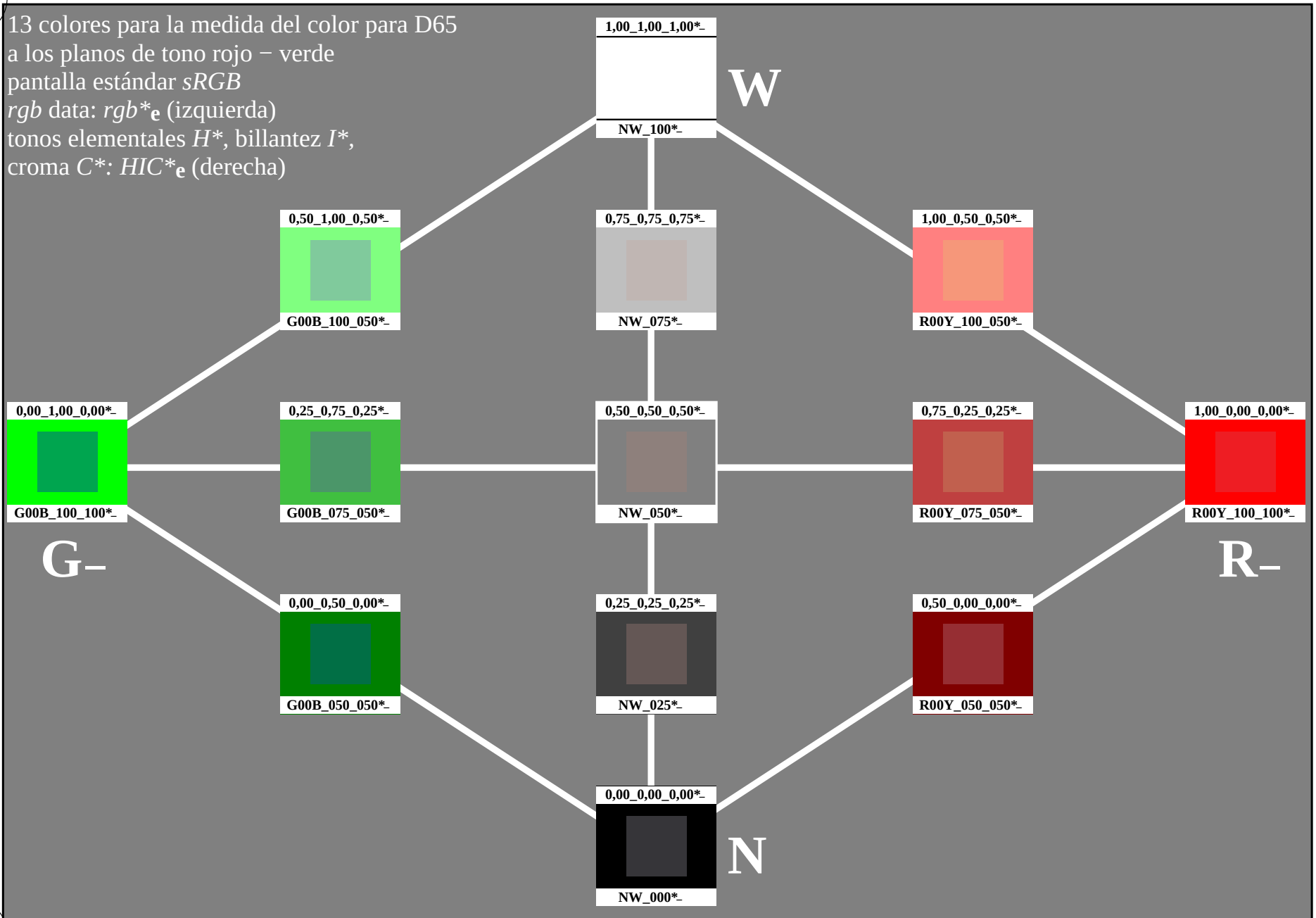
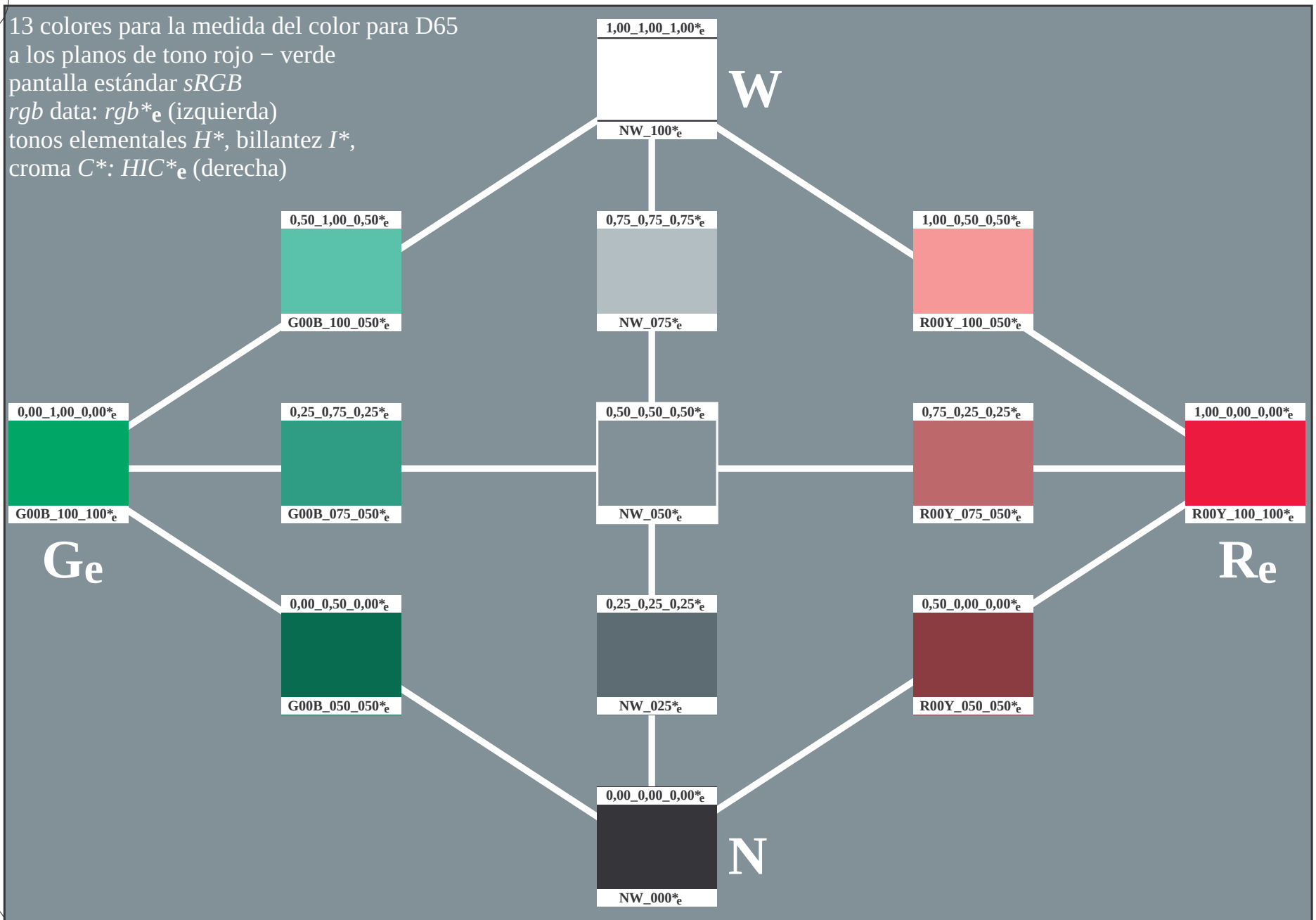
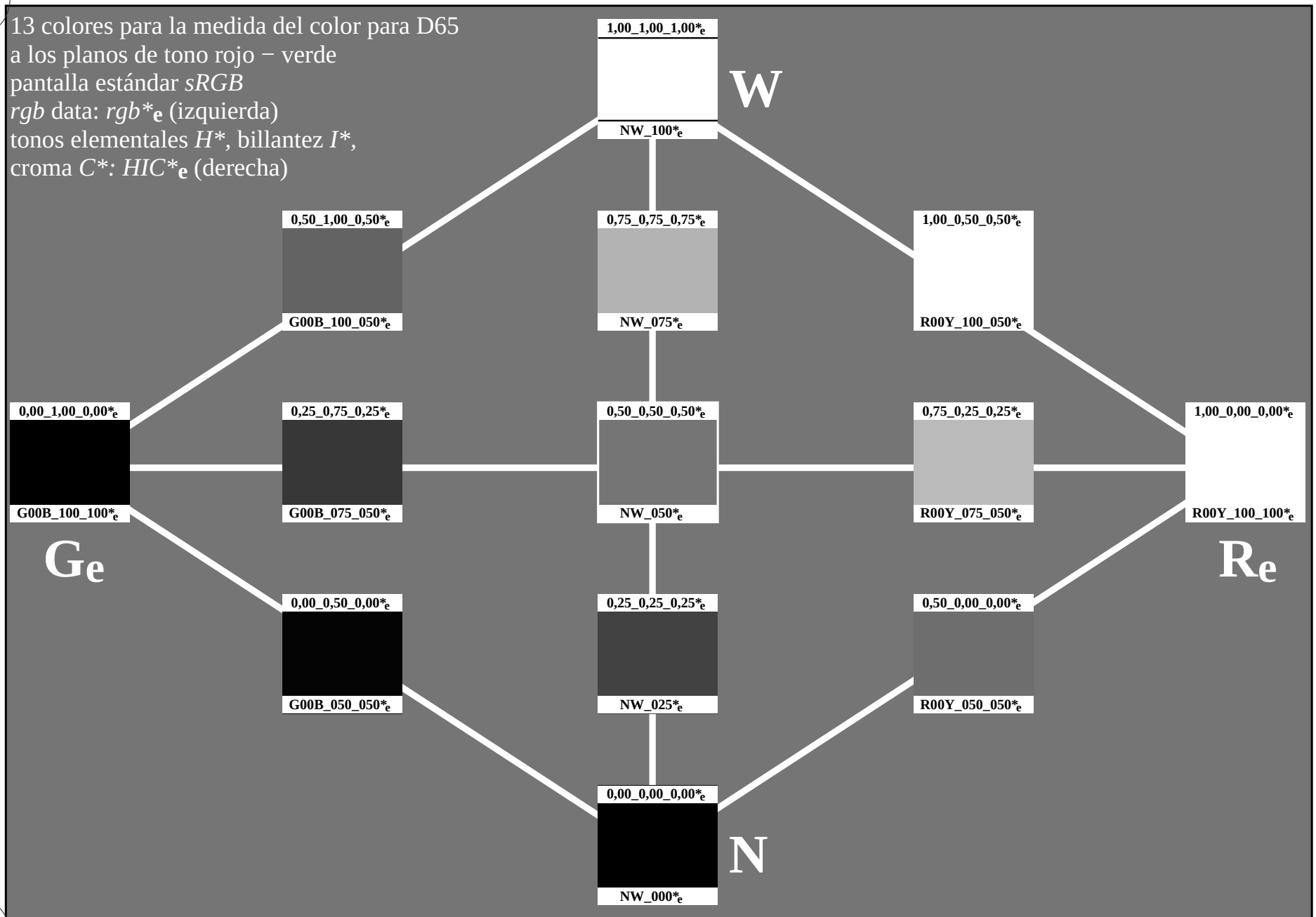
13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{\mathbf{e}}$ (derecha)



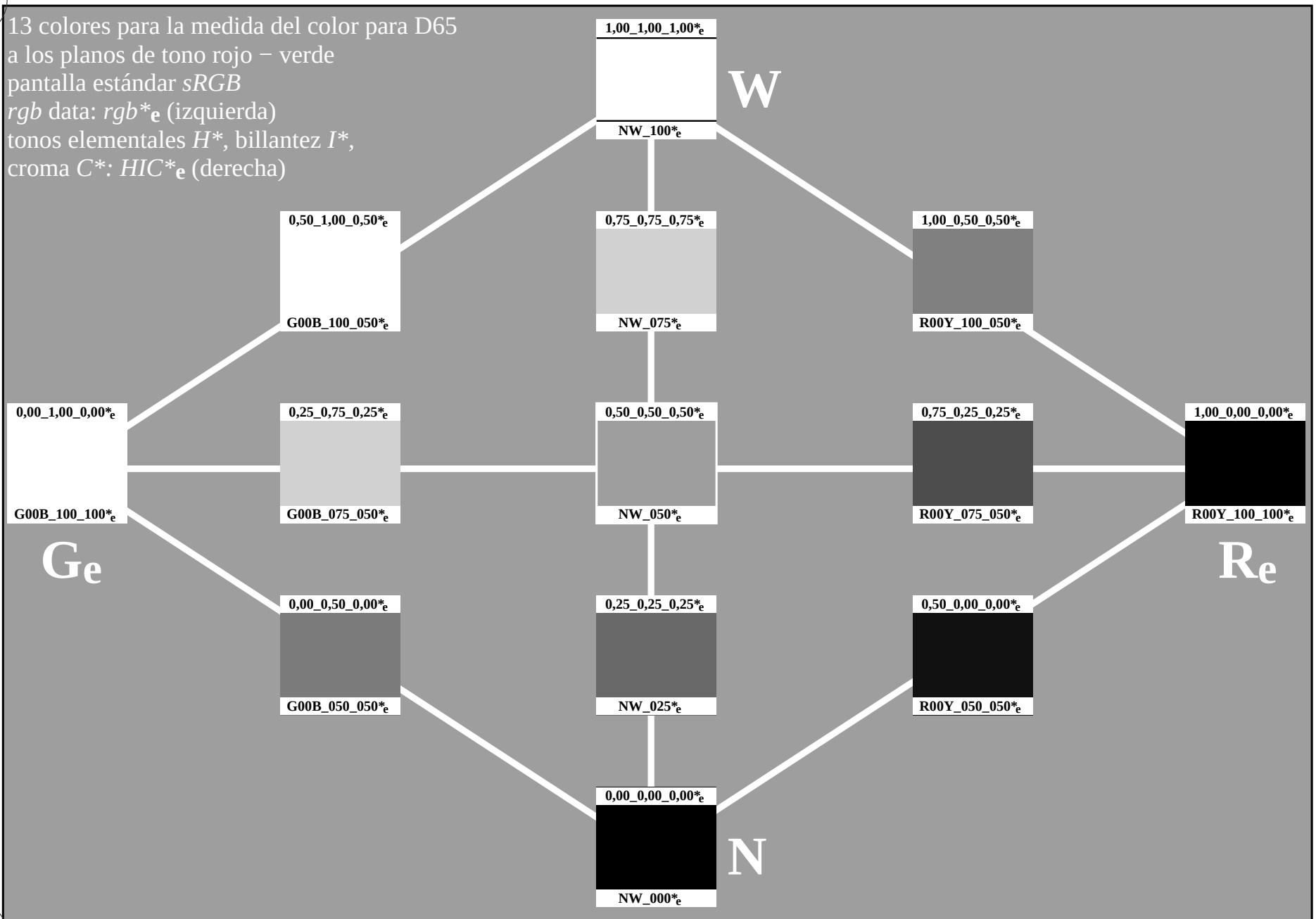
13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{\mathbf{e}}$ (derecha)



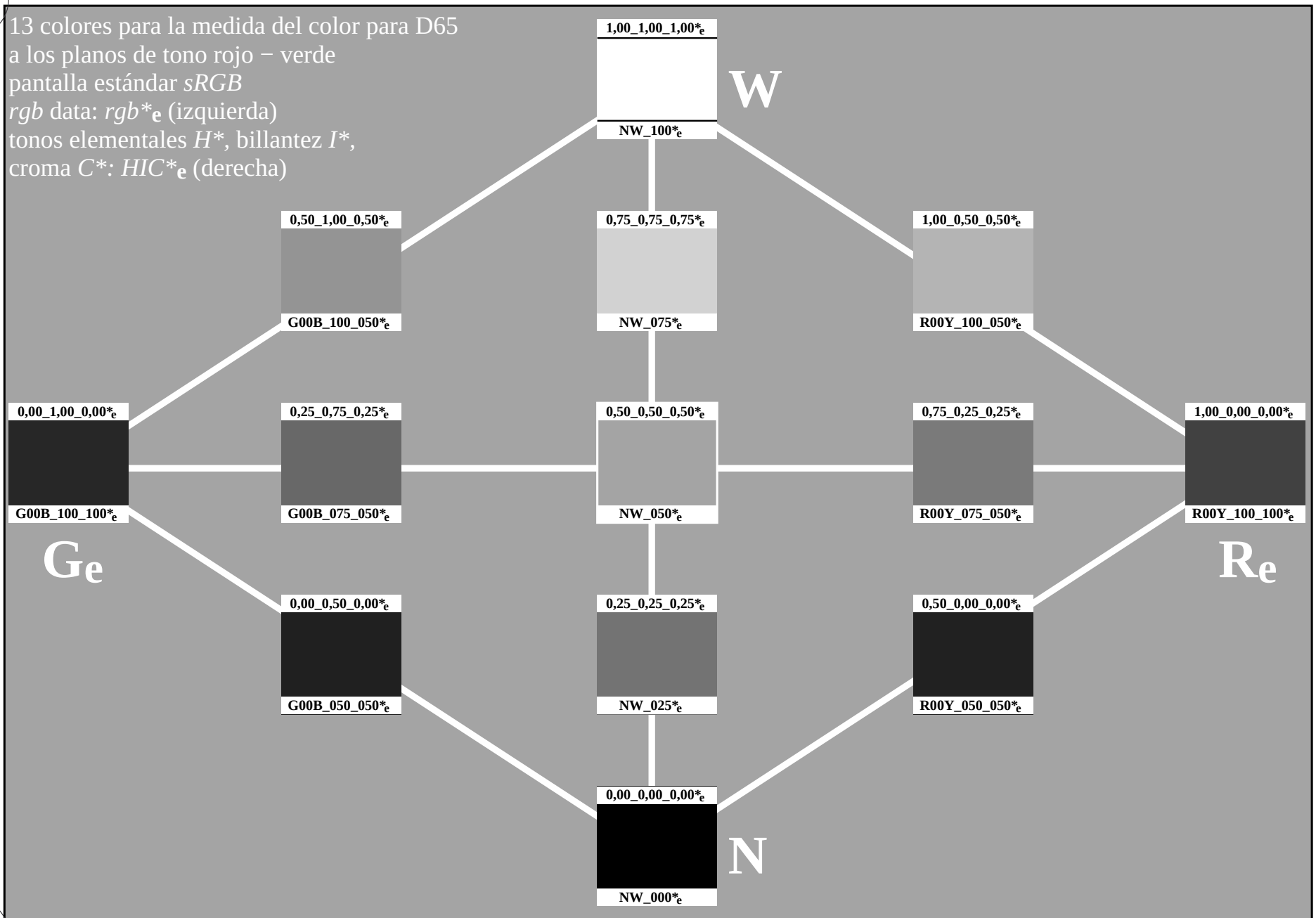
13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{\mathbf{e}}$ (derecha)



