1	36.6	79.7	14.0	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
525	0.75	0.5	0.375	65.9	8.9	24.5	26.0	70.0	11.3	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
526	0.75	0.5	0.5	67.2	10.6	12.7	16.5	50.1	7.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
527	0.75	0.5	0.625	66.8	15.1	1.2	15.1	4.5	3.7	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
528	0.75	0.5	0.75	67.6	18.9	−8.5	20.7	335.7	8.4	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
529	0.75	0.5	0.875	67.3	22.2	−14.9	26.7	326.1	10.9	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
530	0.75	0.5	1.0	63.6	27.1	−18.8	33.0	325.2	15.0	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
531	0.75	0.625	0.0	74.6	−5.8	70.9	71.1	94.7	24.5	69	1.0	0.642	0.0	76.0	9.7	71.7	72.4	82.2
532	0.75	0.625	0.125	74.4	−5.5	62.8	63.0	95.0	25.1	67	1.0	0.611	0.0	74.4	12.3	70.3	71.3	80.0
533	0.75	0.625	0.25	74.9	−4.2	44.3	44.5	95.4	18.2	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
534	0.75	0.625	0.375	74.3	−1.7	32.4	32.5	93.0	14.5	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
535	0.75	0.625	0.5	74.4	1.9	18.6	18.7	83.9	9.4	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
536	0.75	0.625	0.625	74.3	5.7	4.5	7.2	38.4	3.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
537	0.75	0.625	0.75	74.6	9.1	−6.0	11.0	326.5	5.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
538	0.75	0.625	0.875	74.2	11.9	−13.4	17.9	311.5	7.4	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
539	0.75	0.625	1.0	70.8	15.8	−17.3	23.4	312.2	9.8	269	0.0	0.014	1.0	32.8	16.1	−44.8	47.6	289.7
540	0.75	0.75	0.0	82.5	−14.5	79.4	80.7	100.3	28.5	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
541	0.75	0.75	0.125	80.8	−12.8	69.9	71.1	100.3	26.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
542	0.75	0.75	0.25	81.7	−11.5	50.7	52.0	102.8	18.7	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
543	0.75	0.75	0.375	81.5	−9.8	39.7	40.9	103.9	16.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
544	0.75	0.75	0.5	82.0	−7.4	26.0	27.0	106.0	11.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
545	0.75	0.75	0.625	81.7	−3.4	10.1	10.7	108.5	6.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
546	0.75	0.75	0.75	80.4	0.0	−0.3	0.3	272.2	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
547	0.75	0.75	0.875	80.3	0.6	−10.9	10.9	273.3	4.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
548	0.75	0.75	1.0	79.6	1.5	−15.6	15.7	275.5	3.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
549	0.75	0.875	0.0	88.3	−17.0	85.8	87.5	101.2	8.9	97	0.867	1.0	0.0	92.6	−18.3	89.2	91.0	101.6
550	0.75	0.875	0.125	86.1	−17.4	77.8	79.8	102.6	12.6	100	0.808	1.0	0.0	91.3	−19.9	87.6	89.8	102.7
551	0.75	0.875	0.25	85.5	−15.8	55.1	57.3	106.0	4.2	104	0.736	1.0	0.0	89.0	−22.7	84.1	87.2	105.1
552	0.75	0.875	0.375	85.0	−15.6	44.9	47.5	109.1	6.9	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
553	0.75	0.875	0.5	85.3	−14.5	32.0	35.2	114.4	8.0	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
554	0.75	0.875	0.625	85.2	−11.9	19.1	22.5	122.0	7.2	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
555	0.75	0.875	0.75	86.6	−10.0	4.2	10.8	156.9	5.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
556	0.75	0.875	0.875	86.1	−7.0	−10.1	12.3	235.0	8.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
557	0.75	0.875	1.0	85.2	−7.4	−13.5	15.4	241.1	2.1	227	0.0	0.686	1.0	51.7	−23.3	−48.6	53.9	244.3
558	0.75	1.0	0.0	90.1	−21.3	86.0	88.6	103.9	10.0	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
559	0.75	1.0	0.125	88.1	−22.6	76.4	79.7	106.4	11.6	108	0.67	1.0	0.0	83.6	−28.6	74.7	80.0	110.9
560	0.75	1.0	0.25	87.9	−22.5	61.0	65.0	110.2	10.0	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
561	0.75	1.0	0.375	86.7	−23.1	50.9	55.9	114.4	11.4	114	0.583	1.0	0.0	76.9	−35.5	63.7	73.0	119.1
562	0.75	1.0	0.5	86.2	−21.9	37.8	43.7	120.1	10.8	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
563	0.75	1.0	0.625	86.4	−18.8	22.4	29.3	130.0	6.5	132	0.308	1.0	0.0	63.4	−52.8	44.2	68.9	140.0
564	0.75	1.0	0.75	87.8	−14.8	11.5	18.8	142.1	6.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
565	0.75	1.0	0.875	86.9	−11.7	−3.1	12.1	194.8	1.9	179	0.0	1.0	0.497	55.0	−51.6	−8.7	52.3	189.6
566	0.75	1.0	1.0	85.2	−9.7	−14.0	17.1	235.4	6.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta $E^{*\prime}$ = 12.4

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*e
salida: transfiera a *cmyk*e

2-0131430-F0

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC^*_{Fe}	*rgb*$_{\_Fe}$			*ict*$_{\_Fe}$			$h_{si\_F,e}$	rgb^*_{Fe}			$LabCh^*_{Fe}$				
567	567_e	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.23	44.5	49.0	23.3	54.3	25.4
568	568_e	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.357	44.5	50.3	14.9	52.5	16.5
569	569_e	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.469	44.8	52.4	7.0	52.9	7.6
570	570_e	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.608	45.6	55.5	−2.2	55.6	357.6
571	571_e	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.716	46.2	57.2	−7.7	57.8	352.3
572	572_e	0.875	0.0	0.625	0.875	0.875	0.437	346	0.762	0.0	0.875	42.8	52.5	−15.2	54.6	343.7
573	573_e	0.875	0.0	0.75	0.875	0.875	0.437	338	0.621	0.0	0.875	38.8	46.4	−20.5	50.8	336.1
574	574_e	0.875	0.0	0.875	0.875	0.875	0.437	330	0.511	0.0	0.875	36.6	40.9	−24.9	47.9	328.6
575	575_e	0.875	0.0	1.0	1.0	1.0	0.5	323	0.455	0.0	1.0	36.1	41.4	−32.4	52.6	321.9
576	576_e	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.011	0.0	45.0	49.8	34.1	60.4	34.3
577	577_e	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.322	50.6	42.0	20.0	46.5	25.4
578	578_e	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.442	50.6	43.3	11.9	45.0	15.4
579	579_e	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.566	50.9	45.8	3.4	45.9	4.3
580	580_e	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.745	52.0	49.1	−6.8	49.6	352.0
581	581_e	0.875	0.125	0.625	0.875	0.75	0.5	349	0.831	0.125	0.875	50.2	47.2	−11.2	48.5	346.6
582	582_e	0.875	0.125	0.75	0.875	0.75	0.5	339	0.668	0.125	0.875	45.9	40.4	−17.0	43.8	337.1
583	583_e	0.875	0.125	0.875	0.875	0.75	0.5	330	0.563	0.125	0.875	43.8	35.0	−21.4	41.0	328.6
584	584_e	0.875	0.125	1.0	1.0	0.875	0.562	322	0.508	0.125	1.0	43.2	35.7	−28.8	45.9	321.0
585	585_e	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.12	0.0	49.0	46.4	43.7	63.7	43.3
586	586_e	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.146	0.125	51.4	42.5	30.3	52.2	35.5
587	587_e	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.414	56.6	35.0	16.7	38.8	25.4
588	588_e	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.534	56.7	36.4	8.5	37.4	13.2
589	589_e	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.662	57.1	39.1	0.0	39.1	359.8
590	590_e	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.812	57.7	41.2	−6.9	41.8	350.4
591	591_e	0.875	0.25	0.75	0.875	0.625	0.562	341	0.723	0.25	0.875	53.2	34.6	−13.2	37.1	339.0
592	592_e	0.875	0.25	0.875	0.875	0.625	0.562	330	0.615	0.25	0.875	51.0	29.2	−17.8	34.2	328.6
593	593_e	0.875	0.25	1.0	1.0	0.75	0.625	321	0.566	0.25	1.0	50.4	30.0	−25.1	39.2	320.0
594	594_e	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.223	0.0	54.2	36.1	48.5	60.5	53.3
595	595_e	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.257	0.125	55.9	36.8	39.0	53.7	46.6
596	596_e	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.288	0.25	58.0	35.0	27.1	44.3	37.7
597	597_e	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.506	62.7	28.0	13.3	31.0	25.4
598	598_e	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.625	62.8	29.5	5.1	29.9	9.8
599	599_e	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.788	63.6	32.7	−4.5	33.1	352.0
600	600_e	0.875	0.375	0.75	0.875	0.5	0.625	344	0.787	0.375	0.875	61.0	29.1	−9.5	30.6	341.8
601	601_e	0.875	0.375	0.875	0.875	0.5	0.625	330	0.667	0.375	0.875	58.1	23.3	−14.2	27.3	328.6
602	602_e	0.875	0.375	1.0	1.0	0.625	0.687	319	0.617	0.375	1.0	57.5	24.2	−21.6	32.4	318.1
603	603_e	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.336	0.0	59.9	25.4	53.2	59.0	64.4
604	604_e	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.364	0.125	61.3	26.4	43.8	51.1	58.8
605	605_e	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.393	0.25	62.7	27.4	34.0	43.6	51.0
606	606_e	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.429	0.375	64.6	27.4	23.8	36.3	41.0
607	607_e	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.598	68.7	21.0	10.0	23.2	25.4
608	608_e	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.72	68.8	22.9	1.7	22.9	4.3
609	609_e	0.875	0.5	0.75	0.875	0.375	0.687	349	0.853	0.5	0.875	68.5	23.6	−5.6	24.2	346.6
610	610_e	0.875	0.5	0.875	0.875	0.375	0.687	330	0.719	0.5	0.875	65.3	17.5	−10.7	20.5	328.6
611	611_e	0.875	0.5	1.0	1.0	0.5	0.75	316	0.673	0.5	1.0	64.6	18.2	−18.0	25.7	315.3
612	612_e	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.447	0.0	65.0	16.2	58.4	60.6	74.4
613	613_e	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.475	0.125	66.6	16.6	48.6	51.4	71.1
614	614_e	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.507	0.25	68.4	16.7	38.9	42.4	66.6
615	615_e	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.534	0.375	69.8	17.6	29.2	34.1	58.8
616	616_e	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.566	0.5	71.3	18.4	19.5	26.8	46.6
617	617_e	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.69	74.7	14.0	6.6	15.5	25.4
618	618_e	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.831	75.2	16.3	−2.2	16.5	352.0
619	619_e	0.875	0.625	0.875	0.875	0.25	0.75	330	0.771	0.625	0.875	72.5	11.6	−7.1	13.6	328.6
620	620_e	0.875	0.625	1.0	1.0	0.375	0.812	311	0.732	0.625	1.0	71.8	12.3	−14.3	18.9	310.5
621	621_e	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.573	0.0	70.2	7.3	63.4	63.8	83.4
622	622_e	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.606	0.125	71.9	7.2	53.8	54.3	82.2
623	623_e	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.632	0.25	73.4	7.7	43.9	44.6	80.0
624	624_e	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.65	0.375	75.0	8.0	34.1	35.0	76.7
625	625_e	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.675	0.5	76.7	8.3	24.3	25.7	71.1
626	626_e	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.704	0.625	78.3	8.8	14.6	17.0	58.8
627	627_e	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.782	80.8	7.0	3.3	7.7	25.4
628	628_e	0.875	0.75	0.875	0.875	0.125	0.812	330	0.823	0.75	0.875	79.6	5.8	−3.5	6.8	328.6
629	629_e	0.875	0.75	1.0	1.0	0.25	0.875	300	0.784	0.75	1.0	79.7	6.1	−10.4	12.1	300.1
630	630_e	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.672	0.0	76.1	−2.7	67.2	67.2	92.3
631	631_e	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.701	0.125	77.7	−2.3	57.6	57.6	92.3
632	632_e	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.73	0.25	79.2	−1.9	48.0	48.0	92.3
633	633_e	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.759	0.375	80.7	−1.5	38.4	38.4	92.3
634	634_e	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.788	0.5	82.2	−1.1	28.8	28.8	92.3
635	635_e	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.817	0.625	83.7	−0.7	19.2	19.2	92.3
636	636_e	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.846	0.75	85.3	−0.3	9.6	9.6	92.3
637	637_e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0
638	638_e	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.907	1.0	88.5	0.1	−6.0	6.0	271.7
639	639_e	0.875	1.0	0.0	1.0	1.0	0.5	97	1.0	0.995	0.0	91.4	−15.5	84.4	85.8	100.4
640	640_e	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	93.0	−16.0	78.0	79.7	101.6
641	641_e	0.875	1.0	0.25	1.0	0.75	0.625	99	0.856	1.0	0.25	92.4	−14.9	65.7	67.4	102.7
642	642_e	0.875	1.0	0.375	1.0	0.625	0.687	101	0.835	1.0	0.375	91.5	−14.2	52.6	54.5	105.1
643	643_e	0.875	1.0	0.5	1.0	0.5	0.75	104	0.848	1.0	0.5	90.8	−13.2	39.2	41.4	108.6
644	644_e	0.875	1.0	0.625	1.0	0.375	0.812	109	0.861	1.0	0.625	90.0	−11.7	25.8	28.4	114.4
645	645_e	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	89.6	−10.4	13.7	17.2	127.2
646	646_e	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.5	−8.2	2.6	8.6	162.2
647	647_e	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.973	90.7	−4.8	−3.6	6.0	216.9

n	$rgb^{*\prime}_{Fe}$			$LabCh^{*\prime}_{Fe}$					$DE^{*\prime}_{Fe}$	$h_{siM,e}$	rgb^*_{Me}			$LabCh^*_{Me}$				
567	0.875	0.0	0.0	43.6	51.3	31.6	60.2	31.6	8.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
568	0.875	0.0	0.125	43.2	51.0	26.3	57.5	27.3	11.5	366	1.0	0.0	0.408	47.5	57.5	17.1	60.0	16.5
569	0.875	0.0	0.25	43.0	51.3	20.1	55.1	21.4	13.2	357	1.0	0.0	0.536	47.8	59.9	8.0	60.4	7.6
570	0.875	0.0	0.375	43.3	53.1	10.6	54.2	11.3	13.4	347	1.0	0.0	0.695	48.7	63.4	−2.6	63.5	357.6
571	0.875	0.0	0.5	43.4	55.6	1.4	55.6	1.4	9.6	339	1.0	0.0	0.818	49.4	65.4	−8.8	66.0	352.3
572	0.875	0.0	0.625	43.8	59.4	−6.7	59.8	353.5	11.0	323	0.87	0.0	1.0	45.5	60.0	−17.4	62.5	343.7
573	0.875	0.0	0.75	45.4	60.7	−12.7	62.1	348.1	17.5	313	0.71	0.0	1.0	41.0	53.1	−23.4	58.0	336.1
574	0.875	0.0	0.875	45.5	59.0	−16.8	61.4	344.0	21.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
575	0.875	0.0	1.0	45.6	60.1	−17.3	62.6	343.9	25.8	297	0.455	0.0	1.0	36.1	41.4	−32.4	52.6	321.9
576	0.875	0.125	0.0	49.7	50.4	46.7	68.7	42.8	13.4	30	1.0	0.012	0.0	48.0	57.0	39.0	69.1	34.3
577	0.875	0.125	0.125	49.6	47.7	41.6	63.3	41.1	22.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
578	0.875	0.125	0.25	49.6	47.9	30.7	56.9	32.6	19.3	365	1.0	0.0	0.423	47.5	57.8	15.9	60.0	15.4
579	0.875	0.125	0.375	49.3	49.0	22.0	53.8	24.1	18.9	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
580	0.875	0.125	0.5	49.5	51.8	11.4	53.0	12.4	18.6	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
581	0.875	0.125	0.625	49.1	55.8	0.5	55.8	0.6	14.6	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
582	0.875	0.125	0.75	50.0	58.8	−10.1	59.7	350.2	20.1	314	0.725	0.0	1.0	41.3	53.8	−22.7	58.4	337.1
583	0.875	0.125	0.875	49.2	57.7	−16.2	60.0	344.2	23.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
584	0.875	0.125	1.0	48.0	56.9	−17.9	59.6	342.4	24.3	295	0.438	0.0	1.0	35.7	40.8	−33.0	52.4	321.0
585	0.875	0.25	0.0	56.8	35.4	52.6	63.5	56.0	16.1	37	1.0	0.138	0.0	52.6	53.0	49.9	72.8	43.3
586	0.875	0.25	0.125	55.4	36.3	46.0	58.6	51.6	17.3	31	1.0	0.028	0.0	48.6	56.7	40.4	69.6	35.5
587	0.875	0.25	0.25	56.9	34.5	32.7	47.5	43.4	16.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
588	0.875	0.25	0.375	56.3	36.2	24.8	43.9	34.4	16.3	362	1.0	0.0	0.454	47.6	58.3	13.7	59.9	13.2
589	0.875	0.25	0.5	56.0	38.3	15.0	41.1	21.4	15.2	349	1.0	0.0	0.659	48.3	62.6	−0.1	62.6	359.8
590	0.875	0.25	0.625	56.4	42.0	3.3	42.1	4.6	10.4	335	1.0	0.0	0.899	49.2	66.0	−11.1	66.9	350.4
591	0.875	0.25	0.75	57.2	45.5	−6.6	46.0	351.7	13.3	316	0.756	0.0	1.0	42.1	55.4	−21.2	59.3	339.0
592	0.875	0.25	0.875	56.8	46.5	−14.0	48.6	343.1	18.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
593	0.875	0.25	1.0	54.7	48.9	−16.3	51.6	341.5	21.2	294	0.421	0.0	1.0	35.3	40.1	−33.5	52.3	320.0
594	0.875	0.375	0.0	63.1	24.3	58.4	63.2	67.4	17.8	44	1.0	0.255	0.0	58.5	41.3	55.4	69.1	53.3
595	0.875	0.375	0.125	61.5	24.8	49.6	55.5	63.3	16.9	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
596	0.875	0.375	0.25	62.3	24.9	36.0	43.8	55.3	14.1	33	1.0	0.06	0.0	49.7	56.0	43.3	70.8	37.7
597	0.875	0.375	0.375	62.9	25.1	26.0	36.2	45.9	12.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
598	0.875	0.375	0.5	63.1	27.5	16.1	31.9	30.3	11.1	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
599	0.875	0.375	0.625	63.0	30.1	6.9	30.9	12.9	11.8	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
600	0.875	0.375	0.75	63.3	35.2	−4.9	35.6	352.0	8.0	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
601	0.875	0.375	0.875	63.7	36.7	−11.8	38.6	342.1	14.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
602	0.875	0.375	1.0	61.4	37.8	−15.8	41.0	337.2	15.3	292	0.387	0.0	1.0	34.5	38.7	−34.6	51.9	318.1
603	0.875	0.5	0.0	69.2	12.9	63.8	65.1	78.5	18.8	52	1.0	0.384	0.0	65.0	29.0	60.9	67.5	64.4
604	0.875	0.5	0.125	68.1	14.1	57.3	59.0	76.1	19.5	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
605	0.875	0.5	0.25	68.9	13.2	41.0	43.0	72.1	17.0	42	1.0	0.229	0.0	57.2	43.9	54.4	69.9	51.0
606	0.875	0.5	0.375	68.6	15.1	30.6	34.1	63.7	14.6	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
607	0.875	0.5	0.5	69.6	16.7	20.0	26.1	50.1	10.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
608	0.875	0.5	0.625	69.4	20.1	10.8	22.8	28.2	9.5	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
609	0.875	0.5	0.75	69.6	25.1	−1.8	25.1	355.7	4.2	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
610	0.875	0.5	0.875	70.1	27.6	−10.7	29.6	338.7	11.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
611	0.875	0.5	1.0	68.5	30.3	−13.8	33.3	335.5	13.3	289	0.347	0.0	1.0	33.5	36.5	−36.1	51.4	315.3
612	0.875	0.625	0.0	77.1	2.9	72.8	72.8	87.7	23.0	60	1.0	0.511	0.0	70.9	18.5	66.7	69.2	74.4
613	0.875	0.625	0.125	75.1	3.8	67.0	67.1	86.6	23.8	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
614	0.875	0.625	0.25	76.2	3.2	47.4	47.5	86.1	17.8	54	1.0	0.411	0.0	66.3	26.8	62.3	67.8	66.6
615	0.875	0.625	0.375	75.2	5.6	36.6	37.1	81.2	15.1	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
616	0.875	0.625	0.5	75.3	8.1	24.0	25.3	71.3	11.9	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
617	0.875	0.625	0.625	75.6	9.9	14.6	17.7	55.7	8.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
618	0.875	0.625	0.75	75.6	14.7	1.8	14.8	6.9	4.4	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
619	0.875	0.625	0.875	76.2	18.4	−8.1	20.1	336.1	7.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
620	0.875	0.625	1.0	75.8	22.9	−10.8	25.4	334.7	11.9	286	0.285	0.0	1.0	31.9	32.8	−38.2	50.4	310.5
621	0.875	0.75	0.0	85.1	−6.3	81.4	81.6	94.4	27.0	70	1.0	0.655	0.0	76.8	8.3	72.4	72.9	83.4
622	0.875	0.75	0.125	82.9	−5.9	74.6	74.8	94.5	26.9	69	1.0	0.642	0.0	76.0	9.7	71.7	72.4	82.2
623	0.875	0.75	0.25	83.0	−5.2	54.0	54.2	95.5	19.0	67	1.0	0.611	0.0	74.4	12.3	70.3	71.3	80.0
624	0.875	0.75	0.375	82.7	−3.2	43.0	43.2	94.3	16.3	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
625	0.875	0.75	0.5	82.9	−1.4	31.5	31.5	92.5	13.5	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
626	0.875	0.75	0.625	82.4	2.3	19.4	19.6	83.2	9.1	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
627	0.875	0.75	0.75	82.5	5.3	5.3	7.5	45.2	3.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
628	0.875	0.75	0.875	83.5	8.3	−5.9	10.2	324.7	5.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
629	0.875	0.75	1.0	83.1	9.3	−9.9	13.6	313.2	4.6	277	0.138	0.0	1.0	31.5	24.4	−41.9	48.5	300.1
630	0.875	0.875	0.0	90.6	−14.9	87.7	89.0	99.6	27.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
631	0.875	0.875	0.125	88.8	−13.7	80.1	81.3	99.7	27.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
632	0.875	0.875	0.25	88.5	−11.8	61.7	62.9	100.8	19.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
633	0.875	0.875	0.375	88.3	−10.9	49.4	50.6	102.4	16.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
634	0.875	0.875	0.5	89.3	−9.0	38.2	39.3	103.3	14.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
635	0.875	0.875	0.625	89.2	−6.5	26.1	27.0	104.1	10.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
636	0.875	0.875	0.75	90.3	−3.9	10.6	11.3	110.2	6.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
637	0.875	0.875	0.875	90.8	0.0	−0.1	0.1	266.5	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
638	0.875	0.875	1.0	89.8	−0.7	−7.0	7.0	263.6	1.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
639	0.875	1.0	0.0	92.8	−18.1	89.4	91.2	101.4	5.8	89	1.0	0.995	0.0	91.4	−15.5	84.4	85.8	100.4
640	0.875	1.0	0.125	91.8	−17.4	83.6	85.4	101.7	5.8	97	0.867	1.0	0.0	92.6	−18.3	89.2	91.0	101.6
641	0.875	1.0	0.25	91.2	−16.1	65.6	67.6	103.7	1.6	100	0.808	1.0	0.0	91.3	−19.9	87.6	89.8	102.7
642	0.875	1.0	0.375	91.1	−15.5	54.5	56.7	105.9	2.4	104	0.736	1.0	0.0	89.0	−22.7	84.1	87.2	105.1
643	0.875	1.0	0.5	91.5	−15.4	44.3	46.9	109.1	5.6	107	0.697	1.0	0.0	85.8	−26.4	78.5	82.9	108.6
644	0.875	1.0	0.625	92.3	−14.1	33.3	36.2	113.0	8.1	111	0.631	1.0	0.0	80.4	−31.3	68.9	75.7	114.4
645	0.875	1.0	0.75	92.1	−11.7	19.6	22.8	120.8	6.5	119	0.5	1.0	0.0	71.0	−41.7	54.8	68.9	127.2
646	0.875	1.0	0.875	91.7	−7.8	3.2	8.5	157.4	1.3	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
647	0.875	1.0	1.0	90.5	−5.6	−7.3	9.3	232.4	3.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9