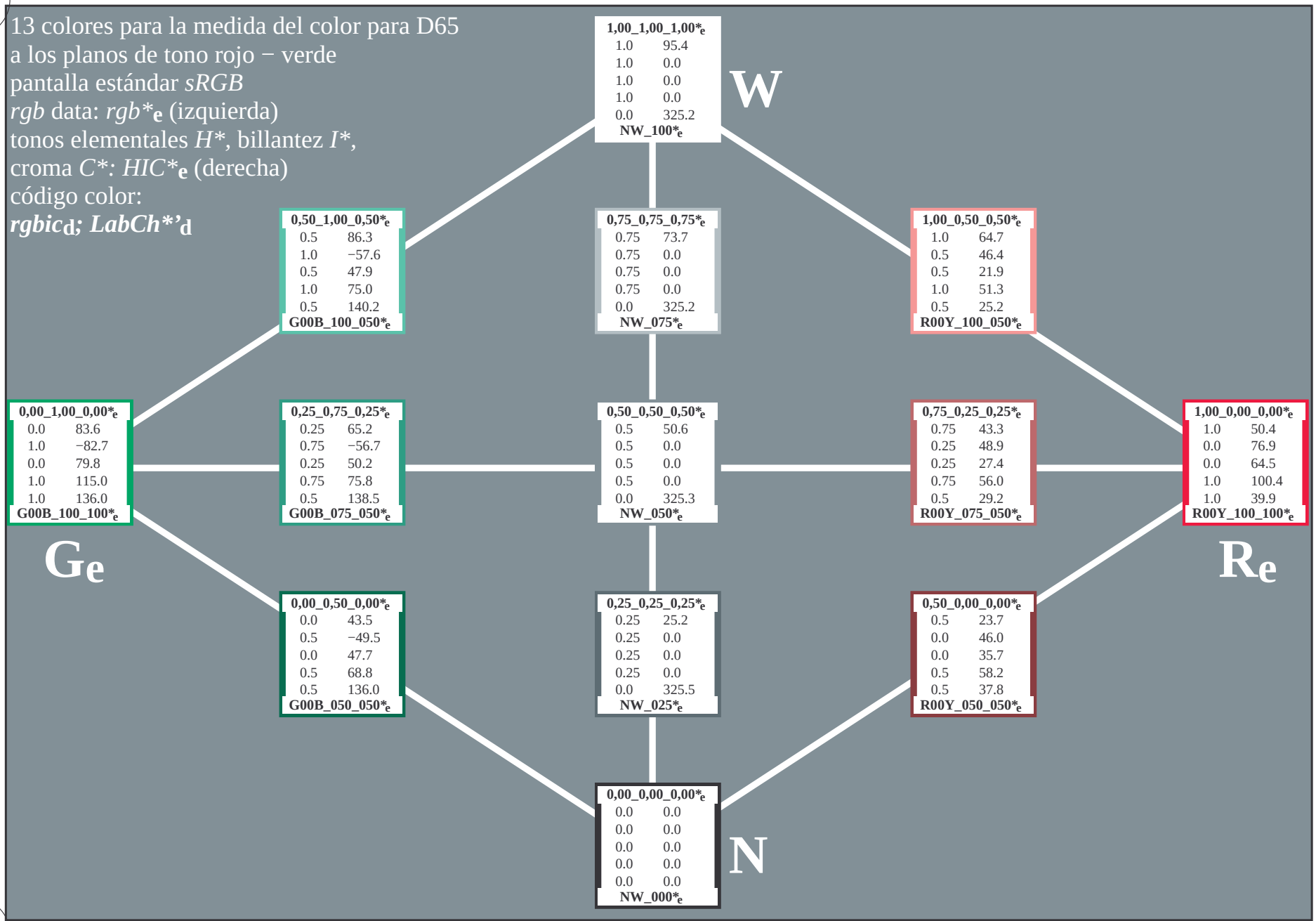
13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{e}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{e}$ (derecha)



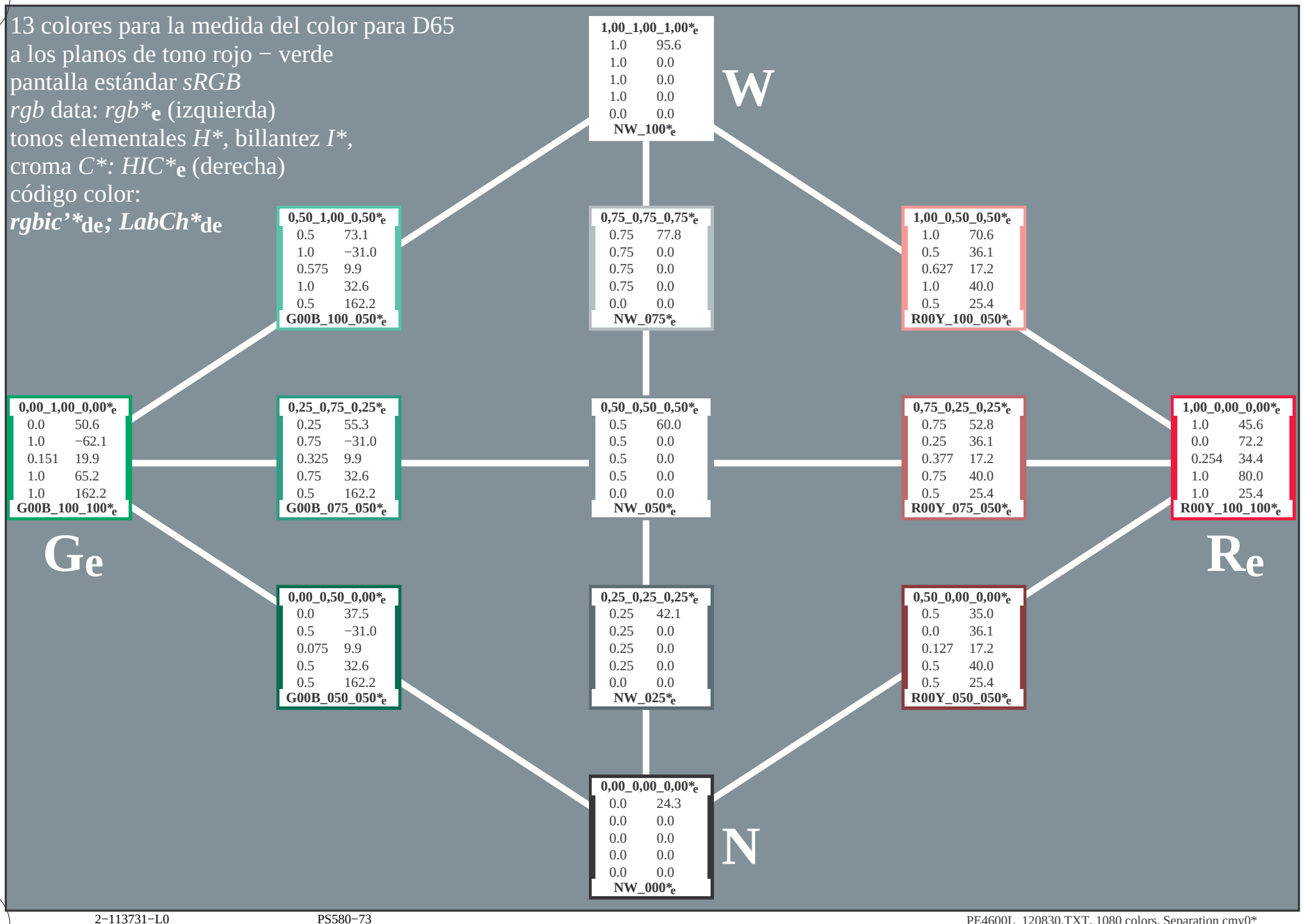
13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{e}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{e}$ (derecha)



13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: rgb^*_e (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_e$ (derecha)
código color:
***rgbic*$_d$*; LabCh*'*$_d$



13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{e}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{e}$ (derecha)
código color:
***rgbic'**$_{de}$; *LabCh**$_{de}$**



13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**e (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**e (derecha)
código color:
***rgbic**d; rgbic'**de**

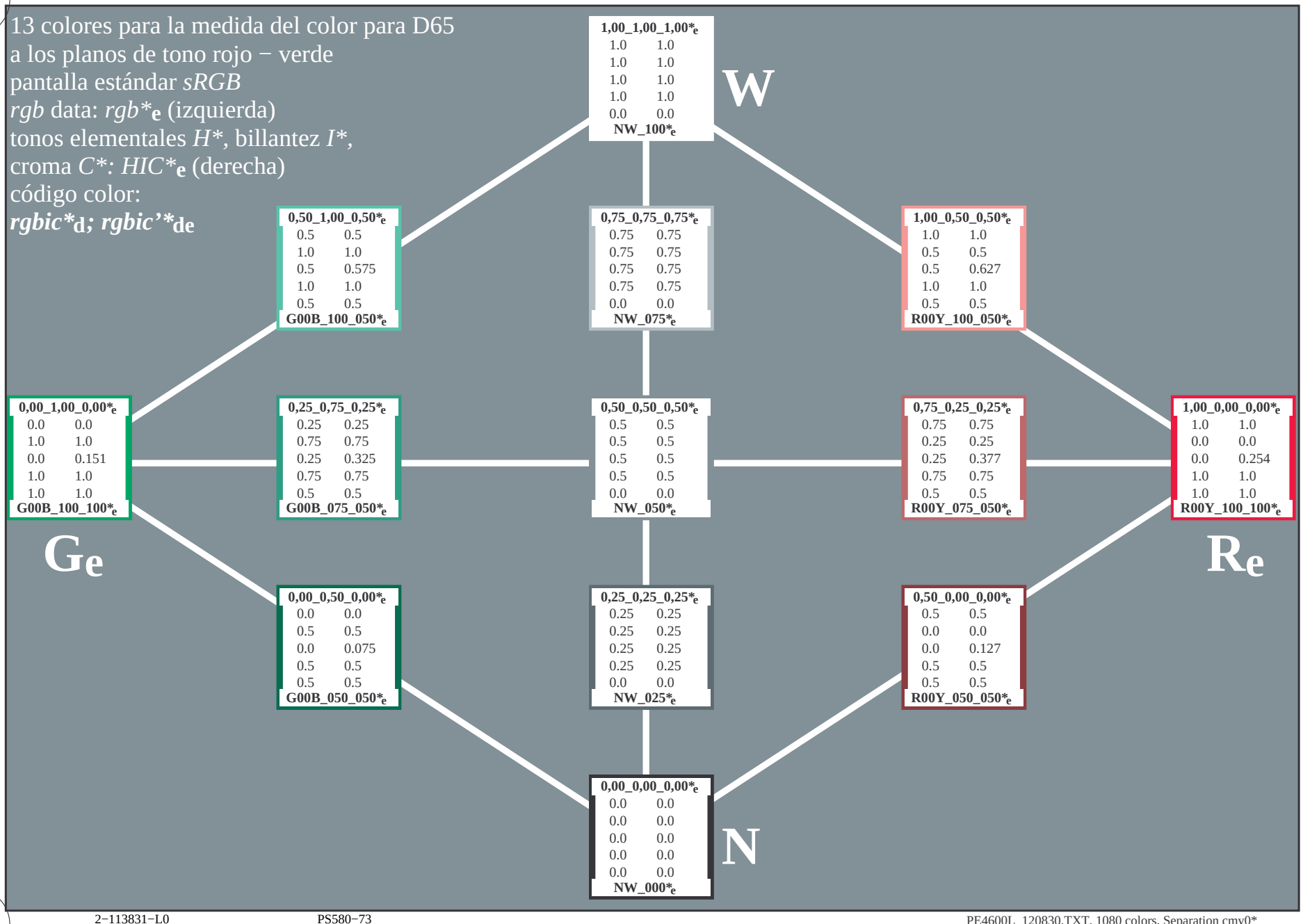


gráfico TUB-PS58; tonos rojo − verde
13 colores del estándar para D65, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> rgb_{de}
salida: 3D-linealización a $cmy0^*_{de}$

13 colores para la medida del color para D65
a los planos de tono rojo − verde
pantalla estándar *sRGB*
rgb data: *rgb**$_{e}$ (izquierda)
tonos elementales *H**, billantez *I**,
croma *C*: HIC**$_{e}$ (derecha)
código color:
LabCh**$_{de}$; Lab'*/DE'*/h'

1,00_1,00_1,00*$_e$
95.6 ?
0.0 ?
0.0 ?
0.0 ?
0.0 ?
NW_100*$_e$

W

0,50_1,00_0,50*$_e$
73.1 ?
−31.0 ?
9.9 ?
32.6 ?
162.2 ?
G00B_100_050*$_e$

0,75_0,75_0,75*$_e$
77.8 ?
0.0 ?
0.0 ?
0.0 ?
0.0 ?
NW_075*$_e$

1,00_0,50_0,50*$_e$
70.6 ?
36.1 ?
17.2 ?
40.0 ?
25.4 ?
R00Y_100_050*$_e$

0,00_1,00_0,00*$_e$
50.6 ?
−62.1 ?
19.9 ?
65.2 ?
162.2 ?
G00B_100_100*$_e$

Ge

0,25_0,75_0,25*$_e$
55.3 ?
−31.0 ?
9.9 ?
32.6 ?
162.2 ?
G00B_075_050*$_e$

0,50_0,50_0,50*$_e$
60.0 ?
0.0 ?
0.0 ?
0.0 ?
0.0 ?
NW_050*$_e$

0,75_0,25_0,25*$_e$
52.8 ?
36.1 ?
17.2 ?
40.0 ?
25.4 ?
R00Y_075_050*$_e$

1,00_0,00_0,00*$_e$
45.6 ?
72.2 ?
34.4 ?
80.0 ?
25.4 ?
R00Y_100_100*$_e$

Re

0,00_0,50_0,00*$_e$
37.5 ?
−31.0 ?
9.9 ?
32.6 ?
162.2 ?
G00B_050_050*$_e$

0,25_0,25_0,25*$_e$
42.1 ?
0.0 ?
0.0 ?
0.0 ?
0.0 ?
NW_025*$_e$

0,50_0,00_0,00*$_e$
35.0 ?
36.1 ?
17.2 ?
40.0 ?
25.4 ?
R00Y_050_050*$_e$

0,00_0,00_0,00*$_e$
24.3 ?
0.0 ?
0.0 ?
0.0 ?
0.0 ?
NW_000*$_e$

N

n/j	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1/657	R13Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2	0.0	0.979	1.0	0.0	31	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2
2/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	0.0	0.832	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
3/675	R38Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	0.0	0.71	1.0	0.0	46	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9
4/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	0.0	0.6	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
5/693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8	0.0	0.491	1.0	0.0	60	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8
6/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	0.0	0.397	1.0	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
7/711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	0.0	0.28	1.0	0.0	74	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5
8/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
9/639	Y13G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4	0.194	0.0	1.0	0.0	100	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
10/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.396	0.0	1.0	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
11/477	Y38G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9	0.565	0.0	1.0	0.0	124	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
12/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.678	0.0	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
13/315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5	0.766	0.0	1.0	0.0	137	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5
14/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.891	0.0	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
15/153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0	0.983	0.0	1.0	0.0	149	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
16/72	G00C_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
17/73	G13C_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6	1.0	0.0	0.736	0.0	164	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6
18/74	G25C_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0	1.0	0.0	0.646	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
19/75	G38C_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3	1.0	0.0	0.566	0.0	175	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3
20/76	G50C_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	1.0	0.0	0.495	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
21/77	G63C_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9	1.0	0.0	0.429	0.0	184	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9
22/78	G75C_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2	1.0	0.0	0.367	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
23/79	G88C_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5	1.0	0.0	0.309	0.0	192	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5
24/80	C00B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
25/71	C13B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3	1.0	0.0	0.181	0.0	200	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3
26/62	C25B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7	1.0	0.0	0.107	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
27/53	C38B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0	1.0	0.0	0.017	0.0	209	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0
28/44	C50B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	1.0	0.153	0.0	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
29/35	C63B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6	1.0	0.289	0.0	0.0	226	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6
30/26	C75B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9	1.0	0.397	0.0	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
31/17	C88B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3	1.0	0.466	0.0	0.0	237	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3
32/8	B00M_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
33/89	B13M_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3	1.0	0.62	0.0	0.0	248	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
34/170	B25M_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0	1.0	0.695	0.0	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
35/251	B38M_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5	1.0	0.787	0.0	0.0	258	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5
36/332	B50M_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	1.0	0.893	0.0	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
37/413	B63M_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7	0.977	0.999	0.0	0.0	271	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
38/494	B75M_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3	0.864	1.0	0.0	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
39/575	B88M_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9	0.752	1.0	0.0	0.0	283	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
40/656	M00R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
41/655	M13R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2	0.59	0.999	0.0	0.0	293	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2
42/654	M25R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8	0.475	0.999	0.0	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
43/653	M38R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4	0.334	1.0	0.0	0.0	310	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4
44/652	M50R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	0.264	1.0	0.0	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
45/651	M63R_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9	0.0	1.0	0.044	0.0	332	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9
46/650	M75R_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8	0.0	1.0	0.343	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
47/649	M88R_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6	0.0	1.0	0.538	0.0	362	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6
48/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
49/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
54/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
55/546	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
56/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
57/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131031−F0