delta $E^{*\prime}$ = *13.7*

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fe}$	*rgb*_Fe			*ict*_Fe			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$				
648	648$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
649	649$_e$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.392	47.4	57.2	18.2	60.0	17.6
650	650$_e$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
651	651$_e$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.641	48.1	62.2	1.0	62.2	0.9
652	652$_e$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
653	653$_e$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.964	48.5	65.6	−12.2	66.7	349.4
654	654$_e$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
655	655$_e$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.696	0.0	1.0	40.6	52.3	−24.1	57.6	335.2
656	656$_e$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
657	657$_e$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.0	0.012	47.5	57.1	37.5	68.3	33.2
658	658$_e$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.355	53.5	49.0	23.3	54.3	25.4
659	659$_e$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.482	53.5	50.3	14.9	52.5	16.5
660	660$_e$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.594	53.8	52.4	7.0	52.9	7.6
661	661$_e$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.733	54.6	55.5	−2.2	55.6	357.6
662	662$_e$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.841	55.2	57.2	−7.7	57.8	352.3
663	663$_e$	1.0	0.125	0.75	1.0	0.875	0.562	346	0.887	0.125	1.0	51.8	52.5	−15.2	54.6	343.7
664	664$_e$	1.0	0.125	0.875	1.0	0.875	0.562	338	0.746	0.125	1.0	47.8	46.4	−20.5	50.8	336.1
665	665$_e$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.636	0.125	1.0	45.6	40.9	−24.9	47.9	328.6
666	666$_e$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
667	667$_e$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.136	0.125	54.0	49.8	34.1	60.4	34.3
668	668$_e$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.447	59.6	42.0	20.0	46.5	25.4
669	669$_e$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.567	59.6	43.3	11.9	45.0	15.4
670	670$_e$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.691	59.9	45.8	3.4	45.9	4.3
671	671$_e$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.87	61.0	49.1	−6.8	49.6	352.0
672	672$_e$	1.0	0.25	0.75	1.0	0.75	0.625	349	0.956	0.25	1.0	59.2	47.2	−11.2	48.5	346.6
673	673$_e$	1.0	0.25	0.875	1.0	0.75	0.625	339	0.793	0.25	1.0	54.9	40.4	−17.0	43.8	337.1
674	674$_e$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.688	0.25	1.0	52.8	35.0	−21.4	41.0	328.6
675	675$_e$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.216	0.0	56.5	45.2	53.8	70.3	49.9
676	676$_e$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.245	0.125	58.0	46.4	43.7	63.7	43.3
677	677$_e$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.271	0.25	60.4	42.5	30.3	52.2	35.5
678	678$_e$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.539	65.6	35.0	16.7	38.8	25.4
679	679$_e$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.659	65.7	36.4	8.5	37.4	13.2
680	680$_e$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.787	66.1	39.1	0.0	39.1	359.8
681	681$_e$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.937	66.7	41.2	−6.9	41.8	350.4
682	682$_e$	1.0	0.375	0.875	1.0	0.625	0.687	341	0.848	0.375	1.0	62.2	34.6	−13.2	37.1	339.0
683	683$_e$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.74	0.375	1.0	60.0	29.2	−17.8	34.2	328.6
684	684$_e$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
685	685$_e$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.348	0.125	63.2	36.1	48.5	60.5	53.3
686	686$_e$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.382	0.25	64.9	36.8	39.0	53.7	46.6
687	687$_e$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.413	0.375	67.0	35.0	27.1	44.3	37.7
688	688$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	71.6	28.0	13.3	31.0	25.4
689	689$_e$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.75	71.8	29.5	5.1	29.9	9.8
690	690$_e$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.913	72.6	32.7	−4.5	33.1	352.0
691	691$_e$	1.0	0.5	0.875	1.0	0.5	0.75	344	0.912	0.5	1.0	70.0	29.1	−9.5	30.6	341.8
692	692$_e$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.792	0.5	1.0	67.1	23.3	−14.2	27.3	328.6
693	693$_e$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.425	0.0	67.0	25.7	63.0	68.0	67.8
694	694$_e$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.461	0.125	68.9	25.4	53.2	59.0	64.4
695	695$_e$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.489	0.25	70.3	26.4	43.8	51.1	58.8
696	696$_e$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.518	0.375	71.7	27.4	34.0	43.6	51.0
697	697$_e$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.554	0.5	73.6	27.4	23.8	36.3	41.0
698	698$_e$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.723	77.7	21.0	10.0	23.2	25.4
699	699$_e$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.845	77.8	22.9	1.7	22.9	4.3
700	700$_e$	1.0	0.625	0.875	1.0	0.375	0.812	349	0.978	0.625	1.0	77.5	23.6	−5.6	24.2	346.6
701	701$_e$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.844	0.625	1.0	74.3	17.5	−10.7	20.5	328.6
702	702$_e$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
703	703$_e$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.572	0.125	74.0	16.2	58.4	60.6	74.4
704	704$_e$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.6	0.25	75.6	16.6	48.6	51.4	71.1
705	705$_e$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.632	0.375	77.4	16.7	38.9	42.4	66.6
706	706$_e$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.659	0.5	78.8	17.6	29.2	34.1	58.8
707	707$_e$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.691	0.625	80.3	18.4	19.5	26.8	46.6
708	708$_e$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.815	83.7	14.0	6.6	15.5	25.4
709	709$_e$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.956	84.2	16.3	−2.2	16.5	352.0
710	710$_e$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.896	0.75	1.0	81.5	11.6	−7.1	13.6	328.6
711	711$_e$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.668	0.0	77.7	7.0	73.1	73.5	84.5
712	712$_e$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.698	0.125	79.2	7.3	63.4	63.8	83.4
713	713$_e$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.731	0.25	80.9	7.2	53.8	54.3	82.2
714	714$_e$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.757	0.375	82.4	7.7	43.9	44.6	80.0
715	715$_e$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.775	0.5	84.0	8.0	34.1	35.0	76.7
716	716$_e$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.8	0.625	85.7	8.3	24.3	25.7	71.1
717	717$_e$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.829	0.75	87.3	8.8	14.6	17.0	58.8
718	718$_e$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.907	89.8	7.0	3.3	7.7	25.4
719	719$_e$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.948	0.875	1.0	88.6	5.8	−3.5	6.8	328.6
720	720$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
721	721$_e$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.797	0.125	85.1	−2.7	67.2	67.2	92.3
722	722$_e$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.826	0.25	86.7	−2.3	57.6	57.6	92.3
723	723$_e$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.855	0.375	88.2	−1.9	48.0	48.0	92.3
724	724$_e$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.884	0.5	89.7	−1.5	38.4	38.4	92.3
725	725$_e$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.913	0.625	91.2	−1.1	28.8	28.8	92.3
726	726$_e$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.942	0.75	92.7	−0.7	19.2	19.2	92.3
727	727$_e$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.971	0.875	94.3	−0.3	9.6	9.6	92.3
728	728$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