n/j	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
0/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1/666	R25Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	0.0	0.832	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
2/684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	0.0	0.6	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
3/702	R75Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	0.0	0.397	1.0	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
4/720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
5/558	Y25G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.396	0.0	1.0	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
6/396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.678	0.0	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
7/234	Y75G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.891	0.0	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
8/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
9/72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
10/76	G25B_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	1.0	0.0	0.495	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
11/80	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
12/44	G75B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	1.0	0.153	0.0	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
13/8	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
14/332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	1.0	0.893	0.0	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
15/656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
16/652	B75R_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	0.264	1.0	0.0	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
17/648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
18/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
19/706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.699	0.5	77.9	19.1	31.7	37.0	58.8	0.0	0.375	0.5	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
20/724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	0.0	0.087	0.519	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
21/562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.661	1.0	0.5	79.1	−20.4	26.9	33.8	127.2	0.371	0.0	0.498	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
22/400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2	0.613	0.0	0.418	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
23/404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9	0.578	0.0	0.13	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
24/368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.53	0.252	0.01	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
25/692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	0.326	0.478	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
26/688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
27/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
28/524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.449	0.25	60.1	19.1	31.7	37.0	58.8	0.274	0.513	0.664	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
29/542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.268	0.252	0.724	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
30/380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.411	0.75	0.25	61.3	−20.4	26.9	33.8	127.2	0.61	0.205	0.699	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
31/218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.782	0.181	0.592	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
32/222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.748	0.207	0.288	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
33/186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.727	0.448	0.191	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
34/510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.6	0.69	0.212	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
35/506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
36/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
37/342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.199	0.0	42.3	19.1	31.7	37.0	58.8	0.557	0.734	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
38/360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.531	0.448	0.991	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
39/198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.161	0.5	0.0	43.5	−20.4	26.9	33.8	127.2	0.796	0.465	0.995	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
40/36	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2	0.984	0.519	0.873	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
41/40	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9	0.974	0.514	0.479	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
42/4	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.977	0.758	0.404	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
43/328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6	0.84	0.99	0.486	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
44/324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
45/0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
46/91	NW_013$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
47/182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
48/273	NW_038$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
49/364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
50/455	NW_063$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
51/546	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
52/637	NW_088$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
53/728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'^*$, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131131−F0