n	*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
648	1.0	0.0	0.0	47.5	57.2	37.8	68.6	33.4	11.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
649	1.0	0.0	0.125	47.6	56.3	34.2	65.9	31.3	16.0	367	1.0	0.0	0.392	47.4	57.2	18.2	60.0	17.6
650	1.0	0.0	0.25	47.5	55.9	27.5	62.3	26.2	17.5	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
651	1.0	0.0	0.375	47.4	56.8	19.5	60.0	18.9	19.2	350	1.0	0.0	0.641	48.1	62.2	1.0	62.2	0.9
652	1.0	0.0	0.5	47.8	58.9	10.4	59.9	10.0	20.7	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
653	1.0	0.0	0.625	48.0	61.8	2.1	61.8	1.9	14.8	331	1.0	0.0	0.964	48.5	65.6	−12.2	66.7	349.4
654	1.0	0.0	0.75	49.3	64.5	−6.5	64.8	354.2	14.9	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
655	1.0	0.0	0.875	49.5	66.1	−10.7	67.0	350.7	21.1	312	0.696	0.0	1.0	40.6	52.3	−24.1	57.6	335.2
656	1.0	0.0	1.0	48.1	65.4	−12.7	66.6	348.9	26.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
657	1.0	0.125	0.0	51.9	54.3	49.2	73.2	42.1	12.8	389	1.0	0.0	0.012	47.5	57.1	37.5	68.3	33.2
658	1.0	0.125	0.125	50.9	56.4	46.0	72.8	39.1	23.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
659	1.0	0.125	0.25	51.1	57.3	36.9	68.2	32.7	23.1	366	1.0	0.0	0.408	47.5	57.5	17.1	60.0	16.5
660	1.0	0.125	0.375	50.9	59.2	26.9	65.0	24.4	21.1	357	1.0	0.0	0.536	47.8	59.9	8.0	60.4	7.6
661	1.0	0.125	0.5	51.5	60.5	17.6	63.0	16.2	20.7	347	1.0	0.0	0.695	48.7	63.4	−2.6	63.5	357.6
662	1.0	0.125	0.625	51.1	64.7	5.0	64.9	4.4	15.3	339	1.0	0.0	0.818	49.4	65.4	−8.8	66.0	352.3
663	1.0	0.125	0.75	51.5	67.6	−5.3	67.8	355.4	18.1	323	0.87	0.0	1.0	45.5	60.0	−17.4	62.5	343.7
664	1.0	0.125	0.875	52.1	68.4	−9.9	69.1	351.7	24.7	313	0.71	0.0	1.0	41.0	53.1	−23.4	58.0	336.1
665	1.0	0.125	1.0	51.6	65.2	−11.3	66.1	350.0	28.4	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
666	1.0	0.25	0.0	58.2	41.8	55.1	69.2	52.8	16.4	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
667	1.0	0.25	0.125	57.8	42.8	53.7	68.7	51.4	21.2	30	1.0	0.012	0.0	48.0	57.0	39.0	69.1	34.3
668	1.0	0.25	0.25	58.2	43.1	44.9	62.3	46.1	24.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
669	1.0	0.25	0.375	57.6	45.9	33.2	56.7	35.9	21.5	365	1.0	0.0	0.423	47.5	57.8	15.9	60.0	15.4
670	1.0	0.25	0.5	56.8	49.3	23.4	54.6	25.4	20.5	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
671	1.0	0.25	0.625	57.2	52.2	10.3	53.2	11.2	17.9	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
672	1.0	0.25	0.75	58.2	54.5	−1.8	54.5	358.0	11.8	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
673	1.0	0.25	0.875	58.8	56.4	−9.7	57.2	350.2	18.0	314	0.725	0.0	1.0	41.3	53.8	−22.7	58.4	337.1
674	1.0	0.25	1.0	59.2	53.0	−11.1	54.2	348.1	21.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
675	1.0	0.375	0.0	64.6	29.8	60.4	67.3	63.7	18.5	41	1.0	0.216	0.0	56.5	45.2	53.8	70.3	49.9
676	1.0	0.375	0.125	63.2	32.5	57.2	65.9	60.3	20.0	37	1.0	0.138	0.0	52.6	53.0	49.9	72.8	43.3
677	1.0	0.375	0.25	63.3	33.3	49.0	59.3	55.8	21.0	31	1.0	0.028	0.0	48.6	56.7	40.4	69.6	35.5
678	1.0	0.375	0.375	64.5	33.3	35.8	48.9	47.0	19.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
679	1.0	0.375	0.5	64.4	35.7	25.6	44.0	35.7	17.1	362	1.0	0.0	0.454	47.6	58.3	13.7	59.9	13.2
680	1.0	0.375	0.625	64.1	39.5	13.1	41.6	18.3	13.3	349	1.0	0.0	0.659	48.3	62.6	−0.1	62.6	359.8
681	1.0	0.375	0.75	64.9	42.1	1.3	42.1	1.8	8.5	335	1.0	0.0	0.899	49.2	66.0	−11.1	66.9	350.4
682	1.0	0.375	0.875	65.6	44.6	−7.7	45.2	350.1	11.8	316	0.756	0.0	1.0	42.1	55.4	−21.2	59.3	339.0
683	1.0	0.375	1.0	66.3	43.9	−9.3	44.9	348.0	18.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
684	1.0	0.5	0.0	70.5	19.2	66.2	69.0	73.8	19.8	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
685	1.0	0.5	0.125	68.8	22.5	62.1	66.1	70.0	20.0	44	1.0	0.255	0.0	58.5	41.3	55.4	69.1	53.3
686	1.0	0.5	0.25	69.3	22.8	50.9	55.8	65.8	18.8	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
687	1.0	0.5	0.375	69.7	24.5	38.1	45.3	57.2	15.5	33	1.0	0.06	0.0	49.7	56.0	43.3	70.8	37.7
688	1.0	0.5	0.5	71.4	24.0	27.4	36.4	48.8	14.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
689	1.0	0.5	0.625	71.6	27.0	15.7	31.2	30.2	10.8	359	1.0	0.0	0.501	47.8	59.0	10.2	59.9	9.8
690	1.0	0.5	0.75	71.9	30.4	4.7	30.7	8.8	9.6	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
691	1.0	0.5	0.875	71.8	34.7	−5.9	35.2	350.3	6.9	320	0.825	0.0	1.0	44.1	58.2	−19.0	61.2	341.8
692	1.0	0.5	1.0	71.6	36.1	−8.9	37.2	346.1	14.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
693	1.0	0.625	0.0	74.9	11.4	70.7	71.6	80.7	18.0	55	1.0	0.425	0.0	67.0	25.7	63.0	68.0	67.8
694	1.0	0.625	0.125	75.7	10.3	67.8	68.6	81.3	22.0	52	1.0	0.384	0.0	65.0	29.0	60.9	67.5	64.4
695	1.0	0.625	0.25	75.9	11.1	56.5	57.6	78.8	20.6	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
696	1.0	0.625	0.375	76.0	13.2	42.5	44.6	72.7	17.1	42	1.0	0.229	0.0	57.2	43.9	54.4	69.9	51.0
697	1.0	0.625	0.5	77.1	14.1	31.2	34.3	65.5	15.5	35	1.0	0.108	0.0	51.4	54.8	47.7	72.6	41.0
698	1.0	0.625	0.625	78.4	15.6	19.6	25.1	51.4	11.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
699	1.0	0.625	0.75	78.6	19.2	8.4	21.0	23.7	7.7	354	1.0	0.0	0.588	47.9	61.1	4.6	61.2	4.3
700	1.0	0.625	0.875	79.4	23.4	−4.3	23.8	349.5	2.2	327	0.941	0.0	1.0	47.0	63.0	−14.9	64.7	346.6
701	1.0	0.625	1.0	78.5	25.6	−7.2	26.6	344.3	9.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
702	1.0	0.75	0.0	82.9	−2.0	76.9	77.0	91.5	22.7	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
703	1.0	0.75	0.125	82.6	−0.5	66.7	66.7	90.5	20.6	60	1.0	0.511	0.0	70.9	18.5	66.7	69.2	74.4
704	1.0	0.75	0.25	82.8	0.4	57.8	57.8	89.5	19.9	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
705	1.0	0.75	0.375	83.4	1.1	48.4	48.4	88.6	19.2	54	1.0	0.411	0.0	66.3	26.8	62.3	67.8	66.6
706	1.0	0.75	0.5	83.6	2.8	39.3	39.4	85.7	18.5	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
707	1.0	0.75	0.625	84.0	5.8	25.8	26.5	77.2	14.5	39	1.0	0.177	0.0	54.6	49.1	52.0	71.6	46.6
708	1.0	0.75	0.75	86.4	7.3	12.4	14.4	59.6	9.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
709	1.0	0.75	0.875	85.5	13.2	0.6	13.2	2.8	4.5	339	1.0	0.0	0.827	49.4	65.5	−9.1	66.2	352.0
710	1.0	0.75	1.0	86.0	15.3	−5.2	16.2	341.0	6.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
711	1.0	0.875	0.0	87.6	−9.0	75.7	76.3	96.8	19.0	70	1.0	0.668	0.0	77.7	7.0	73.1	73.5	84.5
712	1.0	0.875	0.125	87.3	−8.0	69.2	69.7	96.6	18.3	70	1.0	0.655	0.0	76.8	8.3	72.4	72.9	83.4
713	1.0	0.875	0.25	88.1	−7.3	58.0	58.5	97.2	16.8	69	1.0	0.642	0.0	76.0	9.7	71.7	72.4	82.2
714	1.0	0.875	0.375	88.4	−6.1	49.5	49.9	97.1	16.1	67	1.0	0.611	0.0	74.4	12.3	70.3	71.3	80.0
715	1.0	0.875	0.5	88.8	−4.4	40.1	40.4	96.3	14.6	63	1.0	0.551	0.0	72.3	16.1	68.2	70.1	76.7
716	1.0	0.875	0.625	89.1	−2.1	30.3	30.3	93.9	12.4	57	1.0	0.466	0.0	68.9	22.1	64.9	68.5	71.1
717	1.0	0.875	0.75	91.6	−1.9	18.5	18.6	95.8	12.2	48	1.0	0.319	0.0	61.8	35.2	58.4	68.2	58.8
718	1.0	0.875	0.875	92.0	3.1	4.8	5.7	56.9	4.7	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
719	1.0	0.875	1.0	93.0	5.1	−2.4	5.6	334.7	4.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
720	1.0	1.0	0.0	91.5	−15.8	84.6	86.1	100.5	16.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
721	1.0	1.0	0.125	91.7	−15.4	78.3	79.8	101.1	18.0	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
722	1.0	1.0	0.25	91.8	−13.6	64.0	65.5	102.0	13.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
723	1.0	1.0	0.375	92.6	−12.9	53.9	55.5	103.4	13.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
724	1.0	1.0	0.5	93.1	−11.8	45.5	47.0	104.6	12.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
725	1.0	1.0	0.625	93.6	−9.6	34.9	36.2	105.3	10.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
726	1.0	1.0	0.75	95.1	−8.9	25.6	27.1	109.2	10.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
727	1.0	1.0	0.875	95.7	−4.6	11.5	12.4	111.7	4.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
728	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' =** ***15.8***

2−0131630−F0

PS490−7N, 17/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fe}$	*rgb*$_{\_Fe}$			*ict*$_{\_Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
729	729$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	0.0	0.0	0.0	178.6	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
730	730$_e$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.973	90.7	−4.8	−3.6	6.0	216.9	0.875	1.0	1.0	90.5	−5.7	−7.6	9.6	232.8	4.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
731	731$_e$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.947	85.6	−9.6	−7.2	12.1	216.9	0.75	1.0	1.0	84.8	−9.9	−14.7	17.7	236.0	7.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
732	732$_e$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.921	80.5	−14.5	−10.9	18.1	216.9	0.625	1.0	1.0	78.6	−14.0	−21.7	25.8	237.2	11.0	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
733	733$_e$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.895	75.4	−19.3	−14.5	24.2	216.9	0.5	1.0	1.0	73.1	−16.9	−27.8	32.5	238.7	13.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
734	734$_e$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.869	70.3	−24.1	−18.2	30.2	216.9	0.375	1.0	1.0	67.3	−20.0	−32.8	38.5	238.6	15.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
735	735$_e$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.843	65.1	−29.0	−21.8	36.3	216.9	0.25	1.0	1.0	59.2	−26.0	−38.7	46.6	236.0	18.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
736	736$_e$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.817	60.0	−33.8	−25.5	42.3	216.9	0.125	1.0	1.0	54.7	−28.9	−42.5	51.4	235.7	18.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
737	737$_e$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9	0.0	1.0	1.0	52.2	−29.2	−44.1	52.9	236.4	17.9	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
738	738$_e$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.907	89.8	7.0	3.3	7.7	25.4	1.0	0.875	0.875	91.5	4.1	3.9	5.7	43.0	3.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
739	739$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	90.3	0.0	−0.2	0.2	277.5	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
740	740$_e$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.848	81.7	−4.8	−3.6	6.0	216.9	0.75	0.875	0.875	85.5	−7.5	−10.5	12.9	234.5	8.3	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
741	741$_e$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.822	76.6	−9.6	−7.2	12.1	216.9	0.625	0.875	0.875	80.6	−12.5	−18.7	22.5	236.2	12.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
742	742$_e$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.796	71.5	−14.5	−10.9	18.1	216.9	0.5	0.875	0.875	73.7	−17.3	−25.2	30.7	235.4	14.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
743	743$_e$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.77	66.4	−19.3	−14.5	24.2	216.9	0.375	0.875	0.875	68.3	−20.0	−31.6	37.4	237.7	17.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
744	744$_e$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.744	61.3	−24.1	−18.2	30.2	216.9	0.25	0.875	0.875	63.0	−23.7	−34.2	41.7	235.2	16.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
745	745$_e$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.718	56.1	−29.0	−21.8	36.3	216.9	0.125	0.875	0.875	57.0	−28.4	−39.3	48.5	234.1	17.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
746	746$_e$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.692	51.0	−33.8	−25.5	42.3	216.9	0.0	0.875	0.875	52.0	−31.5	−42.1	52.6	233.1	16.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
747	747$_e$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.815	83.7	14.0	6.6	15.5	25.4	1.0	0.75	0.75	86.6	8.0	10.0	12.8	51.3	7.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
748	748$_e$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.782	80.8	7.0	3.3	7.7	25.4	0.875	0.75	0.75	83.1	5.7	3.9	7.0	34.1	2.7	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
749	749$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	80.9	0.0	−0.5	0.5	269.9	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
750	750$_e$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.723	72.7	−4.8	−3.6	6.0	216.9	0.625	0.75	0.75	77.5	−6.9	−10.7	12.8	237.0	8.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
751	751$_e$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.697	67.6	−9.6	−7.2	12.1	216.9	0.5	0.75	0.75	71.5	−14.0	−19.5	24.0	234.3	13.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
752	752$_e$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.671	62.5	−14.5	−10.9	18.1	216.9	0.375	0.75	0.75	66.6	−17.0	−24.9	30.2	235.6	14.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
753	753$_e$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.645	57.4	−19.3	−14.5	24.2	216.9	0.25	0.75	0.75	60.0	−20.0	−30.4	36.4	236.6	16.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
754	754$_e$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.619	52.3	−24.1	−18.2	30.2	216.9	0.125	0.75	0.75	55.7	−25.2	−35.3	43.4	234.5	17.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
755	755$_e$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.593	47.1	−29.0	−21.8	36.3	216.9	0.0	0.75	0.75	52.0	−33.9	−38.5	51.3	228.5	18.0	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
756	756$_e$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.723	77.7	21.0	10.0	23.2	25.4	1.0	0.625	0.625	79.0	15.4	17.7	23.4	48.9	9.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
757	757$_e$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.69	74.7	14.0	6.6	15.5	25.4	0.875	0.625	0.625	76.0	9.9	12.8	16.2	52.1	7.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
758	758$_e$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.657	71.8	7.0	3.3	7.7	25.4	0.75	0.625	0.625	74.8	5.4	4.1	6.8	37.0	3.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
759	759$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	71.8	0.0	−1.0	1.0	270.7	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
760	760$_e$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.598	63.7	−4.8	−3.6	6.0	216.9	0.5	0.625	0.625	67.1	−7.7	−13.2	15.3	239.7	10.5	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
761	761$_e$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.572	58.6	−9.6	−7.2	12.1	216.9	0.375	0.625	0.625	61.5	−13.9	−20.3	24.7	235.6	14.0	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
762	762$_e$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.546	53.5	−14.5	−10.9	18.1	216.9	0.25	0.625	0.625	55.0	−17.0	−27.0	31.9	237.6	16.3	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
763	763$_e$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.52	48.4	−19.3	−14.5	24.2	216.9	0.125	0.625	0.625	51.6	−22.0	−31.5	38.5	234.9	17.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
764	764$_e$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.494	43.3	−24.1	−18.2	30.2	216.9	0.0	0.625	0.625	49.9	−30.2	−39.0	49.4	232.3	22.7	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
765	765$_e$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.631	71.6	28.0	13.3	31.0	25.4	1.0	0.5	0.5	72.0	23.9	24.2	34.0	45.3	11.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
766	766$_e$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.598	68.7	21.0	10.0	23.2	25.4	0.875	0.5	0.5	70.4	16.5	16.7	23.5	45.4	8.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
767	767$_e$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.565	65.7	14.0	6.6	15.5	25.4	0.75	0.5	0.5	66.8	10.9	11.1	15.6	45.6	5.5	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
768	768$_e$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.532	62.8	7.0	3.3	7.7	25.4	0.625	0.5	0.5	64.1	6.0	2.5	6.5	22.6	1.8	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
769	769$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.1	0.0	−1.1	1.1	268.7	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
770	770$_e$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.473	54.7	−4.8	−3.6	6.0	216.9	0.375	0.5	0.5	56.7	−8.0	−14.5	16.5	240.9	11.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
771	771$_e$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.447	49.6	−9.6	−7.2	12.1	216.9	0.25	0.5	0.5	51.3	−13.9	−22.4	26.4	238.1	15.8	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
772	772$_e$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.421	44.5	−14.5	−10.9	18.1	216.9	0.125	0.5	0.5	47.6	−17.3	−28.5	33.3	238.7	18.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
773	773$_e$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.395	39.4	−19.3	−14.5	24.2	216.9	0.0	0.5	0.5	43.7	−23.2	−34.9	41.9	236.3	21.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
774	774$_e$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.539	65.6	35.0	16.7	38.8	25.4	1.0	0.375	0.375	65.7	31.7	34.9	47.2	47.7	18.5	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
775	775$_e$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.506	62.7	28.0	13.3	31.0	25.4	0.875	0.375	0.375	63.8	24.2	23.9	34.0	44.6	11.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
776	776$_e$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.473	59.7	21.0	10.0	23.2	25.4	0.75	0.375	0.375	59.3	17.8	17.4	24.9	44.3	8.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
777	777$_e$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.44	56.7	14.0	6.6	15.5	25.4	0.625	0.375	0.375	55.8	12.5	10.7	16.4	40.7	4.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
778	778$_e$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.407	53.8	7.0	3.3	7.7	25.4	0.5	0.375	0.375	54.4	6.2	3.6	7.2	30.3	1.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
779	779$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	52.2	0.0	−1.4	1.4	267.3	2.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
780	780$_e$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.348	45.7	−4.8	−3.6	6.0	216.9	0.25	0.375	0.375	46.6	−10.3	−18.0	20.8	240.1	15.4	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
781	781$_e$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.322	40.6	−9.6	−7.2	12.1	216.9	0.125	0.375	0.375	43.9	−14.0	−24.0	27.8	239.6	17.6	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
782	782$_e$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.296	35.5	−14.5	−10.9	18.1	216.9	0.0	0.375	0.375	40.7	−19.5	−29.2	35.1	236.2	19.7	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
783	783$_e$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.447	59.6	42.0	20.0	46.5	25.4	1.0	0.25	0.25	59.4	40.9	44.3	60.3	47.2	24.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
784	784$_e$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.414	56.6	35.0	16.7	38.8	25.4	0.875	0.25	0.25	58.0	32.4	32.2	45.7	44.8	15.8	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
785	785$_e$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.381	53.7	28.0	13.3	31.0	25.4	0.75	0.25	0.25	51.9	25.4	24.5	35.3	43.9	11.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
786	786$_e$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.348	50.7	21.0	10.0	23.2	25.4	0.625	0.25	0.25	47.6	19.8	19.2	27.6	44.1	9.8	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
787	787$_e$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.315	47.7	14.0	6.6	15.5	25.4	0.5	0.25	0.25	45.3	12.7	13.5	18.6	46.5	7.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
788	788$_e$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.282	44.8	7.0	3.3	7.7	25.4	0.375	0.25	0.25	42.8	8.4	5.7	10.2	34.0	3.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
789	789$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	42.4	0.0	−1.2	1.2	267.2	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
790	790$_e$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.223	36.7	−4.8	−3.6	6.0	216.9	0.125	0.25	0.25	37.7	−10.4	−17.9	20.7	239.6	15.3	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
791	791$_e$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.197	31.6	−9.6	−7.2	12.1	216.9	0.0	0.25	0.25	37.1	−15.7	−22.3	27.3	234.7	17.1	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
792	792$_e$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.355	53.5	49.0	23.3	54.3	25.4	1.0	0.125	0.125	52.1	54.1	46.6	71.5	40.7	23.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
793	793$_e$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.322	50.6	42.0	20.0	46.5	25.4	0.875	0.125	0.125	50.7	44.3	39.9	59.6	42.0	20.0	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
794	794$_e$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.289	47.6	35.0	16.7	38.8	25.4	0.75	0.125	0.125	45.6	33.5	29.4	44.6	41.2	12.9	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
795	795$_e$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.256	44.7	28.0	13.3	31.0	25.4	0.625	0.125	0.125	41.4	28.6	26.8	39.2	43.1	13.8	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
796	796$_e$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.223	41.7	21.0	10.0	23.2	25.4	0.5	0.125	0.125	38.5	20.6	20.3	28.9	44.5	10.7	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
797	797$_e$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.19	38.7	14.0	6.6	15.5	25.4	0.375	0.125	0.125	36.5	14.2	14.1	20.0	44.8	7.7	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
798	798$_e$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.157	35.8	7.0	3.3	7.7	25.4	0.25	0.125	0.125	34.1	8.5	7.1	11.1	40.0	4.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
799	799$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.1	0.0	−0.5	0.5	270.7	3.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
800	800$_e$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.098	27.7	−4.8	−3.6	6.0	216.9	0.0	0.125	0.125	32.2	−10.8	−16.3	19.5	236.4	14.7	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
801	801$_e$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4	1.0	0.0	0.0	47.8	55.2	38.8	67.5	35.1	12.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
802	802$_e$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.23	44.5	49.0	23.3	54.3	25.4	0.875	0.0	0.0	42.2	48.7	31.7	58.2	33.0	8.7	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
803	803$_e$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.197	41.6	42.0	20.0	46.5	25.4	0.75	0.0	0.0	38.2	44.1	29.8	53.3	34.0	10.6	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
804	804$_e$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.164	38.6	35.0	16.7	38.8	25.4	0.625	0.0	0.0	34.2	39.5	27.2	47.9	34.5	12.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
805	805$_e$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.131	35.7	28.0	13.3	31.0	25.4	0.5	0.0	0.0	31.1	34.3	24.2	42.0	35.2	13.4	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
806	806$_e$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.098	32.7	21.0	10.0	23.2	25.4	0.375	0.0	0.0	29.1	26.1	19.5	32.6	36.8	11.3	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
807	807$_e$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.065	29.7	14.0	6.6	15.5	25.4	0.25	0.0	0.0	28.6	16.1	13.5	21.0	39.9	7.2	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
808	808$_e$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.032	26.8	7.0	3.3	7.7	25.4	0.125	0.0	0.0	27.0	8.5	8.2	11.8	43.6	5.1	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
809	809$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.1	0.4	0.4	67.8	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = *11.3***