n=j	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
0	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	0.0	360	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1	B00R_012_012$_{de}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	−5.0	5.0	271.7	0.984	0.915	0.774	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
2	B00R_025_025$_{de}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.114	0.25	28.3	0.3	−10.1	10.1	271.7	0.979	0.856	0.619	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
3	B00R_037_037$_{de}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	−15.2	15.2	271.7	0.976	0.807	0.511	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
4	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.977	0.758	0.404	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
5	B00R_062_062$_{de}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	−25.4	25.4	271.7	0.979	0.705	0.302	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
6	B00R_075_075$_{de}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	−30.5	30.5	271.7	0.983	0.644	0.199	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
7	B00R_087_087$_{de}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.4	0.875	38.2	1.0	−35.5	35.6	271.7	0.991	0.591	0.1	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
8	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
9	G00B_012_012$_{de}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.6	−7.7	2.4	8.1	162.2	0.991	0.859	0.959	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
10	G50B_012_012$_{de}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.093	28.2	−4.5	−3.4	5.6	216.9	0.983	0.849	0.779	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
11	G75B_025_025$_{de}$	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.211	0.25	31.6	−4.9	−10.3	11.4	244.3	0.973	0.771	0.583	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
12	G84B_037_037$_{de}$	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.25	0.375	33.1	−4.3	−15.4	15.9	254.3	0.972	0.73	0.485	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
13	G88B_050_050$_{de}$	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.301	0.5	35.0	−3.9	−20.4	20.8	258.9	0.973	0.683	0.385	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
14	G90B_062_062$_{de}$	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.357	0.625	36.9	−3.7	−25.6	25.8	261.6	0.976	0.63	0.287	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
15	G92B_075_075$_{de}$	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.414	0.75	38.9	−3.4	−30.7	30.9	263.5	0.983	0.575	0.192	0.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
16	G93B_087_087$_{de}$	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.474	0.875	40.9	−3.4	−35.8	35.9	264.4	0.991	0.521	0.096	0.0	237	0.0	0.542	1.0	43.3	−3.9	−40.9	41.1	264.4
17	G94B_100_100$_{de}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3	1.0	0.466	0.0	0.0	237	0.0	0.532	1.0	42.9	−3.3	−40.8	41.0	265.3
18	G00B_025_025$_{de}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.037	30.9	−15.5	4.9	16.3	162.2	0.987	0.751	0.917	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
19	G25B_025_025$_{de}$	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	31.5	−12.1	−2.0	12.3	189.6	0.985	0.748	0.749	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
20	G50B_025_025$_{de}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.186	32.0	−9.0	−6.8	11.3	216.9	0.978	0.752	0.643	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
21	G65B_037_037$_{de}$	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.375	0.355	36.3	−10.4	−14.5	17.8	234.3	0.969	0.636	0.48	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
22	G75B_050_050$_{de}$	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.423	0.5	38.8	−9.9	−20.6	22.9	244.3	0.968	0.578	0.365	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
23	G80B_062_062$_{de}$	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.453	0.625	40.2	−8.9	−25.7	27.2	250.7	0.974	0.541	0.276	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
24	G84B_075_075$_{de}$	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.5	0.75	41.9	−8.6	−30.8	31.9	254.3	0.982	0.496	0.186	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
25	G86B_087_087$_{de}$	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.545	0.875	43.7	−8.1	−35.7	36.7	257.1	0.99	0.45	0.095	0.0	231	0.0	0.622	1.0	46.4	−9.3	−40.9	41.9	257.1
26	G88B_100_100$_{de}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9	1.0	0.397	0.0	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
27	G00B_037_037$_{de}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.056	34.2	−23.2	7.4	24.4	162.2	0.984	0.637	0.89	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
28	G15B_037_037$_{de}$	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.151	34.8	−20.0	0.1	20.0	179.5	0.985	0.636	0.752	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
29	G34B_037_037$_{de}$	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.222	35.4	−16.5	−5.9	17.6	199.6	0.98	0.629	0.626	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
30	G50B_037_037$_{de}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.28	35.8	−13.5	−10.2	16.9	216.9	0.975	0.633	0.555	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
31	G61B_050_050$_{de}$	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.5	0.446	40.1	−15.0	−17.7	23.2	229.7	0.971	0.522	0.41	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
32	G69B_062_062$_{de}$	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.625	0.621	44.6	−16.1	−25.7	30.3	237.9	0.972	0.422	0.263	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
33	G75B_075_075$_{de}$	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.634	0.75	46.0	−14.8	−31.0	34.4	244.3	0.978	0.389	0.172	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
34	G79B_087_087$_{de}$	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.662	0.875	47.3	−13.8	−36.0	38.5	248.9	0.987	0.349	0.087	0.0	223	0.0	0.757	1.0	50.6	−15.8	−41.1	44.1	248.9
35	G81B_100_100$_{de}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6	1.0	0.289	0.0	0.0	226	0.0	0.711	1.0	49.2	−13.6	−41.1	43.3	251.6
36	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2	0.984	0.519	0.873	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
37	G11B_050_050$_{de}$	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.175	38.1	−27.7	2.4	27.8	175.0	0.984	0.516	0.747	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
38	G25B_050_050$_{de}$	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.251	38.6	−24.3	−4.1	24.6	189.6	0.983	0.514	0.639	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
39	G38B_050_050$_{de}$	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.316	39.2	−21.0	−9.4	23.0	204.2	0.979	0.512	0.549	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
40	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9	0.974	0.514	0.479	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
41	G59B_062_062$_{de}$	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.625	0.537	44.0	−19.6	−21.0	28.8	227.0	0.977	0.417	0.344	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
42	G65B_075_075$_{de}$	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.75	0.711	48.4	−20.8	−29.0	35.7	234.3	0.981	0.292	0.205	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
43	G70B_087_087$_{de}$	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.841	0.875	52.0	−21.1	−36.3	42.0	239.7	0.989	0.188	0.081	0.0	211	0.0	0.962	1.0	56.0	−24.1	−41.5	48.0	239.7
44	G75B_100_100$_{de}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3	1.0	0.153	0.0	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
45	G00B_062_062$_{de}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.094	40.8	−38.8	12.4	40.7	162.2	0.987	0.415	0.862	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
46	G09B_062_062$_{de}$	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.195	41.4	−35.6	4.8	35.9	172.2	0.987	0.413	0.743	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
47	G19B_062_062$_{de}$	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.274	41.9	−32.4	−1.8	32.4	183.2	0.988	0.41	0.65	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
48	G30B_062_062$_{de}$	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.349	42.5	−28.7	−8.2	29.8	195.9	0.986	0.408	0.553	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
49	G40B_062_062$_{de}$	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.411	43.0	−25.5	−12.9	28.6	206.9	0.982	0.408	0.477	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
50	G50B_062_062$_{de}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.467	43.5	−22.6	−17.0	28.3	216.9	0.979	0.413	0.411	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
51	G57B_075_075$_{de}$	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.75	0.629	47.8	−24.2	−24.4	34.4	225.1	0.983	0.288	0.287	0.0	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
52	G63B_087_087$_{de}$	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.875	0.8	52.2	−25.5	−32.2	41.1	231.5	0.99	0.16	0.157	0.0	205	0.0	1.0	0.915	56.1	−29.2	−36.8	47.0	231.5
53	G68B_100_100$_{de}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0	1.0	0.0	0.017	0.0	209	0.0	1.0	0.982	56.6	−26.3	−40.6	48.3	237.0
54	G00B_075_075$_{de}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.113	44.1	−46.5	14.9	48.9	162.2	0.99	0.286	0.855	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
55	G07B_075_075$_{de}$	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.215	44.6	−43.3	7.3	43.9	170.4	0.99	0.284	0.744	0.0	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
56	G15B_075_075$_{de}$	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.302	45.2	−40.1	0.3	40.1	179.5	0.99	0.282	0.646	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
57	G25B_075_075$_{de}$	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.376	45.8	−36.4	−6.1	36.9	189.6	0.989	0.282	0.561	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
58	G34B_075_075$_{de}$	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.444	46.4	−33.1	−11.8	35.2	199.6	0.988	0.28	0.489	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
59	G42B_075_075$_{de}$	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.505	46.9	−30.1	−16.5	34.3	208.7	0.987	0.282	0.42	0.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
60	G50B_075_075$_{de}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.56	47.3	−27.1	−20.4	33.9	216.9	0.984	0.286	0.357	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
61	G56B_087_087$_{de}$	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.875	0.725	51.6	−28.7	−28.0	40.1	224.2	0.992	0.157	0.234	0.0	200	0.0	1.0	0.829	55.5	−32.8	−32.0	45.8	224.2
62	G61B_100_100$_{de}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7	1.0	0.0	0.107	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
63	G00B_087_087$_{de}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.132	47.3	−54.3	17.4	57.0	162.2	0.995	0.157	0.853	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
64	G06B_087_087$_{de}$	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.239	48.0	−50.9	9.4	51.8	169.5	0.995	0.155	0.739	0.0	165	0.0	1.0	0.274	51.3	−58.2	10.7	59.2	169.5
65	G13B_087_087$_{de}$	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.329	48.5	−47.7	2.6	47.8	176.8	0.994	0.157	0.647	0.0	171	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176.8
66	G20B_087_087$_{de}$	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.4	49.1	−44.6	−3.9	44.7	185.0	0.997	0.155	0.57	0.0	177	0.0	1.0	0.457	52.6	−50.9	−4.4	51.1	185.0
67	G29B_087_087$_{de}$	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.475	49.7	−40.9	−10.3	42.2	194.1	0.995	0.153	0.496	0.0	182	0.0	1.0	0.543	53.3	−46.7	−11.8	48.2	194.1
68	G36B_087_087$_{de}$	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.54	50.2	−37.4	−15.4	40.5	202.3	0.994	0.154	0.429	0.0	187	0.0	1.0	0.617	53.9	−42.8	−17.6	46.3	202.3
69	G43B_087_087$_{de}$	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.597	50.7	−34.7	−19.8	40.0	209.6	0.994	0.153	0.371	0.0	191	0.0	1.0	0.682	54.5	−39.7	−22.6	45.7	209.6
70	G50B_087_087$_{de}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.653	51.1	−31.6	−23.8	39.6	216.9	0.992	0.158	0.304	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
71	G55B_100_100$_{de}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3	1.0	0.0	0.181	0.0	200	0.0	1.0	0.818	55.5	−33.2	−31.4	45.7	223.3
72	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
73	G05B_100_100$_{de}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6	1.0	0.0	0.736	0.0	164	0.0	1.0	0.261	51.3	−58.6	11.8	59.7	168.6
74	G11B_100_100$_{de}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0	1.0	0.0	0.646	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
75	G18B_100_100$_{de}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3	1.0	0.0	0.566	0.0	175	0.0	1.0	0.43	52.4	−52.2	−2.1	52.3	182.3
76	G25B_100_100$_{de}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6	1.0	0.0	0.495	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
77	G31B_100_100$_{de}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9	1.0	0.0	0.429	0.0	184	0.0	1.0	0.568	53.5	−45.5	−13.8	47.5	196.9
78	G38B_100_100$_{de}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2	1.0	0.0	0.367	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
79	G44B_100_100$_{de}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5	1.0	0.0	0.309	0.0	192	0.0	1.0	0.69	54.5	−39.3	−23.2	45.6	210.5
80	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131231−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
81	R00Y_012_012$_{de}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.031	27.0	9.0	4.3	10.0	25.4	0.901	0.963	0.999	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
82	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.04	0.0	0.125	25.2	5.9	−3.6	6.9	328.6	0.961	0.98	0.829	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
83	B25R_025_025$_{de}$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.0	0.026	0.25	25.3	5.8	−10.0	11.6	300.1	0.983	0.965	0.66	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
84	B15R_037_037$_{de}$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.0	0.093	0.375	27.5	5.4	−15.0	16.0	289.7	0.978	0.885	0.538	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
85	B11R_050_050$_{de}$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.0	0.151	0.5	29.5	5.4	−20.2	20.9	285.0	0.978	0.834	0.428	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
86	B09R_062_062$_{de}$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.0	0.209	0.625	31.5	5.4	−25.2	25.8	282.1	0.981	0.781	0.319	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
87	B07R_075_075$_{de}$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.0	0.267	0.75	33.6	5.4	−30.2	30.7	280.2	0.985	0.722	0.213	0.0	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
88	B06R_087_087$_{de}$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.0	0.321	0.875	35.4	5.7	−35.2	35.7	279.3	0.99	0.666	0.108	0.0	248	0.0	0.367	1.0	37.0	6.6	−40.2	40.8	279.3
89	B05R_100_100$_{de}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3	1.0	0.62	0.0	0.0	248	0.0	0.378	1.0	37.4	5.9	−40.2	40.7	278.3
90	Y00G_012_012$_{de}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.109	0.0	31.7	−0.4	11.3	11.3	92.3	0.878	0.805	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
91	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
92	B00R_025_012$_{de}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.182	0.25	35.2	0.1	−5.0	5.0	271.7	0.877	0.732	0.61	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
93	B00R_037_025$_{de}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.239	0.375	37.2	0.3	−10.1	10.1	271.7	0.867	0.69	0.504	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
94	B00R_050_037$_{de}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.296	0.5	39.2	0.4	−15.2	15.2	271.7	0.862	0.64	0.395	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
95	B00R_062_050$_{de}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.354	0.625	41.2	0.6	−20.3	20.3	271.7	0.86	0.592	0.3	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
96	B00R_075_062$_{de}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.411	0.75	43.2	0.7	−25.4	25.4	271.7	0.863	0.548	0.204	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
97	B00R_087_075$_{de}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.468	0.875	45.1	0.9	−30.5	30.5	271.7	0.867	0.501	0.105	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
98	B00R_100_087$_{de}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.525	1.0	47.1	1.0	−35.5	35.6	271.7	0.872	0.46	0.006	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
99	Y50G_025_025$_{de}$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.08	0.25	0.0	33.9	−10.2	13.4	16.9	127.2	0.901	0.717	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
100	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−7.7	2.4	8.1	162.2	0.885	0.672	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
101	G50B_025_012$_{de}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.218	37.1	−4.5	−3.4	5.6	216.9	0.878	0.673	0.621	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
102	G75B_037_025$_{de}$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.336	0.375	40.5	−4.9	−10.3	11.4	244.3	0.863	0.6	0.472	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
103	G84B_050_037$_{de}$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.375	0.5	42.0	−4.3	−15.4	15.9	254.3	0.861	0.563	0.379	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
104	G88B_062_050$_{de}$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.426	0.625	43.9	−3.9	−20.4	20.8	258.9	0.862	0.524	0.288	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
105	G90B_075_062$_{de}$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.482	0.75	45.8	−3.7	−25.6	25.8	261.6	0.865	0.482	0.193	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
106	G92B_087_075$_{de}$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.539	0.875	47.8	−3.4	−30.7	30.9	263.5	0.872	0.441	0.098	0.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
107	G93B_100_087$_{de}$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.599	1.0	49.8	−3.4	−35.8	35.9	264.4	0.875	0.399	0.001	0.0	237	0.0	0.542	1.0	43.3	−3.9	−40.9	41.1	264.4
108	Y68G_037_037$_{de}$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.069	0.375	0.0	36.4	−19.1	15.9	24.9	140.0	0.912	0.622	1.0	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
109	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.162	39.8	−15.5	4.9	16.3	162.2	0.887	0.564	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
110	G25B_037_025$_{de}$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	40.4	−12.1	−2.0	12.3	189.6	0.882	0.564	0.617	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
111	G50B_037_025$_{de}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.311	40.9	−9.0	−6.8	11.3	216.9	0.874	0.571	0.533	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
112	G65B_050_037$_{de}$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.5	0.48	45.3	−10.4	−14.5	17.8	234.3	0.862	0.474	0.379	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
113	G75B_062_050$_{de}$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.548	0.625	47.7	−9.9	−20.6	22.9	244.3	0.86	0.43	0.27	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
114	G80B_075_062$_{de}$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.578	0.75	49.1	−8.9	−25.7	27.2	250.7	0.868	0.406	0.183	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
115	G84B_087_075$_{de}$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.625	0.875	50.8	−8.6	−30.8	31.9	254.3	0.875	0.371	0.093	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
116	G86B_100_087$_{de}$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.67	1.0	52.6	−8.1	−35.7	36.7	257.1	0.879	0.319	0.005	0.0	231	0.0	0.622	1.0	46.4	−9.3	−40.9	41.9	257.1
117	Y76G_050_050$_{de}$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.054	0.5	0.0	39.2	−27.7	18.7	33.5	145.9	0.923	0.511	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
118	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.181	43.1	−23.2	7.4	24.4	162.2	0.891	0.458	0.732	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
119	G15B_050_037$_{de}$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.276	43.7	−20.0	0.1	20.0	179.5	0.889	0.458	0.623	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
120	G34B_050_037$_{de}$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.347	44.3	−16.5	−5.9	17.6	199.6	0.882	0.458	0.525	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
121	G50B_050_037$_{de}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.405	44.7	−13.5	−10.2	16.9	216.9	0.874	0.465	0.454	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
122	G61B_062_050$_{de}$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.625	0.571	49.0	−15.0	−17.7	23.2	229.7	0.869	0.381	0.315	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
123	G69B_075_062$_{de}$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.75	0.746	53.5	−16.1	−25.7	30.3	237.9	0.871	0.265	0.176	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
124	G75B_087_075$_{de}$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.759	0.875	54.9	−14.8	−31.0	34.4	244.3	0.877	0.235	0.088	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
125	G79B_100_087$_{de}$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.787	1.0	56.2	−13.8	−36.0	38.5	248.9	0.882	0.202	0.004	0.0	223	0.0	0.757	1.0	50.6	−15.8	−41.1	44.1	248.9
126	Y81G_062_062$_{de}$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.043	0.625	0.0	42.0	−36.9	21.8	42.8	149.4	0.937	0.412	1.0	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
127	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.2	46.4	−31.0	9.9	32.6	162.2	0.897	0.356	0.727	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
128	G11B_062_050$_{de}$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.3	47.0	−27.7	2.4	27.8	175.0	0.896	0.359	0.622	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
129	G25B_062_050$_{de}$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.376	47.5	−24.3	−4.1	24.6	189.6	0.891	0.358	0.533	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
130	G38B_062_050$_{de}$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.441	48.1	−21.0	−9.4	23.0	204.2	0.884	0.363	0.453	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
131	G50B_062_050$_{de}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.498	48.6	−18.1	−13.6	22.6	216.9	0.877	0.37	0.385	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
132	G59B_075_062$_{de}$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.75	0.662	52.9	−19.6	−21.0	28.8	227.0	0.877	0.251	0.257	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
133	G65B_087_075$_{de}$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.875	0.836	57.3	−20.8	−29.0	35.7	234.3	0.883	0.143	0.124	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
134	G70B_100_087$_{de}$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.966	1.0	60.9	−21.1	−36.3	42.0	239.7	0.885	0.026	0.0	0.0	211	0.0	0.962	1.0	56.0	−24.1	−41.5	48.0	239.7
135	Y85G_075_075$_{de}$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.032	0.75	0.0	44.8	−46.0	24.7	52.2	151.7	0.954	0.288	1.0	0.0	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
136	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.219	49.7	−38.8	12.4	40.7	162.2	0.904	0.222	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
137	G09B_075_062$_{de}$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.32	50.3	−35.6	4.8	35.9	172.2	0.901	0.225	0.619	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
138	G19B_075_062$_{de}$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.399	50.8	−32.4	−1.8	32.4	183.2	0.897	0.225	0.541	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
139	G30B_075_062$_{de}$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.474	51.4	−28.7	−8.2	29.8	195.9	0.89	0.229	0.46	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
140	G40B_075_062$_{de}$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.536	51.9	−25.5	−12.9	28.6	206.9	0.886	0.236	0.393	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
141	G50B_075_062$_{de}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.592	52.4	−22.6	−17.0	28.3	216.9	0.881	0.244	0.327	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
142	G57B_087_075$_{de}$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.875	0.754	56.7	−24.2	−24.4	34.4	225.1	0.886	0.135	0.21	0.0	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
143	G63B_100_087$_{de}$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	1.0	0.925	61.1	−25.5	−32.2	41.1	231.5	0.891	0.0	0.073	0.0	205	0.0	1.0	0.915	56.1	−29.2	−36.8	47.0	231.5
144	Y86G_087_087$_{de}$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.025	0.875	0.0	47.8	−54.7	27.9	61.4	152.9	0.964	0.158	1.0	0.0	148	0.029	1.0	0.0	51.1	−62.5	31.9	70.2	152.9
145	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.238	53.0	−46.5	14.9	48.9	162.2	0.909	0.095	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
146	G07B_087_075$_{de}$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.34	53.5	−43.3	7.3	43.9	170.4	0.907	0.1	0.624	0.0	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
147	G15B_087_075$_{de}$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.427	54.1	−40.1	0.3	40.1	179.5	0.904	0.103	0.543	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
148	G25B_087_075$_{de}$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.501	54.7	−36.4	−6.1	36.9	189.6	0.899	0.112	0.469	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
149	G34B_087_075$_{de}$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.569	55.3	−33.1	−11.8	35.2	199.6	0.897	0.116	0.403	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
150	G42B_087_075$_{de}$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.63	55.8	−30.1	−16.5	34.3	208.7	0.894	0.122	0.34	0.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
151	G50B_087_075$_{de}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.685	56.2	−27.1	−20.4	33.9	216.9	0.889	0.13	0.28	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
152	G56B_100_087$_{de}$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	1.0	0.85	60.5	−28.7	−28.0	40.1	224.2	0.894	0.0	0.149	0.0	200	0.0	1.0	0.829	55.5	−32.8	−32.0	45.8	224.2
153	Y88G_100_100$_{de}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0	0.983	0.0	1.0	0.0	149	0.016	1.0	0.0	50.6	−63.6	30.9	70.7	154.0
154	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.257	56.3	−54.3	17.4	57.0	162.2	0.917	0.0	0.749	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
155	G06B_100_087$_{de}$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.364	56.9	−50.9	9.4	51.8	169.5	0.913	0.0	0.623	0.0	165	0.0	1.0	0.274	51.3	−58.2	10.7	59.2	169.5
156	G13B_100_087$_{de}$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.454	57.4	−47.7	2.6	47.8	176.8	0.905	0.0	0.531	0.0	171	0.0	1.0	0.376	52.0	−54.5	3.0	54.6	176.8
157	G20B_100_087$_{de}$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.525	58.0	−44.6	−3.9	44.7	185.0	0.905	0.0	0.462	0.0	177	0.0	1.0	0.457	52.6	−50.9	−4.4	51.1	185.0
158	G29B_100_087$_{de}$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.6	58.6	−40.9	−10.3	42.2	194.1	0.907	0.0	0.398	0.0	182	0.0	1.0	0.543	53.3	−46.7	−11.8	48.2	194.1
159	G36B_100_087$_{de}$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.665	59.1	−37.4	−15.4	40.5	202.3	0.903	0.0	0.338	0.0	187	0.0	1.0	0.617	53.9	−42.8	−17.6	46.3	202.3
160	G43B_100_087$_{de}$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.722	59.6	−34.7	−19.8	40.0	209.6	0.9	0.0	0.283	0.0	191	0.0	1.0	0.682	54.5	−39.7	−22.6	45.7	209.6
161	G50B_100_087$_{de}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.778	60.0	−31.6	−23.8	39.6	216.9	0.895	0.0	0.222	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, Δ*E'**, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb*$^*_{Fde}$			*LabCh*$^*_{Fde}$				*cmyn*$^*_{sep,Fde}$				$h_{siM,de}$	*rgb*$^*_{Mde}$			*LabCh*$^*_{Mde}$			
162	R00Y_025_025$_{de}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.063	29.6	18.0	8.6	20.0	25.4	0.767	0.924	0.963	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
163	R00Y_025_025$_{de}$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.184	0.0	0.25	28.6	17.6	−2.4	17.7	352.0	0.833	0.949	0.735	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
164	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.08	0.0	0.25	26.0	11.9	−7.2	13.9	328.6	0.927	0.983	0.705	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
165	B34R_037_037$_{de}$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.024	0.0	0.375	25.1	12.3	−14.4	19.0	310.5	0.96	0.993	0.562	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
166	B25R_050_050$_{de}$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.0	0.052	0.5	26.2	11.7	−20.1	23.3	300.1	0.979	0.945	0.451	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
167	B19R_062_062$_{de}$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.0	0.123	0.625	28.5	11.0	−25.2	27.5	293.5	0.981	0.868	0.34	0.0	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
168	B15R_075_075$_{de}$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.0	0.186	0.75	30.6	10.8	−30.1	32.0	289.7	0.984	0.81	0.228	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
169	B13R_087_087$_{de}$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.0	0.245	0.875	32.7	10.7	−35.3	36.9	286.9	0.992	0.746	0.11	0.0	254	0.0	0.281	1.0	33.9	12.2	−40.3	42.2	286.9
170	B11R_100_100$_{de}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0	1.0	0.695	0.0	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
171	R50Y_025_025$_{de}$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.099	0.0	33.3	9.5	15.8	18.5	58.8	0.749	0.802	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
172	R00Y_025_012$_{de}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.156	35.9	9.0	4.3	10.0	25.4	0.746	0.753	0.692	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
173	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.165	0.124	0.25	34.1	5.9	−3.6	6.9	328.6	0.84	0.778	0.626	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
174	B25R_037_025$_{de}$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.124	0.151	0.375	34.2	5.8	−10.0	11.6	300.1	0.868	0.771	0.532	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
175	B15R_050_037$_{de}$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.124	0.218	0.5	36.4	5.4	−15.0	16.0	289.7	0.864	0.718	0.419	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
176	B11R_062_050$_{de}$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.125	0.276	0.625	38.4	5.4	−20.2	20.9	285.0	0.861	0.667	0.314	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
177	B09R_075_062$_{de}$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.125	0.334	0.75	40.4	5.4	−25.2	25.8	282.1	0.86	0.616	0.215	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
178	B07R_087_075$_{de}$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.125	0.392	0.875	42.5	5.4	−30.2	30.7	280.2	0.864	0.57	0.113	0.0	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
179	B06R_100_087$_{de}$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.125	0.446	1.0	44.3	5.7	−35.2	35.7	279.3	0.869	0.525	0.009	0.0	248	0.0	0.367	1.0	37.0	6.6	−40.2	40.8	279.3
180	Y00G_025_025$_{de}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.219	0.0	39.1	−0.9	22.6	22.6	92.3	0.732	0.649	0.98	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
181	Y00G_025_012$_{de}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.234	0.124	40.6	−0.4	11.3	11.3	92.3	0.734	0.621	0.738	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
182	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
183	B00R_037_012$_{de}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.307	0.375	44.1	0.1	−5.0	5.0	271.7	0.736	0.55	0.46	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
184	B00R_050_025$_{de}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.364	0.5	46.1	0.3	−10.1	10.1	271.7	0.731	0.519	0.371	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
185	B00R_062_037$_{de}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.421	0.625	48.1	0.4	−15.2	15.2	271.7	0.727	0.485	0.285	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
186	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.727	0.448	0.191	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
187	B00R_087_062$_{de}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.536	0.875	52.1	0.7	−25.4	25.4	271.7	0.729	0.413	0.097	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
188	B00R_100_075$_{de}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.593	1.0	54.1	0.9	−30.5	30.5	271.7	0.73	0.377	0.004	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
189	Y31G_037_037$_{de}$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.185	0.375	0.0	41.6	−11.2	24.7	27.2	114.4	0.76	0.544	0.977	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
190	Y50G_037_025$_{de}$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.205	0.375	0.124	42.8	−10.2	13.4	16.9	127.2	0.767	0.527	0.76	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
191	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.4	−7.7	2.4	8.1	162.2	0.748	0.488	0.562	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
192	G50B_037_012$_{de}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.343	46.0	−4.5	−3.4	5.6	216.9	0.738	0.494	0.476	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
193	G75B_050_025$_{de}$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.461	0.5	49.4	−4.9	−10.3	11.4	244.3	0.731	0.442	0.353	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
194	G84B_062_037$_{de}$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.5	0.625	50.9	−4.3	−15.4	15.9	254.3	0.729	0.423	0.272	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
195	G88B_075_050$_{de}$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.551	0.75	52.8	−3.9	−20.4	20.8	258.9	0.731	0.392	0.183	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
196	G90B_087_062$_{de}$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.607	0.875	54.7	−3.7	−25.6	25.8	261.6	0.732	0.351	0.092	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
197	G92B_100_075$_{de}$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.664	1.0	56.7	−3.4	−30.7	30.9	263.5	0.736	0.305	0.003	0.0	236	0.0	0.552	1.0	43.7	−4.6	−40.9	41.2	263.5
198	Y50G_050_050$_{de}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.161	0.5	0.0	43.5	−20.4	26.9	33.8	127.2	0.796	0.465	0.995	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
199	Y68G_050_037$_{de}$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.194	0.5	0.124	45.3	−19.1	15.9	24.9	140.0	0.794	0.442	0.781	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
200	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.287	48.7	−15.5	4.9	16.3	162.2	0.754	0.401	0.574	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
201	G25B_050_025$_{de}$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	49.3	−12.1	−2.0	12.3	189.6	0.745	0.406	0.48	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
202	G50B_050_025$_{de}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.436	49.8	−9.0	−6.8	11.3	216.9	0.739	0.413	0.406	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
203	G65B_062_037$_{de}$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.625	0.605	54.2	−10.4	−14.5	17.8	234.3	0.734	0.331	0.275	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
204	G75B_075_050$_{de}$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.673	0.75	56.6	−9.9	−20.6	22.9	244.3	0.733	0.281	0.171	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
205	G80B_087_062$_{de}$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.703	0.875	58.0	−8.9	−25.7	27.2	250.7	0.736	0.256	0.089	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
206	G84B_100_075$_{de}$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.75	1.0	59.7	−8.6	−30.8	31.9	254.3	0.741	0.22	0.005	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
207	Y61G_062_062$_{de}$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.155	0.625	0.0	45.6	−29.6	29.2	41.6	135.4	0.828	0.385	1.0	0.0	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
208	Y76G_062_050$_{de}$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.179	0.625	0.125	48.1	−27.7	18.7	33.5	145.9	0.818	0.347	0.796	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
209	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.306	52.0	−23.2	7.4	24.4	162.2	0.769	0.292	0.584	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
210	G15B_062_037$_{de}$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.401	52.6	−20.0	0.1	20.0	179.5	0.757	0.298	0.494	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
211	G34B_062_037$_{de}$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.472	53.2	−16.5	−5.9	17.6	199.6	0.751	0.304	0.41	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
212	G50B_062_037$_{de}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.53	53.6	−13.5	−10.2	16.9	216.9	0.743	0.314	0.346	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
213	G61B_075_050$_{de}$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.75	0.696	58.0	−15.0	−17.7	23.2	229.7	0.741	0.218	0.22	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
214	G69B_087_062$_{de}$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.875	0.871	62.4	−16.1	−25.7	30.3	237.9	0.742	0.13	0.087	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
215	G75B_100_075$_{de}$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.884	1.0	63.9	−14.8	−31.0	34.4	244.3	0.743	0.105	0.002	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
216	Y68G_075_075$_{de}$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.138	0.75	0.0	48.4	−38.2	31.9	49.8	140.0	0.85	0.268	1.0	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
217	Y81G_075_062$_{de}$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.168	0.75	0.125	50.9	−36.9	21.8	42.8	149.4	0.848	0.222	0.815	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
218	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.782	0.181	0.592	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
219	G11B_075_050$_{de}$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.425	55.9	−27.7	2.4	27.8	175.0	0.773	0.187	0.502	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
220	G25B_075_050$_{de}$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.501	56.5	−24.3	−4.1	24.6	189.6	0.767	0.194	0.424	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
221	G38B_075_050$_{de}$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.566	57.0	−21.0	−9.4	23.0	204.2	0.757	0.201	0.355	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
222	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.748	0.207	0.288	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
223	G59B_087_062$_{de}$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.875	0.787	61.8	−19.6	−21.0	28.8	227.0	0.749	0.116	0.17	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
224	G65B_100_075$_{de}$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	1.0	0.961	66.2	−20.8	−29.0	35.7	234.3	0.754	0.0	0.038	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
225	Y73G_087_087$_{de}$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.119	0.875	0.0	51.2	−46.7	34.4	58.0	143.5	0.872	0.151	1.0	0.0	142	0.136	1.0	0.0	55.0	−53.4	39.4	66.3	143.5
226	Y85G_087_075$_{de}$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.157	0.875	0.125	53.7	−46.0	24.7	52.2	151.7	0.874	0.095	0.83	0.0	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
227	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.344	58.6	−38.8	12.4	40.7	162.2	0.795	0.053	0.596	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
228	G09B_087_062$_{de}$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.445	59.2	−35.6	4.8	35.9	172.2	0.787	0.061	0.507	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
229	G19B_087_062$_{de}$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.524	59.7	−32.4	−1.8	32.4	183.2	0.783	0.07	0.436	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
230	G30B_087_062$_{de}$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.599	60.3	−28.7	−8.2	29.8	195.9	0.774	0.084	0.364	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
231	G40B_087_062$_{de}$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.661	60.8	−25.5	−12.9	28.6	206.9	0.767	0.094	0.3	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
232	G50B_087_062$_{de}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.717	61.3	−22.6	−17.0	28.3	216.9	0.757	0.105	0.242	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
233	G57B_100_075$_{de}$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	1.0	0.879	65.6	−24.2	−24.4	34.4	225.1	0.756	0.0	0.125	0.0	201	0.0	1.0	0.839	55.6	−32.3	−32.5	45.9	225.1
234	Y76G_100_100$_{de}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9	0.891	0.0	1.0	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
235	Y86G_100_087$_{de}$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.15	1.0	0.125	56.7	−54.7	27.9	61.4	152.9	0.889	0.0	0.874	0.0	148	0.029	1.0	0.0	51.1	−62.5	31.9	70.2	152.9
236	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.363	61.9	−46.5	14.9	48.9	162.2	0.809	0.0	0.623	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
237	G07B_100_075$_{de}$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.465	62.5	−43.3	7.3	43.9	170.4	0.796	0.0	0.508	0.0	166	0.0	1.0	0.287	51.4	−57.8	9.7	58.6	170.4
238	G15B_100_075$_{de}$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.552	63.0	−40.1	0.3	40.1	179.5	0.795	0.0	0.438	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
239	G25B_100_075$_{de}$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.626	63.6	−36.4	−6.1	36.9	189.6	0.79	0.0	0.376	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
240	G34B_100_075$_{de}$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.694	64.2	−33.1	−11.8	35.2	199.6	0.784	0.0	0.306	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
241	G42B_100_075$_{de}$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.755	64.7	−30.1	−16.5	34.3	208.7	0.776	0.0	0.251	0.0	191	0.0	1.0	0.674	54.4	−40.1	−22.0	45.8	208.7
242	G50B_100_075$_{de}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.81	65.1	−27.1	−20.4	33.9	216.9	0.766	0.0	0.187	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, Δ*E'**, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131431−F0