2−0131730−F0

PS490−7N, 18/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

2−0131730−F0

n	HIC*$_{Fe}$	*rgb*$_{\_Fe}$			*ict*$_{\_Fe}$			$h_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	$h_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
810	810$_e$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.1	0.0	0.1	188.0	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
811	811$_e$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.907	1.0	88.5	0.1	−6.0	6.0	271.7	0.875	0.875	1.0	88.8	0.5	−7.8	7.8	273.8	1.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
812	812$_e$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.815	1.0	81.2	0.3	−12.1	12.1	271.7	0.75	0.75	1.0	79.2	2.5	−15.9	16.1	278.9	4.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
813	813$_e$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.722	1.0	73.8	0.5	−18.2	18.2	271.7	0.625	0.625	1.0	65.8	5.5	−25.7	26.3	282.2	12.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
814	814$_e$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.63	1.0	66.5	0.7	−24.3	24.3	271.7	0.5	0.5	1.0	54.6	10.9	−32.6	34.4	288.5	17.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
815	815$_e$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.538	1.0	59.2	0.9	−30.4	30.4	271.7	0.375	0.375	1.0	45.7	14.0	−37.9	40.4	290.3	20.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
816	816$_e$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.445	1.0	51.9	1.1	−36.5	36.5	271.7	0.25	0.25	1.0	38.1	18.6	−41.2	45.2	294.2	22.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
817	817$_e$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.353	1.0	44.6	1.2	−42.6	42.6	271.7	0.125	0.125	1.0	34.5	19.2	−42.9	47.0	294.1	20.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
818	818$_e$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7	0.0	0.0	1.0	30.8	20.2	−44.2	48.6	294.6	20.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
819	819$_e$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.971	0.875	94.3	−0.3	9.6	9.6	92.3	1.0	1.0	0.875	95.9	−3.8	9.4	10.2	111.9	3.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
820	820$_e$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.1	0.0	−0.1	0.1	242.5	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
821	821$_e$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.782	0.875	79.5	0.1	−6.0	6.0	271.7	0.75	0.75	0.875	80.2	1.7	−11.6	11.7	278.4	5.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
822	822$_e$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.69	0.875	72.2	0.3	−12.1	12.1	271.7	0.625	0.625	0.875	69.8	4.2	−20.4	20.8	281.7	9.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
823	823$_e$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.597	0.875	64.8	0.5	−18.2	18.2	271.7	0.5	0.5	0.875	58.7	8.3	−29.7	30.9	285.6	15.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
824	824$_e$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.505	0.875	57.5	0.7	−24.3	24.3	271.7	0.375	0.375	0.875	47.8	12.6	−36.7	38.8	288.9	19.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
825	825$_e$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.413	0.875	50.2	0.9	−30.4	30.4	271.7	0.25	0.25	0.875	39.6	16.7	−41.1	44.4	292.2	21.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
826	826$_e$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.32	0.875	42.9	1.1	−36.5	36.5	271.7	0.125	0.125	0.875	35.1	17.5	−43.1	46.5	292.1	19.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
827	827$_e$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.228	0.875	35.6	1.2	−42.6	42.6	271.7	0.0	0.0	0.875	29.1	21.9	−44.4	49.5	296.2	21.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
828	828$_e$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.942	0.75	92.7	−0.7	19.2	19.2	92.3	1.0	1.0	0.75	95.2	−8.7	24.8	26.3	109.2	10.0	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
829	829$_e$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.846	0.75	85.3	−0.3	9.6	9.6	92.3	0.875	0.875	0.75	91.4	−3.2	9.1	9.6	109.3	6.7	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
830	830$_e$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.2	0.0	−0.5	0.5	270.3	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
831	831$_e$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.657	0.75	70.5	0.1	−6.0	6.0	271.7	0.625	0.625	0.75	71.5	2.2	−12.7	12.9	280.2	7.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
832	832$_e$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.565	0.75	63.2	0.3	−12.1	12.1	271.7	0.5	0.5	0.75	60.6	4.4	−20.2	20.7	282.3	9.4	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
833	833$_e$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.472	0.75	55.8	0.5	−18.2	18.2	271.7	0.375	0.375	0.75	50.8	6.5	−27.4	28.2	283.3	12.0	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
834	834$_e$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.38	0.75	48.5	0.7	−24.3	24.3	271.7	0.25	0.25	0.75	44.3	10.9	−33.2	35.0	288.2	14.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
835	835$_e$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.288	0.75	41.2	0.9	−30.4	30.4	271.7	0.125	0.125	0.75	38.2	13.3	−39.1	41.3	288.7	15.4	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
836	836$_e$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.195	0.75	33.9	1.1	−36.5	36.5	271.7	0.0	0.0	0.75	29.0	20.6	−44.7	49.2	294.7	21.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
837	837$_e$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.913	0.625	91.2	−1.1	28.8	28.8	92.3	1.0	1.0	0.625	93.4	−9.0	33.9	35.0	104.9	9.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
838	838$_e$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.817	0.625	83.7	−0.7	19.2	19.2	92.3	0.875	0.875	0.625	90.1	−6.3	24.9	25.7	104.2	10.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
839	839$_e$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.721	0.625	76.3	−0.3	9.6	9.6	92.3	0.75	0.75	0.625	83.0	−2.2	7.7	8.1	106.0	7.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
840	840$_e$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.5	0.0	−1.0	1.0	270.5	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
841	841$_e$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.532	0.625	61.5	0.1	−6.0	6.0	271.7	0.5	0.5	0.625	61.7	2.6	−14.3	14.5	280.2	8.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
842	842$_e$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.44	0.625	54.2	0.3	−12.1	12.1	271.7	0.375	0.375	0.625	50.5	4.0	−22.7	23.0	280.0	11.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
843	843$_e$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.347	0.625	46.8	0.5	−18.2	18.2	271.7	0.25	0.25	0.625	44.0	8.2	−27.8	29.0	286.5	12.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
844	844$_e$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.255	0.625	39.5	0.7	−24.3	24.3	271.7	0.125	0.125	0.625	37.5	11.3	−34.2	36.1	288.3	14.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
845	845$_e$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.163	0.625	32.2	0.9	−30.4	30.4	271.7	0.0	0.0	0.625	28.0	21.5	−45.0	49.9	295.5	25.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
846	846$_e$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.884	0.5	89.7	−1.5	38.4	38.4	92.3	1.0	1.0	0.5	92.9	−11.3	44.8	46.2	104.1	12.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
847	847$_e$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.788	0.5	82.2	−1.1	28.8	28.8	92.3	0.875	0.875	0.5	90.0	−8.5	36.5	37.5	103.2	13.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
848	848$_e$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.692	0.5	74.7	−0.7	19.2	19.2	92.3	0.75	0.75	0.5	82.9	−6.7	24.9	25.8	105.2	11.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
849	849$_e$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.596	0.5	67.3	−0.3	9.6	9.6	92.3	0.625	0.625	0.5	73.9	−3.5	7.3	8.1	115.9	7.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
850	850$_e$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.9	0.0	−1.2	1.2	270.4	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
851	851$_e$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.407	0.5	52.5	0.1	−6.0	6.0	271.7	0.375	0.375	0.5	50.4	2.1	−16.8	17.0	277.2	11.1	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
852	852$_e$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.315	0.5	45.2	0.3	−12.1	12.1	271.7	0.25	0.25	0.5	42.6	4.6	−23.9	24.4	280.9	12.8	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
853	853$_e$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.222	0.5	37.8	0.5	−18.2	18.2	271.7	0.125	0.125	0.5	35.8	7.9	−29.0	30.1	285.2	13.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
854	854$_e$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.13	0.5	30.5	0.7	−24.3	24.3	271.7	0.0	0.0	0.5	29.9	15.0	−39.3	42.0	290.9	20.7	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
855	855$_e$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.855	0.375	88.2	−1.9	48.0	48.0	92.3	1.0	1.0	0.375	92.5	−12.7	53.3	54.8	103.4	12.7	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
856	856$_e$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.759	0.375	80.7	−1.5	38.4	38.4	92.3	0.875	0.875	0.375	89.1	−10.8	48.0	49.2	102.7	15.7	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
857	857$_e$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.663	0.375	73.2	−1.1	28.8	28.8	92.3	0.75	0.75	0.375	82.6	−9.1	37.6	38.7	103.7	15.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
858	858$_e$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.567	0.375	65.7	−0.7	19.2	19.2	92.3	0.625	0.625	0.375	73.7	−7.0	24.2	25.2	106.1	11.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
859	859$_e$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.471	0.375	58.3	−0.3	9.6	9.6	92.3	0.5	0.5	0.375	63.0	−4.3	9.6	10.5	114.4	6.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
860	860$_e$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	53.1	0.0	−1.1	1.1	270.9	2.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
861	861$_e$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.282	0.375	43.5	0.1	−6.0	6.0	271.7	0.25	0.25	0.375	40.7	2.0	−18.7	18.8	276.3	13.1	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
862	862$_e$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.19	0.375	36.2	0.3	−12.1	12.1	271.7	0.125	0.125	0.375	33.3	4.4	−25.1	25.5	280.0	13.9	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
863	863$_e$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.097	0.375	28.8	0.5	−18.2	18.2	271.7	0.0	0.0	0.375	29.5	7.3	−30.0	30.9	283.7	13.6	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
864	864$_e$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.826	0.25	86.7	−2.3	57.6	57.6	92.3	1.0	1.0	0.25	91.7	−13.4	63.5	64.9	101.9	13.5	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
865	865$_e$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.73	0.25	79.2	−1.9	48.0	48.0	92.3	0.875	0.875	0.25	88.8	−11.8	60.5	61.7	101.0	18.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
866	866$_e$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.634	0.25	71.7	−1.5	38.4	38.4	92.3	0.75	0.75	0.25	82.4	−11.6	50.3	51.7	102.9	18.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
867	867$_e$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.538	0.25	64.2	−1.1	28.8	28.8	92.3	0.625	0.625	0.25	73.1	−10.2	39.0	40.3	104.7	16.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
868	868$_e$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.442	0.249	56.8	−0.7	19.2	19.2	92.3	0.5	0.5	0.25	63.0	−8.2	26.7	27.9	107.2	12.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
869	869$_e$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.346	0.249	49.3	−0.3	9.6	9.6	92.3	0.375	0.375	0.25	53.1	−5.6	13.2	14.4	113.0	7.4	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
870	870$_e$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	42.8	0.0	−1.0	1.0	272.0	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
871	871$_e$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.157	0.25	34.5	0.1	−6.0	6.0	271.7	0.125	0.125	0.25	31.9	1.9	−18.0	18.1	276.1	12.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
872	872$_e$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.065	0.25	27.2	0.3	−12.1	12.1	271.7	0.0	0.0	0.25	25.3	4.2	−24.7	25.1	279.6	13.2	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
873	873$_e$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.797	0.125	85.1	−2.7	67.2	67.2	92.3	1.0	1.0	0.125	91.5	−15.0	76.9	78.3	101.0	16.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
874	874$_e$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.701	0.125	77.7	−2.3	57.6	57.6	92.3	0.875	0.875	0.125	88.9	−13.6	78.1	79.3	99.9	25.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
875	875$_e$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.605	0.125	70.2	−1.9	48.0	48.0	92.3	0.75	0.75	0.125	81.4	−12.5	67.8	68.9	100.4	25.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
876	876$_e$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.509	0.125	62.7	−1.5	38.4	38.4	92.3	0.625	0.625	0.125	71.5	−11.5	55.8	57.0	101.6	21.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
877	877$_e$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.413	0.124	55.2	−1.1	28.8	28.8	92.3	0.5	0.5	0.125	62.9	−10.0	41.1	42.3	103.7	16.9	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
878	878$_e$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.317	0.124	47.8	−0.7	19.2	19.2	92.3	0.375	0.375	0.125	54.9	−8.9	30.7	32.0	106.2	15.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
879	879$_e$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.221	0.124	40.3	−0.3	9.6	9.6	92.3	0.25	0.25	0.125	44.1	−5.4	15.5	16.4	109.3	8.6	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
880	880$_e$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	27.6	0.0	−0.2	0.3	283.5	5.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
881	881$_e$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.032	0.125	25.5	0.1	−6.0	6.0	271.7	0.0	0.0	0.125	28.2	4.0	−15.3	15.8	284.8	10.4	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
882	882$_e$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3	1.0	1.0	0.0	91.4	−15.6	84.1	85.5	100.5	16.4	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
883	883$_e$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.672	0.0	76.1	−2.7	67.2	67.2	92.3	0.875	0.875	0.0	90.6	−14.8	86.7	87.9	99.7	27.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
884	884$_e$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.576	0.0	68.7	−2.3	57.6	57.6	92.3	0.75	0.75	0.0	82.4	−14.2	78.8	80.1	100.2	28.0	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
885	885$_e$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.48	0.0	61.2	−1.9	48.0	48.0	92.3	0.625	0.625	0.0	69.1	−12.2	64.9	66.0	100.6	21.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
886	886$_e$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.384	0.0	53.7	−1.5	38.4	38.4	92.3	0.5	0.5	0.0	58.4	−10.2	53.9	54.8	100.7	18.3	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
887	887$_e$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.288	0.0	46.2	−1.1	28.8	28.8	92.3	0.375	0.375	0.0	52.1	−10.7	44.3	45.6	103.6	19.1	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
888	888$_e$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.192	0.0	38.8	−0.7	19.2	19.2	92.3	0.25	0.25	0.0	44.5	−8.6	32.1	33.3	105.1	16.2	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
889	889$_e$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.096	0.0	31.3	−0.3	9.6	9.6	92.3	0.125	0.125	0.0	36.5	−5.3	16.3	17.1	108.0	9.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
890	890$_e$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.2	0.8	0.8	70.4	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' = *13.2***

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, Δ*E**', 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fe}$	*rgb*$_{\_Fe}$			*ict*$_{\_Fe}$			*h*$_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	*h*$_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
891	891_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.1	0.0	0.1	168.6	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
892	892_e	1.0	0.875	1.0	1.0	0.125	0.937	330	0.948	0.875	1.0	88.6	5.8	−3.5	6.8	328.6	1.0	0.875	1.0	91.4	7.6	−3.0	8.1	338.4	3.3	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
893	893_e	1.0	0.75	1.0	1.0	0.25	0.875	330	0.896	0.75	1.0	81.5	11.6	−7.1	13.6	328.6	1.0	0.75	1.0	85.5	16.1	−5.2	16.9	341.9	6.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
894	894_e	1.0	0.625	1.0	1.0	0.375	0.812	330	0.844	0.625	1.0	74.3	17.5	−10.7	20.5	328.6	1.0	0.625	1.0	78.4	26.0	−7.1	26.9	344.6	10.0	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
895	895_e	1.0	0.5	1.0	1.0	0.5	0.75	330	0.792	0.5	1.0	67.1	23.3	−14.2	27.3	328.6	1.0	0.5	1.0	71.7	36.3	−8.9	37.4	346.1	14.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
896	896_e	1.0	0.375	1.0	1.0	0.625	0.687	330	0.74	0.375	1.0	60.0	29.2	−17.8	34.2	328.6	1.0	0.375	1.0	66.1	44.6	−9.4	45.6	348.0	18.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
897	897_e	1.0	0.25	1.0	1.0	0.75	0.625	330	0.688	0.25	1.0	52.8	35.0	−21.4	41.0	328.6	1.0	0.25	1.0	59.2	53.6	−11.4	54.8	347.9	22.0	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
898	898_e	1.0	0.125	1.0	1.0	0.875	0.562	330	0.636	0.125	1.0	45.6	40.9	−24.9	47.9	328.6	1.0	0.125	1.0	52.3	65.2	−11.5	66.2	349.9	28.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
899	899_e	1.0	0.0	1.0	1.0	1.0	0.5	330	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6	1.0	0.0	1.0	48.3	65.1	−12.7	66.3	348.9	26.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
900	900_e	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.5	−8.2	2.6	8.6	162.2	0.875	1.0	0.875	92.1	−6.9	1.8	7.1	165.1	2.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
901	901_e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.6	0.0	−0.2	0.2	263.1	4.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
902	902_e	0.875	0.75	0.875	0.875	0.125	0.812	330	0.823	0.75	0.875	79.6	5.8	−3.5	6.8	328.6	0.875	0.75	0.875	84.3	8.6	−5.6	10.2	326.9	5.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
903	903_e	0.875	0.625	0.875	0.875	0.25	0.75	330	0.771	0.625	0.875	72.5	11.6	−7.1	13.6	328.6	0.875	0.625	0.875	77.2	18.7	−8.0	20.4	336.6	8.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
904	904_e	0.875	0.5	0.875	0.875	0.375	0.687	330	0.719	0.5	0.875	65.3	17.5	−10.7	20.5	328.6	0.875	0.5	0.875	70.8	27.7	−10.0	29.5	340.0	11.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
905	905_e	0.875	0.375	0.875	0.875	0.5	0.625	330	0.667	0.375	0.875	58.1	23.3	−14.2	27.3	328.6	0.875	0.375	0.875	64.0	37.0	−11.8	38.8	342.2	15.0	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
906	906_e	0.875	0.25	0.875	0.875	0.625	0.562	330	0.615	0.25	0.875	51.0	29.2	−17.8	34.2	328.6	0.875	0.25	0.875	57.7	45.0	−13.6	47.1	343.1	17.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
907	907_e	0.875	0.125	0.875	0.875	0.75	0.5	330	0.563	0.125	0.875	43.8	35.0	−21.4	41.0	328.6	0.875	0.125	0.875	49.8	55.9	−16.4	58.3	343.6	22.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
908	908_e	0.875	0.0	0.875	0.875	0.875	0.437	330	0.511	0.0	0.875	36.6	40.9	−24.9	47.9	328.6	0.875	0.0	0.875	44.7	59.0	−15.8	61.1	344.9	21.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
909	909_e	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.786	85.3	−16.4	5.2	17.3	162.2	0.75	1.0	0.75	87.7	−14.1	8.3	16.4	149.3	4.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
910	910_e	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.5	−8.2	2.6	8.6	162.2	0.75	0.875	0.75	87.2	−9.9	2.7	10.3	164.7	5.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
911	911_e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.6	0.0	−0.4	0.4	270.1	4.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
912	912_e	0.75	0.625	0.75	0.75	0.125	0.687	330	0.698	0.625	0.75	70.6	5.8	−3.5	6.8	328.6	0.75	0.625	0.75	75.8	9.0	−5.9	10.8	326.6	6.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
913	913_e	0.75	0.5	0.75	0.75	0.25	0.625	330	0.646	0.5	0.75	63.5	11.6	−7.1	13.6	328.6	0.75	0.5	0.75	68.2	19.3	−8.4	21.0	336.3	9.0	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
914	914_e	0.75	0.375	0.75	0.75	0.375	0.562	330	0.594	0.375	0.75	56.3	17.5	−10.7	20.5	328.6	0.75	0.375	0.75	60.9	27.8	−9.9	29.5	340.2	11.3	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
915	915_e	0.75	0.25	0.75	0.75	0.5	0.5	330	0.542	0.25	0.75	49.1	23.3	−14.2	27.3	328.6	0.75	0.25	0.75	54.4	37.2	−12.4	39.2	341.5	14.9	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
916	916_e	0.75	0.125	0.75	0.75	0.625	0.437	330	0.49	0.125	0.75	42.0	29.2	−17.8	34.2	328.6	0.75	0.125	0.75	47.9	47.7	−13.2	49.5	344.5	19.9	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
917	917_e	0.75	0.0	0.75	0.75	0.75	0.375	330	0.438	0.0	0.75	34.8	35.0	−21.4	41.0	328.6	0.75	0.0	0.75	41.5	53.5	−15.6	55.7	343.6	20.4	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
918	918_e	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.68	80.0	−24.7	7.9	25.9	162.2	0.625	1.0	0.625	81.7	−21.9	10.5	24.3	154.3	4.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
919	919_e	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.661	76.3	−16.4	5.2	17.3	162.2	0.625	0.875	0.625	82.1	−17.2	9.2	19.6	151.7	7.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
920	920_e	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.5	−8.2	2.6	8.6	162.2	0.625	0.75	0.625	77.8	−10.0	1.7	10.1	169.8	5.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
921	921_e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.1	0.0	−0.9	0.9	268.7	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
922	922_e	0.625	0.5	0.625	0.625	0.125	0.562	330	0.573	0.5	0.625	61.6	5.8	−3.5	6.8	328.6	0.625	0.5	0.625	65.6	9.6	−6.6	11.7	325.4	6.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
923	923_e	0.625	0.375	0.625	0.625	0.25	0.5	330	0.521	0.375	0.625	54.5	11.6	−7.1	13.6	328.6	0.625	0.375	0.625	57.2	19.8	−8.9	21.7	335.8	8.8	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
924	924_e	0.625	0.25	0.625	0.625	0.375	0.437	330	0.469	0.25	0.625	47.3	17.5	−10.7	20.5	328.6	0.625	0.25	0.625	50.0	29.9	−11.7	32.1	338.6	12.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
925	925_e	0.625	0.125	0.625	0.625	0.5	0.375	330	0.417	0.125	0.625	40.1	23.3	−14.2	27.3	328.6	0.625	0.125	0.625	43.2	39.6	−12.4	41.5	342.5	16.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
926	926_e	0.625	0.0	0.625	0.625	0.625	0.312	330	0.365	0.0	0.625	33.0	29.2	−17.8	34.2	328.6	0.625	0.0	0.625	37.3	48.6	−13.9	50.5	343.9	20.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
927	927_e	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.573	74.8	−32.9	10.5	34.6	162.2	0.5	1.0	0.5	75.2	−29.8	11.7	32.0	158.4	3.3	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
928	928_e	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.555	71.0	−24.7	7.9	25.9	162.2	0.5	0.875	0.5	74.3	−28.1	10.0	29.8	160.3	5.2	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
929	929_e	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.536	67.3	−16.4	5.2	17.3	162.2	0.5	0.75	0.5	71.8	−17.6	5.6	18.5	162.3	4.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
930	930_e	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.5	−8.2	2.6	8.6	162.2	0.5	0.625	0.5	68.1	−10.1	1.4	10.2	171.5	5.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
931	931_e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.3	0.0	−1.1	1.1	271.0	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
932	932_e	0.5	0.375	0.5	0.5	0.125	0.437	330	0.448	0.375	0.5	52.6	5.8	−3.5	6.8	328.6	0.5	0.375	0.5	53.3	10.5	−8.2	13.4	321.9	6.6	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
933	933_e	0.5	0.25	0.5	0.5	0.25	0.375	330	0.396	0.249	0.5	45.5	11.6	−7.1	13.6	328.6	0.5	0.25	0.5	47.1	21.9	−10.7	24.4	333.8	10.9	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
934	934_e	0.5	0.125	0.5	0.5	0.375	0.312	330	0.344	0.124	0.5	38.3	17.5	−10.7	20.5	328.6	0.5	0.125	0.5	40.5	32.1	−11.6	34.1	340.0	14.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
935	935_e	0.5	0.0	0.5	0.5	0.5	0.25	330	0.292	0.0	0.5	31.1	23.3	−14.2	27.3	328.6	0.5	0.0	0.5	34.7	41.4	−11.9	43.1	343.9	18.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
936	936_e	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.466	69.5	−41.2	13.2	43.2	162.2	0.375	1.0	0.375	68.6	−39.6	17.6	43.4	156.0	4.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
937	937_e	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.448	65.8	−32.9	10.5	34.6	162.2	0.375	0.875	0.375	70.2	−36.7	16.1	40.2	156.2	8.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
938	938_e	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.43	62.0	−24.7	7.9	25.9	162.2	0.375	0.75	0.375	64.6	−28.0	9.1	29.5	162.0	4.3	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
939	939_e	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.411	58.3	−16.4	5.2	17.3	162.2	0.375	0.625	0.375	59.6	−21.1	3.4	21.4	170.7	5.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
940	940_e	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.5	−8.2	2.6	8.6	162.2	0.375	0.5	0.375	56.1	−10.2	1.5	10.3	171.6	2.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
941	941_e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.6	0.0	−1.1	1.1	268.8	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
942	942_e	0.375	0.25	0.375	0.375	0.125	0.312	330	0.323	0.249	0.375	43.6	5.8	−3.5	6.8	328.6	0.375	0.25	0.375	42.0	12.3	−8.8	15.1	324.4	8.5	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
943	943_e	0.375	0.125	0.375	0.375	0.25	0.25	330	0.271	0.124	0.375	36.5	11.6	−7.1	13.6	328.6	0.375	0.125	0.375	37.3	23.8	−10.6	26.1	336.0	12.7	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
944	944_e	0.375	0.0	0.375	0.375	0.375	0.187	330	0.219	0.0	0.375	29.3	17.5	−10.7	20.5	328.6	0.375	0.0	0.375	32.2	34.5	−10.8	36.2	342.5	17.2	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
945	945_e	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.36	64.3	−49.4	15.8	51.9	162.2	0.25	1.0	0.25	63.0	−50.8	23.7	56.1	154.9	8.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
946	946_e	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.341	60.5	−41.2	13.2	43.2	162.2	0.25	0.875	0.25	65.0	−47.4	22.1	52.3	155.0	11.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
947	947_e	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.323	56.8	−32.9	10.5	34.6	162.2	0.25	0.75	0.25	59.1	−37.1	15.4	40.1	157.4	6.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
948	948_e	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.305	53.0	−24.7	7.9	25.9	162.2	0.25	0.625	0.25	54.0	−30.7	11.4	32.8	159.5	7.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
949	949_e	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.286	49.3	−16.4	5.2	17.3	162.2	0.25	0.5	0.25	47.5	−23.1	5.6	23.8	166.3	6.9	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
950	950_e	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.5	−8.2	2.6	8.6	162.2	0.25	0.375	0.25	45.0	−12.7	1.6	12.8	172.6	4.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
951	951_e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	41.4	0.0	−0.8	0.8	273.1	0.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
952	952_e	0.25	0.125	0.25	0.25	0.125	0.187	330	0.198	0.124	0.25	34.6	5.8	−3.5	6.8	328.6	0.25	0.125	0.25	34.2	13.2	−8.5	15.7	327.1	8.9	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
953	953_e	0.25	0.0	0.25	0.25	0.25	0.125	330	0.146	0.0	0.25	27.5	11.6	−7.1	13.6	328.6	0.25	0.0	0.25	30.1	24.2	−10.5	26.4	336.4	13.3	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
954	954_e	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.253	59.0	−57.7	18.5	60.6	162.2	0.125	1.0	0.125	57.4	−61.7	27.5	67.5	155.9	10.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
955	955_e	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.235	55.3	−49.4	15.8	51.9	162.2	0.125	0.875	0.125	59.3	−58.5	27.5	64.6	154.8	15.3	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
956	956_e	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.216	51.5	−41.2	13.2	43.2	162.2	0.125	0.75	0.125	55.2	−46.1	20.6	50.5	155.9	9.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
957	957_e	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.198	47.8	−32.9	10.5	34.6	162.2	0.125	0.625	0.125	50.2	−39.7	15.9	42.8	158.0	9.0	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
958	958_e	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.18	44.0	−24.7	7.9	25.9	162.2	0.125	0.5	0.125	45.0	−31.7	10.2	33.3	162.0	7.4	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
959	959_e	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.161	40.3	−16.4	5.2	17.3	162.2	0.125	0.375	0.125	41.1	−24.7	7.0	25.6	164.0	8.4	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
960	960_e	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−8.2	2.6	8.6	162.2	0.125	0.25	0.125	39.8	−12.8	3.1	13.2	166.1	5.6	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
961	961_e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	29.4	0.1	0.0	0.1	353.4	3.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
962	962_e	0.125	0.0	0.125	0.125	0.125	0.062	330	0.073	0.0	0.125	25.6	5.8	−3.5	6.8	328.6	0.125	0.0	0.125	28.8	12.7	−6.6	14.3	332.5	8.1	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
963	963_e	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2	0.0	1.0	0.0	55.1	−67.3	29.7	73.6	156.1	8.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
964	964_e	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.128	50.0	−57.7	18.5	60.6	162.2	0.0	0.875	0.0	53.2	−71.7	28.9	77.4	158.0	17.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
965	965_e	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.11	46.3	−49.4	15.8	51.9	162.2	0.0	0.75	0.0	51.2	−73.4	27.7	78.5	159.3	27.2	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
966	966_e	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.091	42.5	−41.2	13.2	43.2	162.2	0.0	0.625	0.0	48.2	−69.5	26.5	74.4	159.1	31.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
967	967_e	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.073	38.8	−32.9	10.5	34.6	162.2	0.0	0.5	0.0	43.5	−61.7	23.1	65.9	159.4	31.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
968	968_e	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.055	35.0	−24.7	7.9	25.9	162.2	0.0	0.375	0.0	39.2	−37.6	14.0	40.2	159.6	14.8	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
969	969_e	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.036	31.3	−16.4	5.2	17.3	162.2	0.0	0.25	0.0	36.4	−24.0	5.6	24.6	166.7	9.1	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
970	970_e	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.5	−8.2	2.6	8.6	162.2	0.0	0.125	0.0	34.9	−10.6	3.3	11.1	162.7	7.7	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
971	971_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4	0.2	0.3	0.4	54.5	0.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta ***E*****' = *10.5***

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E^{*\prime}$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> *rgb*$_e$
salida: transfiera a *cmyk*$_e$