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
243	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.095	32.3	27.0	12.9	30.0	25.4	0.671	0.921	0.895	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
244	R18Y_037_037$_{de}$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.31	32.4	29.2	2.2	29.2	4.3	0.68	0.92	0.651	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
245	B65R_037_037$_{de}$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.226	0.0	0.375	29.3	24.1	−5.7	24.7	346.6	0.778	0.953	0.604	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
246	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.12	0.0	0.375	26.9	17.9	−10.9	20.9	328.6	0.887	0.986	0.593	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
247	B38R_050_050$_{de}$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.067	0.0	0.5	26.1	18.2	−18.0	25.7	315.3	0.924	0.993	0.469	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
248	B30R_062_062$_{de}$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.005	0.0	0.625	24.9	18.7	−25.1	31.3	306.8	0.977	1.0	0.354	0.0	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
249	B25R_075_075$_{de}$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.0	0.079	0.75	27.1	17.6	−30.2	35.0	300.1	0.984	0.924	0.243	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
250	B20R_087_087$_{de}$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.0	0.151	0.875	29.5	16.8	−35.3	39.1	295.4	0.991	0.845	0.12	0.0	260	0.0	0.173	1.0	30.2	19.2	−40.4	44.7	295.4
251	B18R_100_100$_{de}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5	1.0	0.787	0.0	0.0	258	0.0	0.21	1.0	31.5	16.8	−40.4	43.7	292.5
252	R31Y_037_037$_{de}$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.092	0.0	35.3	19.6	20.7	28.5	46.6	0.666	0.828	1.0	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
253	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.188	38.6	18.0	8.6	20.0	25.4	0.655	0.765	0.675	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
254	R00Y_037_025$_{de}$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.309	0.124	0.375	37.5	17.6	−2.4	17.7	352.0	0.696	0.771	0.531	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
255	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.205	0.124	0.375	34.9	11.9	−7.2	13.9	328.6	0.783	0.778	0.524	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
256	B34R_050_037$_{de}$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.149	0.124	0.5	34.0	12.3	−14.4	19.0	310.5	0.834	0.793	0.435	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
257	B25R_062_050$_{de}$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.125	0.177	0.625	35.1	11.7	−20.1	23.3	300.1	0.86	0.763	0.332	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
258	B19R_075_062$_{de}$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.125	0.248	0.75	37.4	11.0	−25.2	27.5	293.5	0.862	0.705	0.225	0.0	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
259	B15R_087_075$_{de}$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.125	0.311	0.875	39.6	10.8	−30.1	32.0	289.7	0.861	0.65	0.119	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
260	B13R_100_087$_{de}$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.125	0.37	1.0	41.6	10.7	−35.3	36.9	286.9	0.868	0.594	0.006	0.0	254	0.0	0.281	1.0	33.9	12.2	−40.3	42.2	286.9
261	R68Y_037_037$_{de}$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.203	0.0	40.5	9.2	26.9	28.4	71.1	0.656	0.694	0.99	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
262	R50Y_037_025$_{de}$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.224	0.124	42.2	9.5	15.8	18.5	58.8	0.65	0.664	0.749	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
263	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.281	44.8	9.0	4.3	10.0	25.4	0.651	0.62	0.55	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
264	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.29	0.249	0.375	43.0	5.9	−3.6	6.9	328.6	0.709	0.61	0.475	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
265	B25R_050_025$_{de}$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.249	0.276	0.5	43.1	5.8	−10.0	11.6	300.1	0.727	0.592	0.383	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
266	B15R_062_037$_{de}$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.25	0.343	0.625	45.3	5.4	−15.0	16.0	289.7	0.726	0.552	0.293	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
267	B11R_075_050$_{de}$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.25	0.401	0.75	47.3	5.4	−20.2	20.9	285.0	0.724	0.509	0.199	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
268	B09R_087_062$_{de}$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.25	0.459	0.875	49.4	5.4	−25.2	25.8	282.1	0.727	0.469	0.102	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
269	B07R_100_075$_{de}$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.25	0.517	1.0	51.4	5.4	−30.2	30.7	280.2	0.728	0.435	0.007	0.0	249	0.0	0.356	1.0	36.6	7.3	−40.3	40.9	280.2
270	Y00G_037_037$_{de}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.329	0.0	46.5	−1.3	33.9	33.9	92.3	0.646	0.537	0.977	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
271	Y00G_037_025$_{de}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.344	0.124	48.0	−0.9	22.6	22.6	92.3	0.64	0.52	0.778	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
272	Y00G_037_012$_{de}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.359	0.249	49.5	−0.4	11.3	11.3	92.3	0.644	0.497	0.607	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
273	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
274	B00R_050_012$_{de}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.432	0.5	53.0	0.1	−5.0	5.0	271.7	0.648	0.445	0.366	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
275	B00R_062_025$_{de}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.489	0.625	55.0	0.3	−10.1	10.1	271.7	0.645	0.421	0.282	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
276	B00R_075_037$_{de}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.546	0.75	57.0	0.4	−15.2	15.2	271.7	0.645	0.394	0.192	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
277	B00R_087_050$_{de}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.604	0.875	59.0	0.6	−20.3	20.3	271.7	0.645	0.361	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
278	B00R_100_062$_{de}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.661	1.0	61.0	0.7	−25.4	25.4	271.7	0.646	0.317	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
279	Y23G_050_050$_{de}$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.302	0.5	0.0	49.4	−12.5	37.1	39.2	108.6	0.671	0.432	0.989	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
280	Y31G_050_037$_{de}$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.31	0.5	0.124	50.5	−11.2	24.7	27.2	114.4	0.668	0.426	0.791	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
281	Y50G_050_025$_{de}$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.33	0.5	0.249	51.7	−10.2	13.4	16.9	127.2	0.675	0.412	0.625	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
282	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.3	−7.7	2.4	8.1	162.2	0.66	0.388	0.469	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
283	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.468	54.9	−4.5	−3.4	5.6	216.9	0.652	0.395	0.382	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
284	G75B_062_025$_{de}$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.586	0.625	58.3	−4.9	−10.3	11.4	244.3	0.647	0.342	0.268	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
285	G84B_075_037$_{de}$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.625	0.75	59.8	−4.3	−15.4	15.9	254.3	0.649	0.317	0.183	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
286	G88B_087_050$_{de}$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.676	0.875	61.7	−3.9	−20.4	20.8	258.9	0.65	0.284	0.096	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
287	G90B_100_062$_{de}$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.732	1.0	63.6	−3.7	−25.6	25.8	261.6	0.652	0.247	0.006	0.0	235	0.0	0.572	1.0	44.5	−5.9	−40.9	41.4	261.6
288	Y38G_062_062$_{de}$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.258	0.625	0.0	51.1	−21.2	38.0	43.5	119.1	0.694	0.352	0.984	0.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
289	Y50G_062_050$_{de}$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.286	0.625	0.125	52.4	−20.4	26.9	33.8	127.2	0.695	0.334	0.807	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
290	Y68G_062_037$_{de}$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.319	0.625	0.25	54.2	−19.1	15.9	24.9	140.0	0.697	0.308	0.646	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
291	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.412	57.6	−15.5	4.9	16.3	162.2	0.67	0.275	0.482	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
292	G25B_062_025$_{de}$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	58.2	−12.1	−2.0	12.3	189.6	0.665	0.286	0.396	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
293	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.561	58.7	−9.0	−6.8	11.3	216.9	0.656	0.3	0.324	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
294	G65B_075_037$_{de}$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.75	0.73	63.1	−10.4	−14.5	17.8	234.3	0.654	0.215	0.192	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
295	G75B_087_050$_{de}$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.798	0.875	65.5	−9.9	−20.6	22.9	244.3	0.654	0.178	0.088	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
296	G80B_100_062$_{de}$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.828	1.0	66.9	−8.9	−25.7	27.2	250.7	0.656	0.155	0.006	0.0	225	0.0	0.726	1.0	49.7	−14.3	−41.1	43.5	250.7
297	Y50G_075_075$_{de}$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.241	0.75	0.0	53.0	−30.7	40.3	50.7	127.2	0.719	0.241	0.996	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
298	Y61G_075_062$_{de}$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.28	0.75	0.125	54.5	−29.6	29.2	41.6	135.4	0.724	0.223	0.82	0.0	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
299	Y76G_075_050$_{de}$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.304	0.75	0.25	57.0	−27.7	18.7	33.5	145.9	0.717	0.194	0.662	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
300	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.431	60.9	−23.2	7.4	24.4	162.2	0.68	0.167	0.494	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
301	G15B_075_037$_{de}$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.526	61.5	−20.0	0.1	20.0	179.5	0.677	0.175	0.412	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
302	G34B_075_037$_{de}$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.597	62.1	−16.5	−5.9	17.6	199.6	0.67	0.187	0.333	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
303	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.655	62.5	−13.5	−10.2	16.9	216.9	0.662	0.198	0.267	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
304	G61B_087_050$_{de}$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.875	0.821	66.9	−15.0	−17.7	23.2	229.7	0.662	0.114	0.139	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
305	G69B_100_062$_{de}$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	1.0	0.996	71.3	−16.1	−25.7	30.3	237.9	0.664	0.001	0.004	0.0	209	0.0	1.0	0.994	56.7	−25.7	−41.2	48.6	237.9
306	Y58G_087_087$_{de}$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.236	0.875	0.0	55.1	−39.9	42.7	58.5	133.0	0.743	0.138	0.996	0.0	134	0.269	1.0	0.0	59.5	−45.7	48.8	66.9	133.0
307	Y68G_087_075$_{de}$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.263	0.875	0.125	57.3	−38.2	31.9	49.8	140.0	0.74	0.113	0.826	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
308	Y81G_087_062$_{de}$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.293	0.875	0.25	59.8	−36.9	21.8	42.8	149.4	0.739	0.069	0.678	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
309	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.45	64.2	−31.0	9.9	32.6	162.2	0.691	0.041	0.5	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
310	G11B_087_050$_{de}$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.55	64.8	−27.7	2.4	27.8	175.0	0.688	0.051	0.419	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
311	G25B_087_050$_{de}$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.626	65.4	−24.3	−4.1	24.6	189.6	0.683	0.067	0.344	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
312	G38B_087_050$_{de}$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.691	65.9	−21.0	−9.4	23.0	204.2	0.676	0.082	0.277	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
313	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.748	66.4	−18.1	−13.6	22.6	216.9	0.67	0.098	0.212	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
314	G59B_100_062$_{de}$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	1.0	0.912	70.7	−19.6	−21.0	28.8	227.0	0.671	0.0	0.092	0.0	202	0.0	1.0	0.86	55.7	−31.4	−33.7	46.0	227.0
315	Y63G_100_100$_{de}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5	0.766	0.0	1.0	0.0	137	0.232	1.0	0.0	57.8	−48.3	45.7	66.5	136.5
316	Y73G_100_087$_{de}$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.244	1.0	0.125	60.1	−46.7	34.4	58.0	143.5	0.765	0.0	0.83	0.0	142	0.136	1.0	0.0	55.0	−53.4	39.4	66.3	143.5
317	Y85G_100_075$_{de}$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.282	1.0	0.25	62.6	−46.0	24.7	52.2	151.7	0.769	0.0	0.749	0.0	147	0.042	1.0	0.0	51.6	−61.3	33.0	69.7	151.7
318	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.469	67.5	−38.8	12.4	40.7	162.2	0.701	0.0	0.507	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
319	G09B_100_062$_{de}$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.57	68.1	−35.6	4.8	35.9	172.2	0.699	0.0	0.424	0.0	167	0.0	1.0	0.312	51.6	−56.9	7.7	57.4	172.2
320	G19B_100_062$_{de}$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.649	68.6	−32.4	−1.8	32.4	183.2	0.695	0.0	0.376	0.0	175	0.0	1.0	0.439	52.5	−51.8	−2.9	51.9	183.2
321	G30B_100_062$_{de}$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.724	69.2	−28.7	−8.2	29.8	195.9	0.691	0.0	0.283	0.0	183	0.0	1.0	0.559	53.4	−45.9	−13.1	47.8	195.9
322	G40B_100_062$_{de}$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.786	69.8	−25.5	−12.9	28.6	206.9	0.684	0.0	0.222	0.0	190	0.0	1.0	0.658	54.3	−40.9	−20.7	45.9	206.9
323	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.842	70.2	−22.6	−17.0	28.3	216.9	0.677	0.0	0.16	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131531−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
324	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
325	R26Y_050_050$_{de}$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.328	35.1	38.0	6.6	38.6	9.8	0.572	0.928	0.643	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
326	R00Y_050_050$_{de}$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.368	0.0	0.5	32.8	35.2	−4.9	35.5	352.0	0.659	0.942	0.499	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
327	B61R_050_050$_{de}$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.261	0.0	0.5	30.2	29.9	−9.8	31.5	341.8	0.73	0.959	0.486	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
328	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6	0.84	0.99	0.486	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
329	B40R_062_062$_{de}$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.114	0.0	0.625	26.8	24.2	−21.7	32.5	318.1	0.888	1.0	0.376	0.0	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
330	B34R_075_075$_{de}$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.048	0.0	0.75	25.9	24.7	−28.8	38.0	310.5	0.94	1.0	0.253	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
331	B29R_087_087$_{de}$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.0	0.02	0.875	25.5	24.7	−35.4	43.1	304.9	0.991	0.981	0.131	0.0	268	0.0	0.022	1.0	25.7	28.2	−40.4	49.3	304.9
332	B25R_100_100$_{de}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1	1.0	0.893	0.0	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
333	R23Y_050_050$_{de}$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.083	0.0	37.4	29.6	25.8	39.3	41.0	0.564	0.849	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
334	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.22	41.2	27.0	12.9	30.0	25.4	0.545	0.784	0.677	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
335	R18Y_050_037$_{de}$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.435	41.3	29.2	2.2	29.2	4.3	0.558	0.789	0.507	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
336	B65R_050_037$_{de}$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.351	0.124	0.5	38.2	24.1	−5.7	24.7	346.6	0.659	0.793	0.448	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
337	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.245	0.124	0.5	35.8	17.9	−10.9	20.9	328.6	0.736	0.786	0.43	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
338	B38R_062_050$_{de}$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.192	0.125	0.625	35.0	18.2	−18.0	25.7	315.3	0.78	0.792	0.331	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
339	B30R_075_062$_{de}$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.13	0.125	0.75	33.8	18.7	−25.1	31.3	306.8	0.847	0.814	0.241	0.0	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
340	B25R_087_075$_{de}$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.125	0.204	0.875	36.0	17.6	−30.2	35.0	300.1	0.86	0.756	0.124	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
341	B20R_100_087$_{de}$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.125	0.276	1.0	38.4	16.8	−35.3	39.1	295.4	0.863	0.691	0.001	0.0	260	0.0	0.173	1.0	30.2	19.2	−40.4	44.7	295.4
342	R50Y_050_050$_{de}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.199	0.0	42.3	19.1	31.7	37.0	58.8	0.557	0.734	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
343	R31Y_050_037$_{de}$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.217	0.124	44.2	19.6	20.7	28.5	46.6	0.54	0.705	0.771	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
344	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.313	47.5	18.0	8.6	20.0	25.4	0.534	0.65	0.549	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
345	R00Y_050_025$_{de}$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.434	0.249	0.5	46.4	17.6	−2.4	17.7	352.0	0.591	0.65	0.41	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
346	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.33	0.249	0.5	43.8	11.9	−7.2	13.9	328.6	0.675	0.632	0.39	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
347	B34R_062_037$_{de}$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.274	0.25	0.625	42.9	12.3	−14.4	19.0	310.5	0.706	0.632	0.298	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
348	B25R_075_050$_{de}$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.25	0.302	0.75	44.0	11.7	−20.1	23.3	300.1	0.72	0.598	0.205	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
349	B19R_087_062$_{de}$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.25	0.373	0.875	46.4	11.0	−25.2	27.5	293.5	0.723	0.541	0.105	0.0	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
350	B15R_100_075$_{de}$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.25	0.436	1.0	48.5	10.8	−30.1	32.0	289.7	0.724	0.5	0.005	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
351	R76Y_050_050$_{de}$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.302	0.0	47.6	8.9	37.9	38.9	76.7	0.544	0.599	0.996	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
352	R68Y_050_037$_{de}$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.328	0.124	49.4	9.2	26.9	28.4	71.1	0.533	0.575	0.797	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
353	R50Y_050_025$_{de}$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.349	0.249	51.1	9.5	15.8	18.5	58.8	0.531	0.553	0.62	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
354	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.406	53.7	9.0	4.3	10.0	25.4	0.534	0.509	0.45	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
355	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.415	0.375	0.5	51.9	5.9	−3.6	6.9	328.6	0.618	0.497	0.38	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
356	B25R_062_025$_{de}$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.375	0.401	0.625	52.0	5.8	−10.0	11.6	300.1	0.64	0.487	0.291	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
357	B15R_075_037$_{de}$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.375	0.468	0.75	54.2	5.4	−15.0	16.0	289.7	0.64	0.453	0.199	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
358	B11R_087_050$_{de}$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.375	0.526	0.875	56.2	5.4	−20.2	20.9	285.0	0.641	0.421	0.103	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
359	B09R_100_062$_{de}$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.375	0.584	1.0	58.3	5.4	−25.2	25.8	282.1	0.639	0.387	0.008	0.0	250	0.0	0.335	1.0	35.9	8.7	−40.4	41.3	282.1
360	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.531	0.448	0.991	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
361	Y00G_050_037$_{de}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.454	0.124	55.5	−1.3	33.9	33.9	92.3	0.52	0.436	0.814	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
362	Y00G_050_025$_{de}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.469	0.249	57.0	−0.9	22.6	22.6	92.3	0.519	0.421	0.655	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
363	Y00G_050_012$_{de}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.484	0.375	58.5	−0.4	11.3	11.3	92.3	0.524	0.403	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
364	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
365	B00R_062_012$_{de}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.557	0.625	61.9	0.1	−5.0	5.0	271.7	0.536	0.353	0.274	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
366	B00R_075_025$_{de}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.614	0.75	63.9	0.3	−10.1	10.1	271.7	0.531	0.319	0.187	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
367	B00R_087_037$_{de}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.671	0.875	65.9	0.4	−15.2	15.2	271.7	0.529	0.287	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
368	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.53	0.252	0.01	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
369	Y18G_062_062$_{de}$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.424	0.625	0.0	57.6	−13.3	49.4	51.2	105.1	0.567	0.322	0.996	0.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
370	Y23G_062_050$_{de}$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.427	0.625	0.125	58.3	−12.5	37.1	39.2	108.6	0.565	0.322	0.832	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
371	Y31G_062_037$_{de}$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.435	0.625	0.25	59.4	−11.2	24.7	27.2	114.4	0.565	0.312	0.675	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
372	Y50G_062_025$_{de}$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.455	0.625	0.375	60.6	−10.2	13.4	16.9	127.2	0.576	0.296	0.531	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
373	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.2	−7.7	2.4	8.1	162.2	0.557	0.269	0.384	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
374	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.593	63.8	−4.5	−3.4	5.6	216.9	0.546	0.284	0.296	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
375	G75B_075_025$_{de}$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.711	0.75	67.2	−4.9	−10.3	11.4	244.3	0.538	0.23	0.179	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
376	G84B_087_037$_{de}$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.75	0.875	68.8	−4.3	−15.4	15.9	254.3	0.538	0.211	0.094	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
377	G88B_100_050$_{de}$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.801	1.0	70.6	−3.9	−20.4	20.8	258.9	0.539	0.18	0.009	0.0	233	0.0	0.602	1.0	45.6	−7.9	−40.9	41.7	258.9
378	Y31G_075_062$_{de}$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.37	0.75	0.0	58.8	−22.5	49.5	54.4	114.4	0.619	0.226	0.996	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
379	Y38G_075_062$_{de}$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.383	0.75	0.125	60.0	−21.2	38.0	43.5	119.1	0.606	0.22	0.838	0.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
380	Y50G_075_050$_{de}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.411	0.75	0.25	61.3	−20.4	26.9	33.8	127.2	0.61	0.205	0.699	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
381	Y68G_075_037$_{de}$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.444	0.75	0.375	63.1	−19.1	15.9	24.9	140.0	0.613	0.186	0.557	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
382	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.537	66.5	−15.5	4.9	16.3	162.2	0.575	0.165	0.403	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
383	G25B_075_025$_{de}$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	67.1	−12.1	−2.0	12.3	189.6	0.567	0.177	0.312	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
384	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.686	67.6	−9.0	−6.8	11.3	216.9	0.552	0.191	0.241	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
385	G65B_087_037$_{de}$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.875	0.855	72.0	−10.4	−14.5	17.8	234.3	0.549	0.117	0.108	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
386	G75B_100_050$_{de}$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.923	1.0	74.4	−9.9	−20.6	22.9	244.3	0.549	0.068	0.004	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
387	Y41G_087_087$_{de}$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.327	0.875	0.0	60.5	−31.1	51.0	59.7	121.4	0.646	0.135	0.995	0.0	128	0.374	1.0	0.0	65.7	−35.6	58.2	68.3	121.4
388	Y50G_087_075$_{de}$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.366	0.875	0.125	61.9	−30.7	40.3	50.7	127.2	0.643	0.117	0.852	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
389	Y61G_087_062$_{de}$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.405	0.875	0.25	63.4	−29.6	29.2	41.6	135.4	0.646	0.095	0.718	0.0	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
390	Y76G_087_050$_{de}$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.429	0.875	0.375	65.9	−27.7	18.7	33.5	145.9	0.637	0.064	0.576	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
391	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.556	69.8	−23.2	7.4	24.4	162.2	0.595	0.041	0.413	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
392	G15B_087_037$_{de}$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.651	70.4	−20.0	0.1	20.0	179.5	0.589	0.055	0.329	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
393	G34B_087_037$_{de}$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.722	71.0	−16.5	−5.9	17.6	199.6	0.576	0.076	0.254	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
394	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.78	71.4	−13.5	−10.2	16.9	216.9	0.564	0.095	0.183	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
395	G61B_100_050$_{de}$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	1.0	0.946	75.8	−15.0	−17.7	23.2	229.7	0.566	0.0	0.055	0.0	204	0.0	1.0	0.892	56.0	−30.0	−35.5	46.5	229.7
396	Y50G_100_100$_{de}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2	0.678	0.0	1.0	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
397	Y58G_100_087$_{de}$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.361	1.0	0.125	64.0	−39.9	42.7	58.5	133.0	0.67	0.0	0.859	0.0	134	0.269	1.0	0.0	59.5	−45.7	48.8	66.9	133.0
398	Y68G_100_075$_{de}$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.388	1.0	0.25	66.2	−38.2	31.9	49.8	140.0	0.667	0.0	0.749	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
399	Y81G_100_062$_{de}$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.418	1.0	0.375	68.7	−36.9	21.8	42.8	149.4	0.664	0.0	0.623	0.0	146	0.069	1.0	0.0	52.6	−59.0	34.9	68.6	149.4
400	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2	0.613	0.0	0.418	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
401	G11B_100_050$_{de}$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.675	73.7	−27.7	2.4	27.8	175.0	0.625	0.0	0.375	0.0	170	0.0	1.0	0.35	51.8	−55.5	4.8	55.7	175.0
402	G25B_100_050$_{de}$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.751	74.3	−24.3	−4.1	24.6	189.6	0.6	0.0	0.266	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
403	G38B_100_050$_{de}$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.816	74.8	−21.0	−9.4	23.0	204.2	0.59	0.0	0.193	0.0	188	0.0	1.0	0.633	54.1	−42.0	−18.8	46.0	204.2
404	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9	0.578	0.0	0.13	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131631−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
405	R00Y_062_062$_{de}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.159	37.6	45.1	21.5	50.0	25.4	0.446	0.94	0.851	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
406	R31Y_062_062$_{de}$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.356	37.8	46.9	11.0	48.2	13.2	0.447	0.937	0.634	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
407	R11Y_062_062$_{de}$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.624	37.9	49.5	−0.1	49.5	359.8	0.456	0.941	0.426	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
408	B69R_062_062$_{de}$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.432	0.0	0.625	34.2	42.8	−7.2	43.4	350.4	0.601	0.958	0.4	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
409	B59R_062_062$_{de}$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.296	0.0	0.625	31.0	35.7	−13.7	38.3	339.0	0.697	0.97	0.377	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
410	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.201	0.0	0.625	28.5	29.8	−18.2	34.9	328.6	0.781	0.984	0.373	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
411	B42R_075_075$_{de}$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.161	0.0	0.75	27.5	30.2	−25.3	39.4	320.0	0.848	1.0	0.269	0.0	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
412	B36R_087_087$_{de}$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.092	0.0	0.875	27.0	30.7	−32.4	44.7	313.4	0.901	0.994	0.135	0.0	275	0.106	0.0	1.0	27.4	35.1	−37.0	51.0	313.4
413	B31R_100_100$_{de}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7	0.977	0.999	0.0	0.0	271	0.022	0.0	1.0	25.5	30.7	−39.7	50.3	307.7
414	R18Y_062_062$_{de}$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.072	0.0	39.5	39.6	30.6	50.1	37.7	0.442	0.865	1.0	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
415	R00Y_062_050$_{de}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.252	43.9	36.1	17.2	40.0	25.4	0.418	0.79	0.65	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
416	R26Y_062_050$_{de}$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.453	44.0	38.0	6.6	38.6	9.8	0.426	0.795	0.492	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
417	R00Y_062_050$_{de}$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.493	0.125	0.625	41.8	35.2	−4.9	35.5	352.0	0.526	0.811	0.364	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
418	B61R_062_050$_{de}$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.386	0.125	0.625	39.1	29.9	−9.8	31.5	341.8	0.623	0.81	0.345	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
419	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.285	0.125	0.625	36.6	23.8	−14.5	27.9	328.6	0.703	0.802	0.334	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
420	B40R_075_062$_{de}$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.239	0.125	0.75	35.7	24.2	−21.7	32.5	318.1	0.737	0.804	0.227	0.0	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
421	B34R_087_075$_{de}$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.173	0.125	0.875	34.9	24.7	−28.8	38.0	310.5	0.792	0.811	0.116	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
422	B29R_100_087$_{de}$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.125	0.145	1.0	34.4	24.7	−35.4	43.1	304.9	0.855	0.81	0.0	0.0	268	0.0	0.022	1.0	25.7	28.2	−40.4	49.3	304.9
423	R38Y_062_062$_{de}$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.188	0.0	44.1	29.5	36.5	46.9	51.0	0.437	0.749	1.0	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
424	R23Y_062_050$_{de}$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.208	0.125	46.3	29.6	25.8	39.3	41.0	0.413	0.726	0.763	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
425	R00Y_062_037$_{de}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.345	50.1	27.0	12.9	30.0	25.4	0.401	0.657	0.522	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
426	R18Y_062_037$_{de}$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.56	50.2	29.2	2.2	29.2	4.3	0.415	0.668	0.372	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
427	B65R_062_037$_{de}$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.476	0.25	0.625	47.1	24.1	−5.7	24.7	346.6	0.537	0.684	0.329	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
428	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.37	0.25	0.625	44.7	17.9	−10.9	20.9	328.6	0.642	0.662	0.305	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
429	B38R_075_050$_{de}$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.317	0.25	0.75	43.9	18.2	−18.0	25.7	315.3	0.672	0.658	0.205	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
430	B30R_087_062$_{de}$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.255	0.25	0.875	42.7	18.7	−25.1	31.3	306.8	0.711	0.655	0.106	0.0	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
431	B25R_100_075$_{de}$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.25	0.329	1.0	44.9	17.6	−30.2	35.0	300.1	0.717	0.593	0.0	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
432	R61Y_062_062$_{de}$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.308	0.0	49.5	18.4	42.7	46.5	66.6	0.426	0.629	0.996	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
433	R50Y_062_050$_{de}$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.324	0.125	51.2	19.1	31.7	37.0	58.8	0.411	0.602	0.79	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
434	R31Y_062_037$_{de}$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.342	0.25	53.1	19.6	20.7	28.5	46.6	0.399	0.579	0.607	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
435	R00Y_062_025$_{de}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.438	56.4	18.0	8.6	20.0	25.4	0.398	0.522	0.423	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
436	R00Y_062_025$_{de}$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.559	0.375	0.625	55.3	17.6	−2.4	17.7	352.0	0.458	0.538	0.303	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
437	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.455	0.375	0.625	52.7	11.9	−7.2	13.9	328.6	0.568	0.528	0.295	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
438	B34R_075_037$_{de}$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.399	0.375	0.75	51.9	12.3	−14.4	19.0	310.5	0.614	0.527	0.199	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
439	B25R_087_050$_{de}$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.375	0.427	0.875	52.9	11.7	−20.1	23.3	300.1	0.632	0.491	0.104	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
440	B19R_100_062$_{de}$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.375	0.498	1.0	55.3	11.0	−25.2	27.5	293.5	0.633	0.453	0.006	0.0	259	0.0	0.198	1.0	31.1	17.6	−40.4	44.1	293.5
441	R81Y_062_062$_{de}$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.405	0.0	54.8	8.5	49.0	49.8	80.0	0.415	0.494	0.985	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
442	R76Y_062_050$_{de}$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.427	0.125	56.5	8.9	37.9	38.9	76.7	0.404	0.48	0.806	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
443	R68Y_062_037$_{de}$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.453	0.25	58.3	9.2	26.9	28.4	71.1	0.398	0.459	0.644	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
444	R50Y_062_025$_{de}$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.474	0.375	60.0	9.5	15.8	18.5	58.8	0.395	0.44	0.495	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
445	R00Y_062_012$_{de}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.531	62.6	9.0	4.3	10.0	25.4	0.402	0.407	0.335	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
446	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.54	0.5	0.625	60.8	5.9	−3.6	6.9	328.6	0.49	0.41	0.278	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
447	B25R_075_025$_{de}$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.5	0.526	0.75	60.9	5.8	−10.0	11.6	300.1	0.52	0.401	0.194	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
448	B15R_087_037$_{de}$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.5	0.593	0.875	63.1	5.4	−15.0	16.0	289.7	0.516	0.362	0.102	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
449	B11R_100_050$_{de}$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.5	0.651	1.0	65.1	5.4	−20.2	20.9	285.0	0.519	0.323	0.009	0.0	252	0.0	0.302	1.0	34.7	10.8	−40.4	41.8	285.0
450	Y00G_062_062$_{de}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.549	0.0	61.4	−2.2	56.5	56.5	92.3	0.401	0.354	0.978	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
451	Y00G_062_050$_{de}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.564	0.125	62.9	−1.8	45.2	45.2	92.3	0.392	0.339	0.815	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
452	Y00G_062_037$_{de}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.579	0.25	64.4	−1.3	33.9	33.9	92.3	0.387	0.322	0.668	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
453	Y00G_062_025$_{de}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.594	0.375	65.9	−0.9	22.6	22.6	92.3	0.388	0.306	0.532	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
454	Y00G_062_012$_{de}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.609	0.5	67.4	−0.4	11.3	11.3	92.3	0.399	0.286	0.399	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
455	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
456	B00R_075_012$_{de}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.682	0.75	70.8	0.1	−5.0	5.0	271.7	0.412	0.236	0.176	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
457	B00R_087_025$_{de}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.739	0.875	72.8	0.3	−10.1	10.1	271.7	0.408	0.21	0.093	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
458	B00R_100_037$_{de}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.796	1.0	74.8	0.4	−15.2	15.2	271.7	0.406	0.182	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
459	Y15G_075_075$_{de}$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.546	0.75	0.0	66.0	−14.0	61.7	63.3	102.7	0.443	0.206	0.989	0.0	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
460	Y18G_075_062$_{de}$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.549	0.75	0.125	66.5	−13.3	49.4	51.2	105.1	0.441	0.207	0.844	0.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
461	Y23G_075_050$_{de}$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.552	0.75	0.25	67.2	−12.5	37.1	39.2	108.6	0.439	0.202	0.704	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
462	Y31G_075_037$_{de}$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.56	0.75	0.375	68.3	−11.2	24.7	27.2	114.4	0.443	0.198	0.566	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
463	Y50G_075_025$_{de}$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.58	0.75	0.5	69.5	−10.2	13.4	16.9	127.2	0.454	0.187	0.439	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
464	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.1	−7.7	2.4	8.1	162.2	0.438	0.167	0.29	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
465	G50B_075_012$_{de}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.718	72.7	−4.5	−3.4	5.6	216.9	0.424	0.181	0.203	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
466	G75B_087_025$_{de}$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.836	0.875	76.1	−4.9	−10.3	11.4	244.3	0.415	0.134	0.089	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
467	G84B_100_037$_{de}$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.875	1.0	77.7	−4.3	−15.4	15.9	254.3	0.415	0.115	0.008	0.0	229	0.0	0.666	1.0	47.8	−11.4	−41.0	42.6	254.3
468	Y26G_087_087$_{de}$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.49	0.875	0.0	66.8	−23.7	62.1	66.5	110.9	0.514	0.123	1.0	0.0	116	0.56	1.0	0.0	72.8	−27.1	71.0	76.0	110.9
469	Y31G_087_075$_{de}$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.495	0.875	0.125	67.7	−22.5	49.5	54.4	114.4	0.495	0.121	0.855	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
470	Y38G_087_062$_{de}$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.508	0.875	0.25	68.9	−21.2	38.0	43.5	119.1	0.482	0.113	0.72	0.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
471	Y50G_087_050$_{de}$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.536	0.875	0.375	70.2	−20.4	26.9	33.8	127.2	0.488	0.097	0.596	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
472	Y68G_087_037$_{de}$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.569	0.875	0.5	72.0	−19.1	15.9	24.9	140.0	0.493	0.076	0.469	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