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	HIC*$_{Fe}$	*rgb*$_{\_Fe}$			*ict*$_{\_Fe}$			*h*$_{si\_F,e}$	*rgb**$_{Fe}$			*LabCh**$_{Fe}$					*rgb**'$_{Fe}$			*LabCh**'$_{Fe}$					*DE**'$_{Fe}$	*h*$_{siM,e}$	*rgb**$_{Me}$			*LabCh**$_{Me}$				
972	972_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	49.6	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
973	973_e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	26.8	0.0	−0.3	0.3	272.9	5.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
974	974_e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.6	0.0	−1.0	1.0	266.3	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
975	975_e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	50.3	0.0	−1.1	1.1	265.7	1.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
976	976_e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	60.6	0.0	−1.1	1.1	268.6	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
977	977_e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.2	0.0	−1.0	1.0	266.5	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
978	978_e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.1	0.0	−0.6	0.6	266.9	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
979	979_e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.4	0.0	−0.2	0.2	248.8	4.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
980	980_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.9	−0.1	−0.1	0.2	233.6	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
981	981_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	0.1	−0.1	0.1	320.1	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
982	982_e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.4	0.0	−0.3	0.3	273.4	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
983	983_e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	40.5	0.0	−1.1	1.1	267.1	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
984	984_e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	50.9	0.0	−1.2	1.2	268.0	1.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
985	985_e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	61.3	0.0	−1.2	1.2	269.0	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
986	986_e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.8	0.0	−1.1	1.1	268.3	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
987	987_e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.1	0.0	−0.6	0.6	269.6	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
988	988_e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.9	0.0	−0.2	0.3	264.1	5.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
989	989_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.9	−0.1	0.0	0.1	206.3	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
990	990_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.2	0.0	0.1	0.1	60.9	0.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
991	991_e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	28.8	0.0	−0.3	0.3	283.8	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
992	992_e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.9	0.0	−1.0	1.0	268.4	2.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
993	993_e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	51.0	0.0	−1.1	1.1	270.7	1.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
994	994_e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	60.9	0.0	−1.0	1.0	270.4	1.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
995	995_e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.5	0.0	−1.1	1.1	271.0	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
996	996_e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	82.1	0.0	−0.5	0.6	273.6	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
997	997_e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.9	0.0	−0.3	0.3	275.0	5.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
998	998_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.1	−0.1	0.1	228.6	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
999	999_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.1	0.0	0.1	0.1	67.1	2.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1000	1000_e	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	32.8	0.0	0.0	0.0	0.0	0.125	0.125	0.125	26.0	0.0	−0.2	0.2	280.7	6.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1001	1001_e	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	41.8	0.0	0.0	0.0	0.0	0.25	0.25	0.25	39.5	0.0	−0.8	0.8	266.7	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1002	1002_e	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	50.8	0.0	0.0	0.0	0.0	0.375	0.375	0.375	50.1	0.0	−1.0	1.0	267.9	1.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1003	1003_e	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	59.8	0.0	0.0	0.0	0.0	0.5	0.5	0.5	60.3	0.0	−0.9	0.9	268.1	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1004	1004_e	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.8	0.0	0.0	0.0	0.0	0.625	0.625	0.625	72.2	0.0	−1.0	1.0	268.5	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1005	1005_e	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.75	0.75	0.75	81.9	0.0	−0.5	0.5	268.1	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1006	1006_e	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.8	0.0	0.0	0.0	0.0	0.875	0.875	0.875	91.7	0.0	−0.1	0.1	258.6	4.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1007	1007_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	96.1	−0.2	0.0	0.2	162.0	0.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1008	1008_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.9	0.0	0.3	0.3	84.0	6.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1009	1009_e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	19.7	0.1	0.2	0.2	63.9	8.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1010	1010_e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	28.3	0.0	−0.8	0.8	265.4	5.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1011	1011_e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	36.6	−0.1	−1.3	1.3	264.5	2.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1012	1012_e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	43.7	0.0	−1.2	1.2	265.5	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1013	1013_e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	50.0	0.0	−1.0	1.0	270.1	2.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1014	1014_e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	53.7	0.0	−1.0	1.0	268.9	1.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1015	1015_e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	59.7	0.0	−1.2	1.2	267.1	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1016	1016_e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	65.4	0.0	−1.1	1.1	268.4	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1017	1017_e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.4	0.0	−1.0	1.0	269.4	3.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1018	1018_e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	75.6	0.0	−0.8	0.8	267.4	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1019	1019_e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.0	0.0	−0.4	0.4	263.3	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1020	1020_e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.5	0.0	−0.1	0.1	258.0	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1021	1021_e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.1	0.0	0.0	0.0	216.7	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1022	1022_e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.933	0.933	0.933	94.2	0.0	0.0	0.0	173.3	3.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1023	1023_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	0.0	0.0	0.0	305.0	0.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1024	1024_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.2	0.2	69.9	5.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1025	1025_e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	21.7	0.1	0.0	0.1	12.0	6.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1026	1026_e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	29.3	0.0	−0.9	0.9	267.1	4.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1027	1027_e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	37.8	0.0	−1.2	1.2	266.4	1.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1028	1028_e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	44.9	0.0	−1.3	1.3	267.8	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1029	1029_e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	50.3	0.0	−1.1	1.1	270.1	2.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1030	1030_e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	54.5	0.0	−1.1	1.1	269.6	2.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1031	1031_e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	60.5	0.0	−1.3	1.3	268.9	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1032	1032_e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	66.1	0.0	−1.1	1.1	268.9	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1033	1033_e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.6	0.0	−1.1	1.1	270.8	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1034	1034_e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	76.0	0.0	−0.9	0.9	269.6	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1035	1035_e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.1	0.0	−0.5	0.5	269.9	4.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1036	1036_e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.8	0.0	−0.2	0.2	269.3	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1037	1037_e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0	0.866	0.866	0.866	90.6	0.0	−0.1	0.1	248.4	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1038	1038_e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0	0.933	0.933	0.933	94.2	−0.1	0.0	0.1	208.1	3.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1039	1039_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0	1.0	1.0	1.0	95.7	−0.2	0.0	0.2	166.5	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1040	1040_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.9	0.1	0.2	0.2	63.5	4.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1041	1041_e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0	0.066	0.066	0.066	22.2	0.1	0.1	0.2	54.5	6.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1042	1042_e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0	0.133	0.133	0.133	29.5	0.0	−0.7	0.7	271.7	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1043	1043_e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0	0.2	0.2	0.2	37.3	0.0	−1.1	1.1	266.3	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1044	1044_e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0	0.266	0.266	0.266	44.7	0.0	−1.1	1.1	269.8	2.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1045	1045_e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0	0.333	0.333	0.333	50.3	0.0	−0.8	0.8	273.6	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1046	1046_e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0	0.4	0.4	0.4	54.2	0.0	−1.0	1.0	275.3	1.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1047	1047_e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0	0.466	0.466	0.466	59.3	0.0	−1.1	1.1	270.4	2.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1048	1048_e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0	0.533	0.533	0.533	65.8	0.0	−1.0	1.0	274.3	3.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1049	1049_e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	70.3	0.0	−0.9	0.9	272.4	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1050	1050_e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0	0.666	0.666	0.666	75.7	0.0	−0.8	0.8	273.0	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1051	1051_e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.734	0.734	0.734	81.1	0.0	−0.4	0.4	271.3	4.5	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1052	1052_e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0	0.8	0.8	0.8	85.7	0.0	−0.3	0.3	279.0	4.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0

delta *E' =** ***3.2***

2−0132030−F0

PS490−7N, 21/22−F

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)

TUB material: code=rha4ta

http://130.149.60.45/~farbmetrik/PS49/PS49L0NP.PDF /.PS; salida de transferencia
N: ninguna 3D-linealización (OL) en archivo (F) o PS-startup (S), página 22/22

vea archivos semejantes: http://130.149.60.45/~farbmetrik/PS49/PS49.HTM
información técnica: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

n	$HIC*_{Fe}$	$rgb_{\_Fe}$			$ict_{\_Fe}$			$h_{si\_F,e}$	$rgb*_{Fe}$			$LabCh*_{Fe}$				
1053	1053_e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0
1054	1054_e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0
1055	1055_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1056	1056_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0
1057	1057_e	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	28.6	0.0	0.0	0.0	0.0
1058	1058_e	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.4	0.0	0.0	0.0	0.0
1059	1059_e	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.2	0.0	0.0	0.0	0.0
1060	1060_e	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	42.9	0.0	0.0	0.0	0.0
1061	1061_e	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	47.8	0.0	0.0	0.0	0.0
1062	1062_e	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.6	0.0	0.0	0.0	0.0
1063	1063_e	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.3	0.0	0.0	0.0	0.0
1064	1064_e	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.2	0.0	0.0	0.0	0.0
1065	1065_e	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.0	0.0	0.0	0.0	0.0
1066	1066_e	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.7	0.0	0.0	0.0	0.0
1067	1067_e	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0
1068	1068_e	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.4	0.0	0.0	0.0	0.0
1069	1069_e	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.1	0.0	0.0	0.0	0.0
1070	1070_e	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	91.0	0.0	0.0	0.0	0.0
1071	1071_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1072	1072_e	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	23.8	0.0	0.0	0.0	0.0
1073	1073_e	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1074	1074_e	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
1075	1075_e	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
1076	1076_e	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
1077	1077_e	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
1078	1078_e	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
1079	1079_e	1.0	0.0	1.0	1.0	1.0	0.5	330	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6

n	$rgb*'_{Fe}$			$LabCh*'_{Fe}$					$DE*'_{Fe}$	$h_{siM,e}$	$rgb*_{Me}$			$LabCh*_{Me}$				
1053	0.866	0.866	0.866	90.6	0.0	−0.1	0.1	266.5	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1054	0.933	0.933	0.933	94.4	0.0	−0.2	0.2	278.1	3.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1055	1.0	1.0	1.0	95.8	0.0	0.0	0.0	152.8	0.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1056	0.0	0.0	0.0	18.1	0.0	0.2	0.2	83.2	5.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1057	0.066	0.066	0.066	21.5	0.1	0.1	0.2	48.9	7.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1058	0.133	0.133	0.133	28.9	0.0	−0.7	0.7	268.2	4.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1059	0.2	0.2	0.2	37.3	0.0	−1.1	1.1	267.2	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1060	0.266	0.266	0.266	44.2	0.0	−1.1	1.1	269.1	1.7	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1061	0.333	0.333	0.333	49.9	0.0	−0.8	0.8	274.5	2.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1062	0.4	0.4	0.4	53.8	0.0	−0.9	0.9	273.2	1.4	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1063	0.466	0.466	0.466	59.7	0.0	−1.1	1.1	268.9	2.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1064	0.533	0.533	0.533	65.4	0.0	−0.9	0.9	273.1	3.3	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1065	0.6	0.6	0.6	70.2	0.0	−0.8	0.8	268.8	3.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1066	0.666	0.666	0.666	75.5	0.0	−0.7	0.7	271.9	3.8	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1067	0.734	0.734	0.734	80.8	0.0	−0.4	0.4	265.0	4.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1068	0.8	0.8	0.8	85.3	0.0	−0.3	0.3	279.5	3.9	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1069	0.866	0.866	0.866	90.2	0.0	0.0	0.0	252.2	4.0	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1070	0.933	0.933	0.933	94.2	0.0	−0.2	0.2	289.2	3.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1071	1.0	1.0	1.0	95.8	0.0	0.0	0.1	331.9	0.1	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1072	0.0	0.0	0.0	19.2	0.1	0.2	0.2	58.1	4.6	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1073	1.0	1.0	1.0	95.7	0.0	−0.2	0.2	284.6	0.2	360	1.0	1.0	1.0	95.8	0.0	0.0	0.0	0.0
1074	1.0	0.0	0.0	47.0	56.3	40.2	69.2	35.5	13.5	375	1.0	0.0	0.263	47.5	56.0	26.7	62.1	25.4
1075	0.0	1.0	1.0	54.9	−30.4	−42.0	51.8	234.0	15.2	198	0.0	1.0	0.791	54.9	−38.7	−29.1	48.4	216.9
1076	1.0	1.0	0.0	91.5	−16.0	86.1	87.6	100.5	17.8	77	1.0	0.768	0.0	83.6	−3.1	76.8	76.9	92.3
1077	0.0	0.0	1.0	30.7	21.3	−44.1	49.0	295.7	21.3	255	0.0	0.261	1.0	37.3	1.4	−48.6	48.7	271.7
1078	0.0	1.0	0.0	54.6	−69.2	33.1	76.7	154.3	12.4	157	0.0	1.0	0.146	53.8	−65.9	21.1	69.2	162.2
1079	1.0	0.0	1.0	48.3	66.3	−13.8	67.7	348.1	26.3	305	0.584	0.0	1.0	38.5	46.7	−28.5	54.7	328.6
								delta $E*'$ =	***6.3***									

TUB matrícula: 20130201-PS49/PS49L0NP.PDF /.PS
aplicación para la medida salida de impresora láser, separación cmyn6 (CMYK)
TUB material: code=rha4ta

2−0132130−F0

PS490−7N, 22/22−F

gráfico TUB-PS49; gráfico para la prueba
colores y differencia en color, $\Delta E*'$, 3D=0, de=1, *cmyk*

entrada: *rgb/cmyk* −> rgb_e
salida: transfiera a $cmyk_e$