473	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.662	75.4	−15.5	4.9	16.3	162.2	0.458	0.054	0.312	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
474	G25B_087_025$_{de}$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	76.0	−12.1	−2.0	12.3	189.6	0.448	0.073	0.22	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
475	G50B_087_025$_{de}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.811	76.5	−9.0	−6.8	11.3	216.9	0.433	0.093	0.148	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
476	G65B_100_037$_{de}$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	1.0	0.98	80.9	−10.4	−14.5	17.8	234.3	0.43	0.001	0.018	0.0	207	0.0	1.0	0.948	56.4	−27.8	−38.7	47.7	234.3
477	Y36G_100_100$_{de}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9	0.565	0.0	1.0	0.0	124	0.434	1.0	0.0	68.0	−33.0	62.2	70.4	117.9
478	Y41G_100_087$_{de}$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.452	1.0	0.125	69.4	−31.1	51.0	59.7	121.4	0.536	0.0	0.861	0.0	128	0.374	1.0	0.0	65.7	−35.6	58.2	68.3	121.4
479	Y50G_100_075$_{de}$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.491	1.0	0.25	70.8	−30.7	40.3	50.7	127.2	0.533	0.0	0.749	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
480	Y61G_100_062$_{de}$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.53	1.0	0.375	72.3	−29.6	29.2	41.6	135.4	0.536	0.0	0.623	0.0	136	0.248	1.0	0.0	58.3	−47.4	46.7	66.6	135.4
481	Y76G_100_050$_{de}$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.554	1.0	0.5	74.8	−27.7	18.7	33.5	145.9	0.527	0.0	0.498	0.0	144	0.108	1.0	0.0	54.1	−55.5	37.5	67.0	145.9
482	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.681	78.7	−23.2	7.4	24.4	162.2	0.5	0.0	0.375	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
483	G15B_100_037$_{de}$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.776	79.3	−20.0	0.1	20.0	179.5	0.47	0.0	0.25	0.0	173	0.0	1.0	0.403	52.2	−53.4	0.4	53.4	179.5
484	G34B_100_037$_{de}$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.847	79.9	−16.5	−5.9	17.6	199.6	0.459	0.0	0.157	0.0	186	0.0	1.0	0.592	53.7	−44.2	−15.7	46.9	199.6
485	G50B_100_037$_{de}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.905	80.3	−13.5	−10.2	16.9	216.9	0.445	0.0	0.091	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131731−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
486	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4	0.317	0.955	0.803	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
487	R35Y_075_075$_{de}$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.384	40.5	55.7	15.4	57.8	15.4	0.318	0.953	0.6	0.0	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
488	R18Y_075_075$_{de}$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.62	40.5	58.4	4.4	58.5	4.3	0.321	0.957	0.405	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
489	R00Y_075_075$_{de}$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.552	0.0	0.75	37.1	52.8	−7.3	53.3	352.0	0.475	0.97	0.29	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
490	B65R_075_075$_{de}$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.452	0.0	0.75	34.3	48.2	−11.4	49.5	346.6	0.572	0.984	0.294	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
491	B57R_075_075$_{de}$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.33	0.0	0.75	31.7	41.6	−17.5	45.1	337.1	0.667	0.982	0.267	0.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
492	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.241	0.0	0.75	29.4	35.8	−21.8	41.9	328.6	0.738	0.985	0.261	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
493	B43R_087_087$_{de}$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.201	0.0	0.875	28.1	35.9	−29.0	46.2	321.0	0.803	0.999	0.145	0.0	282	0.23	0.0	1.0	28.7	41.0	−33.2	52.8	321.0
494	B38R_100_100$_{de}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3	0.864	1.0	0.0	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
495	R15Y_075_075$_{de}$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.051	0.0	41.6	49.9	35.6	61.3	35.5	0.313	0.899	0.999	0.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
496	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.284	46.5	45.1	21.5	50.0	25.4	0.288	0.815	0.63	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
497	R31Y_075_062$_{de}$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.481	46.7	46.9	11.0	48.2	13.2	0.292	0.818	0.48	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
498	R11Y_075_062$_{de}$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.749	46.8	49.5	−0.1	49.5	359.8	0.303	0.826	0.283	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
499	B69R_075_062$_{de}$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.557	0.125	0.75	43.1	42.8	−7.2	43.4	350.4	0.455	0.831	0.264	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
500	B59R_075_062$_{de}$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.421	0.125	0.75	39.9	35.7	−13.7	38.3	339.0	0.581	0.829	0.243	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
501	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.326	0.125	0.75	37.5	29.8	−18.2	34.9	328.6	0.668	0.82	0.232	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
502	B42R_087_075$_{de}$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.286	0.125	0.875	36.4	30.2	−25.3	39.4	320.0	0.706	0.823	0.12	0.0	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
503	B36R_100_087$_{de}$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.217	0.125	1.0	35.9	30.7	−32.4	44.7	313.4	0.739	0.812	0.0	0.0	275	0.106	0.0	1.0	27.4	35.1	−37.0	51.0	313.4
504	R31Y_075_075$_{de}$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.184	0.0	46.2	39.2	41.5	57.1	46.6	0.311	0.772	0.995	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
505	R18Y_075_062$_{de}$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.197	0.125	48.4	39.6	30.6	50.1	37.7	0.284	0.765	0.762	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
506	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
507	R26Y_075_050$_{de}$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.578	53.0	38.0	6.6	38.6	9.8	0.279	0.706	0.375	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
508	R00Y_075_050$_{de}$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.618	0.25	0.75	50.7	35.2	−4.9	35.5	352.0	0.385	0.696	0.229	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
509	B61R_075_050$_{de}$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.511	0.25	0.75	48.0	29.9	−9.8	31.5	341.8	0.487	0.707	0.228	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
510	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.6	0.69	0.212	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
511	B40R_087_062$_{de}$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.364	0.25	0.875	44.6	24.2	−21.7	32.5	318.1	0.641	0.689	0.104	0.0	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
512	B34R_100_075$_{de}$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.298	0.25	1.0	43.8	24.7	−28.8	38.0	310.5	0.676	0.677	0.0	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
513	R50Y_075_075$_{de}$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.298	0.0	51.2	28.7	47.5	55.5	58.8	0.304	0.659	0.99	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
514	R38Y_075_062$_{de}$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.313	0.125	53.0	29.5	36.5	46.9	51.0	0.285	0.645	0.798	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
515	R23Y_075_050$_{de}$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.333	0.25	55.2	29.6	25.8	39.3	41.0	0.268	0.637	0.625	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
516	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.47	59.0	27.0	12.9	30.0	25.4	0.264	0.577	0.428	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
517	R18Y_075_037$_{de}$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.685	59.1	29.2	2.2	29.2	4.3	0.276	0.582	0.271	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
518	B65R_075_037$_{de}$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.601	0.375	0.75	56.0	24.1	−5.7	24.7	346.6	0.398	0.56	0.211	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
519	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.495	0.375	0.75	53.6	17.9	−10.9	20.9	328.6	0.515	0.56	0.205	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
520	B38R_087_050$_{de}$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.442	0.375	0.875	52.9	18.2	−18.0	25.7	315.3	0.56	0.555	0.1	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
521	B30R_100_062$_{de}$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.38	0.375	1.0	51.6	18.7	−25.1	31.3	306.8	0.616	0.551	0.0	0.0	270	0.008	0.0	1.0	25.2	30.0	−40.1	50.1	306.8
522	R68Y_075_075$_{de}$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.407	0.0	56.6	18.4	53.9	56.9	71.1	0.298	0.544	0.988	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
523	R61Y_075_062$_{de}$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.433	0.125	58.4	18.4	42.7	46.5	66.6	0.286	0.526	0.82	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
524	R50Y_075_050$_{de}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.449	0.25	60.1	19.1	31.7	37.0	58.8	0.274	0.513	0.664	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
525	R31Y_075_037$_{de}$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.467	0.375	62.0	19.6	20.7	28.5	46.6	0.266	0.499	0.515	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
526	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.563	65.3	18.0	8.6	20.0	25.4	0.269	0.457	0.339	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
527	R00Y_075_025$_{de}$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.684	0.5	0.75	64.2	17.6	−2.4	17.7	352.0	0.324	0.446	0.198	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
528	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.58	0.5	0.75	61.6	11.9	−7.2	13.9	328.6	0.434	0.428	0.188	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
529	B34R_087_037$_{de}$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.524	0.5	0.875	60.8	12.3	−14.4	19.0	310.5	0.479	0.434	0.098	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
530	B25R_100_050$_{de}$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.5	0.552	1.0	61.8	11.7	−20.1	23.3	300.1	0.501	0.411	0.005	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
531	R85Y_075_075$_{de}$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.513	0.0	62.2	8.1	60.3	60.9	82.2	0.293	0.431	0.988	0.0	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
532	R81Y_075_062$_{de}$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.53	0.125	63.8	8.5	49.0	49.8	80.0	0.283	0.424	0.837	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
533	R76Y_075_050$_{de}$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.552	0.25	65.4	8.9	37.9	38.9	76.7	0.275	0.411	0.695	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
534	R68Y_075_037$_{de}$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.578	0.375	67.2	9.2	26.9	28.4	71.1	0.27	0.395	0.557	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
535	R50Y_075_025$_{de}$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.599	0.5	68.9	9.5	15.8	18.5	58.8	0.272	0.38	0.418	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
536	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.656	71.5	9.0	4.3	10.0	25.4	0.28	0.335	0.255	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
537	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.665	0.625	0.75	69.7	5.9	−3.6	6.9	328.6	0.362	0.3	0.177	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
538	B25R_087_025$_{de}$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.625	0.651	0.875	69.8	5.8	−10.0	11.6	300.1	0.393	0.287	0.094	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
539	B15R_100_037$_{de}$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.625	0.718	1.0	72.0	5.4	−15.0	16.0	289.7	0.396	0.247	0.008	0.0	256	0.0	0.248	1.0	32.8	14.4	−40.2	42.7	289.7
540	Y00G_075_075$_{de}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.659	0.0	68.8	−2.7	67.8	67.8	92.3	0.285	0.269	0.986	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
541	Y00G_075_062$_{de}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.674	0.125	70.3	−2.2	56.5	56.5	92.3	0.274	0.262	0.852	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
542	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.268	0.252	0.724	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
543	Y00G_075_037$_{de}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.704	0.375	73.3	−1.3	33.9	33.9	92.3	0.267	0.24	0.591	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
544	Y00G_075_025$_{de}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.719	0.5	74.8	−0.9	22.6	22.6	92.3	0.272	0.226	0.465	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
545	Y00G_075_012$_{de}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.734	0.625	76.3	−0.4	11.3	11.3	92.3	0.282	0.206	0.329	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
546	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
547	B00R_087_012$_{de}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.807	0.875	79.7	0.1	−5.0	5.0	271.7	0.292	0.159	0.094	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
548	B00R_100_025$_{de}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.864	1.0	81.7	0.3	−10.1	10.1	271.7	0.289	0.133	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
549	Y13G_087_087$_{de}$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.663	0.875	0.0	73.9	−15.1	73.4	75.0	101.6	0.327	0.112	0.988	0.0	103	0.758	1.0	0.0	81.0	−17.2	83.9	85.7	101.6
550	Y15G_087_075$_{de}$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.671	0.875	0.125	74.9	−14.0	61.7	63.3	102.7	0.317	0.117	0.861	0.0	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
551	Y18G_087_062$_{de}$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.674	0.875	0.25	75.4	−13.3	49.4	51.2	105.1	0.321	0.115	0.735	0.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
552	Y23G_087_050$_{de}$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.677	0.875	0.375	76.1	−12.5	37.1	39.2	108.6	0.323	0.114	0.607	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
553	Y31G_087_037$_{de}$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.685	0.875	0.5	77.2	−11.2	24.7	27.2	114.4	0.325	0.108	0.483	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
554	Y50G_087_025$_{de}$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.705	0.875	0.625	78.4	−10.2	13.4	16.9	127.2	0.338	0.093	0.357	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
555	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.1	−7.7	2.4	8.1	162.2	0.321	0.074	0.205	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
556	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.843	81.6	−4.5	−3.4	5.6	216.9	0.306	0.095	0.118	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
557	G75B_100_025$_{de}$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.961	1.0	85.0	−4.9	−10.3	11.4	244.3	0.3	0.034	0.002	0.0	218	0.0	0.846	1.0	53.3	−19.8	−41.3	45.9	244.3
558	Y23G_100_100$_{de}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6	0.396	0.0	1.0	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
559	Y26G_100_087$_{de}$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.615	1.0	0.125	75.7	−23.7	62.1	66.5	110.9	0.389	0.001	0.86	0.0	116	0.56	1.0	0.0	72.8	−27.1	71.0	76.0	110.9
560	Y31G_100_075$_{de}$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.62	1.0	0.25	76.6	−22.5	49.5	54.4	114.4	0.373	0.0	0.727	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
561	Y38G_100_062$_{de}$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.633	1.0	0.375	77.8	−21.2	38.0	43.5	119.1	0.362	0.0	0.606	0.0	125	0.414	1.0	0.0	67.2	−33.9	60.9	69.7	119.1
562	Y50G_100_050$_{de}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.661	1.0	0.5	79.1	−20.4	26.9	33.8	127.2	0.371	0.0	0.498	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
563	Y68G_100_037$_{de}$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.694	1.0	0.625	80.9	−19.1	15.9	24.9	140.0	0.378	0.0	0.376	0.0	139	0.184	1.0	0.0	56.4	−50.9	42.6	66.4	140.0
564	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.787	84.3	−15.5	4.9	16.3	162.2	0.34	0.0	0.25	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
565	G25B_100_025$_{de}$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	84.9	−12.1	−2.0	12.3	189.6	0.332	0.0	0.135	0.0	180	0.0	1.0	0.502	53.0	−48.6	−8.2	49.2	189.6
566	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.936	85.4	−9.0	−6.8	11.3	216.9	0.318	0.0	0.06	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131831−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
567	R00Y_087_087$_{de}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.222	42.9	63.1	30.1	70.0	25.4	0.173	0.986	0.785	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
568	R36Y_087_087$_{de}$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.424	43.2	64.8	19.2	67.6	16.5	0.175	0.983	0.578	0.0	360	1.0	0.0	0.485	45.8	74.1	22.0	77.3	16.5
569	R23Y_087_087$_{de}$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.627	43.2	67.2	9.0	67.8	7.6	0.175	0.986	0.402	0.0	345	1.0	0.0	0.716	45.9	76.8	10.3	77.5	7.6
570	R08Y_087_087$_{de}$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.809	0.0	0.875	42.4	67.2	−2.7	67.3	357.6	0.236	0.981	0.166	0.0	326	0.925	0.0	1.0	45.0	76.8	−3.1	76.9	357.6
571	B70R_087_087$_{de}$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.65	0.0	0.875	39.4	61.8	−8.3	62.4	352.3	0.368	0.971	0.145	0.0	315	0.742	0.0	1.0	41.6	70.7	−9.5	71.3	352.3
572	B63R_087_087$_{de}$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.485	0.0	0.875	35.1	54.0	−15.7	56.2	343.7	0.529	0.996	0.16	0.0	303	0.554	0.0	1.0	36.6	61.7	−17.9	64.2	343.7
573	B56R_087_087$_{de}$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.371	0.0	0.875	32.7	47.7	−21.0	52.2	336.1	0.63	0.99	0.142	0.0	295	0.424	0.0	1.0	33.8	54.5	−24.0	59.6	336.1
574	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.281	0.0	0.875	30.2	41.8	−25.5	48.9	328.6	0.706	0.99	0.133	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
575	B44R_100_100$_{de}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9	0.752	1.0	0.0	0.0	283	0.246	0.0	1.0	28.8	41.8	−32.7	53.1	321.9
576	R13Y_087_087$_{de}$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.038	0.0	43.9	59.5	40.7	72.2	34.3	0.171	0.947	1.0	0.0	32	1.0	0.044	0.0	46.6	68.0	46.6	82.5	34.3
577	R00Y_087_075$_{de}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.316	49.2	54.1	25.8	60.0	25.4	0.138	0.847	0.628	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
578	R35Y_087_075$_{de}$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.509	49.4	55.7	15.4	57.8	15.4	0.142	0.847	0.472	0.0	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
579	R18Y_087_075$_{de}$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.745	49.4	58.4	4.4	58.5	4.3	0.147	0.854	0.286	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
580	R00Y_087_075$_{de}$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.677	0.125	0.875	46.0	52.8	−7.3	53.3	352.0	0.321	0.842	0.143	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
581	B65R_087_075$_{de}$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.577	0.125	0.875	43.2	48.2	−11.4	49.5	346.6	0.423	0.844	0.146	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
582	B57R_087_075$_{de}$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.455	0.125	0.875	40.7	41.6	−17.5	45.1	337.1	0.537	0.843	0.128	0.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
583	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.366	0.125	0.875	38.3	35.8	−21.8	41.9	328.6	0.635	0.836	0.122	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
584	B43R_100_087$_{de}$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.326	0.125	1.0	37.1	35.9	−29.0	46.2	321.0	0.675	0.836	0.0	0.0	282	0.23	0.0	1.0	28.7	41.0	−33.2	52.8	321.0
585	R26Y_087_087$_{de}$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.173	0.0	48.3	49.4	46.5	67.9	43.3	0.169	0.814	1.0	0.0	40	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43.3
586	R15Y_087_075$_{de}$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.176	0.125	50.5	49.9	35.6	61.3	35.5	0.135	0.809	0.778	0.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
587	R00Y_087_062$_{de}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.409	55.4	45.1	21.5	50.0	25.4	0.11	0.733	0.509	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
588	R31Y_087_062$_{de}$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.606	55.6	46.9	11.0	48.2	13.2	0.119	0.739	0.372	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
589	R11Y_087_062$_{de}$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.874	55.7	49.5	−0.1	49.5	359.8	0.128	0.749	0.163	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
590	B69R_087_062$_{de}$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.682	0.25	0.875	52.0	42.8	−7.2	43.4	350.4	0.31	0.733	0.129	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
591	B59R_087_062$_{de}$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.546	0.25	0.875	48.8	35.7	−13.7	38.3	339.0	0.442	0.718	0.107	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
592	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.451	0.25	0.875	46.4	29.8	−18.2	34.9	328.6	0.548	0.714	0.107	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
593	B42R_100_075$_{de}$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.411	0.25	1.0	45.3	30.2	−25.3	39.4	320.0	0.597	0.714	0.0	0.0	281	0.214	0.0	1.0	28.6	40.3	−33.7	52.6	320.0
594	R41Y_087_087$_{de}$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.288	0.0	53.0	39.0	52.4	65.4	53.3	0.165	0.699	1.0	0.0	48	1.0	0.329	0.0	57.1	44.6	59.9	74.7	53.3
595	R31Y_087_075$_{de}$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.309	0.125	55.1	39.2	41.5	57.1	46.6	0.138	0.691	0.814	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
596	R18Y_087_062$_{de}$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.322	0.25	57.3	39.6	30.6	50.1	37.7	0.108	0.682	0.63	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
597	R00Y_087_050$_{de}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.502	61.7	36.1	17.2	40.0	25.4	0.095	0.611	0.415	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
598	R26Y_087_050$_{de}$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.703	61.9	38.0	6.6	38.6	9.8	0.106	0.618	0.27	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
599	R00Y_087_050$_{de}$	0.875	0.375	0.625	0.875	0.5	0.625	360	0.743	0.375	0.875	59.6	35.2	−4.9	35.5	352.0	0.246	0.616	0.12	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
600	B61R_087_050$_{de}$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.636	0.375	0.875	56.9	29.9	−9.8	31.5	341.8	0.346	0.586	0.101	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
601	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.535	0.375	0.875	54.4	23.8	−14.5	27.9	328.6	0.461	0.579	0.099	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
602	B40R_100_062$_{de}$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.489	0.375	1.0	53.5	24.2	−21.7	32.5	318.1	0.505	0.588	0.0	0.0	279	0.182	0.0	1.0	28.3	38.8	−34.7	52.1	318.1
603	R58Y_087_087$_{de}$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.408	0.0	58.5	28.0	58.7	65.1	64.4	0.163	0.584	1.0	0.0	57	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64.4
604	R50Y_087_075$_{de}$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.423	0.125	60.1	28.7	47.5	55.5	58.8	0.139	0.572	0.837	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
605	R38Y_087_062$_{de}$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.438	0.25	61.9	29.5	36.5	46.9	51.0	0.117	0.562	0.68	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
606	R23Y_087_050$_{de}$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.458	0.375	64.1	29.6	25.8	39.3	41.0	0.096	0.544	0.517	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
607	R00Y_087_037$_{de}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.595	67.9	27.0	12.9	30.0	25.4	0.094	0.488	0.331	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
608	R18Y_087_037$_{de}$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.81	68.0	29.2	2.2	29.2	4.3	0.111	0.498	0.176	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
609	B65R_087_037$_{de}$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.726	0.5	0.875	64.9	24.1	−5.7	24.7	346.6	0.269	0.487	0.113	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
610	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.62	0.5	0.875	62.5	17.9	−10.9	20.9	328.6	0.376	0.444	0.091	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
611	B38R_100_050$_{de}$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.567	0.5	1.0	61.8	18.2	−18.0	25.7	315.3	0.422	0.449	0.0	0.0	277	0.135	0.0	1.0	27.9	36.5	−36.1	51.4	315.3
612	R73Y_087_087$_{de}$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.507	0.0	63.8	18.0	65.0	67.5	74.4	0.157	0.481	1.0	0.0	65	1.0	0.579	0.0	69.5	20.6	74.3	77.1	74.4
613	R68Y_087_075$_{de}$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.532	0.125	65.5	18.4	53.9	56.9	71.1	0.137	0.464	0.856	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
614	R61Y_087_062$_{de}$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.558	0.25	67.3	18.4	42.7	46.5	66.6	0.125	0.446	0.711	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
615	R50Y_087_050$_{de}$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.574	0.375	69.0	19.1	31.7	37.0	58.8	0.11	0.436	0.563	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
616	R31Y_087_037$_{de}$	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.592	0.5	70.9	19.6	20.7	28.5	46.6	0.101	0.425	0.419	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
617	R00Y_087_025$_{de}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.688	74.2	18.0	8.6	20.0	25.4	0.105	0.386	0.246	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
618	R00Y_087_025$_{de}$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.809	0.625	0.875	73.1	17.6	−2.4	17.7	352.0	0.185	0.388	0.106	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
619	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.705	0.625	0.875	70.5	11.9	−7.2	13.9	328.6	0.309	0.351	0.092	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
620	B34R_100_037$_{de}$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.649	0.625	1.0	69.7	12.3	−14.4	19.0	310.5	0.352	0.343	0.0	0.0	273	0.064	0.0	1.0	26.5	32.9	−38.4	50.6	310.5
621	R86Y_087_087$_{de}$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.615	0.0	69.3	8.2	71.3	71.7	83.4	0.152	0.376	1.0	0.0	73	1.0	0.703	0.0	75.7	9.4	81.4	82.0	83.4
622	R85Y_087_075$_{de}$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.638	0.125	71.1	8.1	60.3	60.9	82.2	0.134	0.356	0.864	0.0	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
623	R81Y_087_062$_{de}$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.655	0.25	72.7	8.5	49.0	49.8	80.0	0.123	0.346	0.734	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
624	R76Y_087_050$_{de}$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.677	0.375	74.3	8.9	37.9	38.9	76.7	0.116	0.324	0.594	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
625	R68Y_087_037$_{de}$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.703	0.5	76.1	9.2	26.9	28.4	71.1	0.113	0.303	0.464	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
626	R50Y_087_025$_{de}$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.724	0.625	77.8	9.5	15.8	18.5	58.8	0.117	0.285	0.33	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
627	R00Y_087_012$_{de}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.781	80.4	9.0	4.3	10.0	25.4	0.131	0.248	0.167	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
628	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.79	0.75	0.875	78.6	5.9	−3.6	6.9	328.6	0.242	0.226	0.094	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
629	B25R_100_025$_{de}$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.75	0.776	1.0	78.7	5.8	−10.0	11.6	300.1	0.274	0.211	0.008	0.0	264	0.0	0.105	1.0	28.1	23.4	−40.3	46.7	300.1
630	Y00G_087_087$_{de}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.769	0.0	76.2	−3.1	79.1	79.1	92.3	0.149	0.196	0.998	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
631	Y00G_087_075$_{de}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.784	0.125	77.7	−2.7	67.8	67.8	92.3	0.132	0.194	0.875	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
632	Y00G_087_062$_{de}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.799	0.25	79.2	−2.2	56.5	56.5	92.3	0.119	0.183	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
633	Y00G_087_050$_{de}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.814	0.375	80.7	−1.8	45.2	45.2	92.3	0.112	0.173	0.624	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
634	Y00G_087_037$_{de}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.829	0.5	82.2	−1.3	33.9	33.9	92.3	0.115	0.161	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
635	Y00G_087_025$_{de}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.844	0.625	83.7	−0.9	22.6	22.6	92.3	0.122	0.145	0.384	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
636	Y00G_087_012$_{de}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.859	0.75	85.2	−0.4	11.3	11.3	92.3	0.135	0.127	0.249	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
637	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
638	B00R_100_012$_{de}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.932	1.0	88.7	0.1	−5.0	5.0	271.7	0.156	0.07	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
639	Y11G_100_100$_{de}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4	0.194	0.0	1.0	0.0	100	0.807	1.0	0.0	82.4	−15.9	86.2	87.6	100.4
640	Y13G_100_087$_{de}$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.788	1.0	0.125	82.8	−15.1	73.4	75.0	101.6	0.194	0.008	0.882	0.0	103	0.758	1.0	0.0	81.0	−17.2	83.9	85.7	101.6
641	Y15G_100_075$_{de}$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.796	1.0	0.25	83.8	−14.0	61.7	63.3	102.7	0.184	0.012	0.767	0.0	105	0.729	1.0	0.0	79.8	−18.6	82.3	84.4	102.7
642	Y18G_100_062$_{de}$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.799	1.0	0.375	84.4	−13.3	49.4	51.2	105.1	0.192	0.012	0.649	0.0	108	0.678	1.0	0.0	77.6	−21.4	79.1	82.0	105.1
643	Y23G_100_050$_{de}$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.802	1.0	0.5	85.1	−12.5	37.1	39.2	108.6	0.202	0.011	0.532	0.0	113	0.605	1.0	0.0	74.5	−25.0	74.3	78.4	108.6
644	Y31G_100_037$_{de}$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.81	1.0	0.625	86.1	−11.2	24.7	27.2	114.4	0.206	0.006	0.41	0.0	120	0.493	1.0	0.0	70.3	−30.0	66.1	72.6	114.4
645	Y50G_100_025$_{de}$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.83	1.0	0.75	87.3	−10.2	13.4	16.9	127.2	0.221	0.0	0.285	0.0	131	0.322	1.0	0.0	62.6	−40.9	53.8	67.6	127.2
646	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.0	−7.7	2.4	8.1	162.2	0.197	0.0	0.125	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
647	G50B_100_012$_{de}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.968	90.5	−4.5	−3.4	5.6	216.9	0.178	0.0	0.032	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1131931−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
648	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
649	R38Y_100_100$_{de}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6	0.0	1.0	0.538	0.0	362	1.0	0.0	0.458	45.8	73.8	23.5	77.5	17.6
650	R26Y_100_100$_{de}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8	0.0	1.0	0.343	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
651	R13Y_100_100$_{de}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9	0.0	1.0	0.044	0.0	332	1.0	0.0	0.955	46.0	78.9	1.3	78.9	0.9
652	R00Y_100_100$_{de}$	1.0	0.0	0.5	1.0	1.0	0.5	360	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0	0.264	1.0	0.0	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
653	B68R_100_100$_{de}$	1.0	0.0	0.625	1.0	1.0	0.5	352	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4	0.334	1.0	0.0	0.0	310	0.666	0.0	1.0	39.3	67.3	−12.5	68.5	349.4
654	B61R_100_100$_{de}$	1.0	0.0	0.75	1.0	1.0	0.5	344	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8	0.475	0.999	0.0	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
655	B55R_100_100$_{de}$	1.0	0.0	0.875	1.0	1.0	0.5	337	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2	0.59	0.999	0.0	0.0	293	0.407	0.0	1.0	33.5	53.6	−24.7	59.1	335.2
656	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
657	R11Y_100_100$_{de}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2	0.0	0.979	1.0	0.0	31	1.0	0.02	0.0	46.0	69.6	45.6	83.2	33.2
658	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.347	51.9	63.1	30.1	70.0	25.4	0.0	0.875	0.625	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
659	R36Y_100_087$_{de}$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.549	52.1	64.8	19.2	67.6	16.5	0.0	0.852	0.422	0.0	360	1.0	0.0	0.485	45.8	74.1	22.0	77.3	16.5
660	R23Y_100_087$_{de}$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.752	52.1	67.2	9.0	67.8	7.6	0.0	0.874	0.254	0.0	345	1.0	0.0	0.716	45.9	76.8	10.3	77.5	7.6
661	R08Y_100_087$_{de}$	1.0	0.125	0.5	1.0	0.875	0.562	365	0.934	0.125	1.0	51.3	67.2	−2.7	67.3	357.6	0.028	0.867	0.015	0.0	326	0.925	0.0	1.0	45.0	76.8	−3.1	76.9	357.6
662	B70R_100_087$_{de}$	1.0	0.125	0.625	1.0	0.875	0.562	355	0.775	0.125	1.0	48.3	61.8	−8.3	62.4	352.3	0.194	0.871	0.009	0.0	315	0.742	0.0	1.0	41.6	70.7	−9.5	71.3	352.3
663	B63R_100_087$_{de}$	1.0	0.125	0.75	1.0	0.875	0.562	346	0.61	0.125	1.0	44.0	54.0	−15.7	56.2	343.7	0.379	0.852	0.0	0.0	303	0.554	0.0	1.0	36.6	61.7	−17.9	64.2	343.7
664	B56R_100_087$_{de}$	1.0	0.125	0.875	1.0	0.875	0.562	338	0.496	0.125	1.0	41.6	47.7	−21.0	52.2	336.1	0.483	0.856	0.0	0.0	295	0.424	0.0	1.0	33.8	54.5	−24.0	59.6	336.1
665	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.406	0.125	1.0	39.1	41.8	−25.5	48.9	328.6	0.587	0.848	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
666	R23Y_100_100$_{de}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0	0.0	0.832	1.0	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
667	R13Y_100_087$_{de}$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.163	0.125	52.8	59.5	40.7	72.2	34.3	0.0	0.817	0.759	0.0	32	1.0	0.044	0.0	46.6	68.0	46.6	82.5	34.3
668	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.441	58.1	54.1	25.8	60.0	25.4	0.0	0.75	0.5	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
669	R35Y_100_075$_{de}$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.634	58.3	55.7	15.4	57.8	15.4	0.0	0.75	0.375	0.0	359	1.0	0.0	0.512	45.9	74.3	20.5	77.1	15.4
670	R18Y_100_075$_{de}$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.87	58.3	58.4	4.4	58.5	4.3	0.0	0.75	0.141	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
671	R00Y_100_075$_{de}$	1.0	0.25	0.625	1.0	0.75	0.625	360	0.802	0.25	1.0	54.9	52.8	−7.3	53.3	352.0	0.15	0.767	0.006	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
672	B65R_100_075$_{de}$	1.0	0.25	0.75	1.0	0.75	0.625	349	0.702	0.25	1.0	52.1	48.2	−11.4	49.5	346.6	0.274	0.762	0.006	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
673	B57R_100_075$_{de}$	1.0	0.25	0.875	1.0	0.75	0.625	339	0.58	0.25	1.0	49.6	41.6	−17.5	45.1	337.1	0.391	0.73	0.0	0.0	296	0.44	0.0	1.0	34.2	55.4	−23.3	60.2	337.1
674	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.491	0.25	1.0	47.2	35.8	−21.8	41.9	328.6	0.498	0.735	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
675	R36Y_100_100$_{de}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9	0.0	0.71	1.0	0.0	46	1.0	0.288	0.0	55.3	48.4	57.7	75.4	49.9
676	R26Y_100_087$_{de}$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.298	0.125	57.2	49.4	46.5	67.9	43.3	0.0	0.702	0.797	0.0	40	1.0	0.198	0.0	51.7	56.5	53.2	77.6	43.3
677	R15Y_100_075$_{de}$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.301	0.25	59.4	49.9	35.6	61.3	35.5	0.0	0.691	0.623	0.0	33	1.0	0.068	0.0	47.3	66.5	47.4	81.7	35.5
678	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.534	64.3	45.1	21.5	50.0	25.4	0.0	0.625	0.375	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
679	R31Y_100_062$_{de}$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.731	64.5	46.9	11.0	48.2	13.2	0.0	0.625	0.25	0.0	355	1.0	0.0	0.57	45.9	75.0	17.6	77.1	13.2
680	R11Y_100_062$_{de}$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.999	64.6	49.5	−0.1	49.5	359.8	0.0	0.639	0.029	0.0	330	1.0	0.0	0.999	46.1	79.3	−0.1	79.3	359.8
681	B69R_100_062$_{de}$	1.0	0.375	0.75	1.0	0.625	0.687	353	0.807	0.375	1.0	60.9	42.8	−7.2	43.4	350.4	0.141	0.656	0.008	0.0	312	0.692	0.0	1.0	40.0	68.5	−11.5	69.4	350.4
682	B59R_100_062$_{de}$	1.0	0.375	0.875	1.0	0.625	0.687	341	0.671	0.375	1.0	57.7	35.7	−13.7	38.3	339.0	0.299	0.626	0.0	0.0	298	0.473	0.0	1.0	35.0	57.2	−21.9	61.3	339.0
683	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.576	0.375	1.0	55.3	29.8	−18.2	34.9	328.6	0.401	0.592	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
684	R50Y_100_100$_{de}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8	0.0	0.6	1.0	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
685	R41Y_100_087$_{de}$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.413	0.125	61.9	39.0	52.4	65.4	53.3	0.0	0.577	0.823	0.0	48	1.0	0.329	0.0	57.1	44.6	59.9	74.7	53.3
686	R31Y_100_075$_{de}$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.434	0.25	64.0	39.2	41.5	57.1	46.6	0.0	0.569	0.649	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
687	R18Y_100_062$_{de}$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.447	0.375	66.2	39.6	30.6	50.1	37.7	0.0	0.561	0.498	0.0	36	1.0	0.115	0.0	48.6	63.4	49.1	80.2	37.7
688	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
689	R26Y_100_050$_{de}$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.828	70.8	38.0	6.6	38.6	9.8	0.0	0.508	0.152	0.0	349	1.0	0.0	0.657	46.0	76.1	13.2	77.2	9.8
690	R00Y_100_050$_{de}$	1.0	0.5	0.75	1.0	0.5	0.75	360	0.868	0.5	1.0	68.5	35.2	−4.9	35.5	352.0	0.061	0.526	0.009	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
691	B61R_100_050$_{de}$	1.0	0.5	0.875	1.0	0.5	0.75	344	0.761	0.5	1.0	65.8	29.9	−9.8	31.5	341.8	0.209	0.519	0.0	0.0	301	0.522	0.0	1.0	36.0	59.9	−19.6	63.0	341.8
692	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	0.326	0.478	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
693	R63Y_100_100$_{de}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8	0.0	0.491	1.0	0.0	60	1.0	0.506	0.0	65.3	28.2	69.2	74.7	67.8
694	R58Y_100_087$_{de}$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.533	0.125	67.4	28.0	58.7	65.1	64.4	0.0	0.468	0.839	0.0	57	1.0	0.466	0.0	63.3	32.0	67.1	74.4	64.4
695	R50Y_100_075$_{de}$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.548	0.25	69.0	28.7	47.5	55.5	58.8	0.0	0.461	0.686	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
696	R38Y_100_062$_{de}$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.563	0.375	70.8	29.5	36.5	46.9	51.0	0.0	0.459	0.542	0.0	47	1.0	0.301	0.0	55.9	47.2	58.5	75.1	51.0
697	R23Y_100_050$_{de}$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.583	0.5	73.0	29.6	25.8	39.3	41.0	0.0	0.447	0.405	0.0	38	1.0	0.166	0.0	50.5	59.2	51.6	78.6	41.0
698	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.72	76.8	27.0	12.9	30.0	25.4	0.0	0.4	0.25	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
699	R18Y_100_037$_{de}$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.935	77.0	29.2	2.2	29.2	4.3	0.0	0.414	0.064	0.0	339	1.0	0.0	0.827	45.9	77.8	5.8	78.1	4.3
700	B65R_100_037$_{de}$	1.0	0.625	0.875	1.0	0.375	0.812	349	0.851	0.625	1.0	73.8	24.1	−5.7	24.7	346.6	0.112	0.419	0.01	0.0	306	0.603	0.0	1.0	37.6	64.3	−15.3	66.1	346.6
701	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.745	0.625	1.0	71.4	17.9	−10.9	20.9	328.6	0.256	0.396	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
702	R76Y_100_100$_{de}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7	0.0	0.397	1.0	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
703	R73Y_100_087$_{de}$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.632	0.125	72.7	18.0	65.0	67.5	74.4	0.0	0.39	0.874	0.0	65	1.0	0.579	0.0	69.5	20.6	74.3	77.1	74.4
704	R68Y_100_075$_{de}$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.657	0.25	74.4	18.4	53.9	56.9	71.1	0.0	0.375	0.75	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
705	R61Y_100_062$_{de}$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.683	0.375	76.2	18.4	42.7	46.5	66.6	0.0	0.375	0.625	0.0	59	1.0	0.494	0.0	64.6	29.4	68.4	74.5	66.6
706	R50Y_100_050$_{de}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.699	0.5	77.9	19.1	31.7	37.0	58.8	0.0	0.375	0.5	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
707	R31Y_100_037$_{de}$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.717	0.625	79.8	19.6	20.7	28.5	46.6	0.0	0.375	0.375	0.0	43	1.0	0.246	0.0	53.5	52.2	55.3	76.1	46.6
708	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.813	83.1	18.0	8.6	20.0	25.4	0.0	0.282	0.147	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
709	R00Y_100_025$_{de}$	1.0	0.75	0.875	1.0	0.25	0.875	360	0.934	0.75	1.0	82.0	17.6	−2.4	17.7	352.0	0.013	0.287	0.009	0.0	315	0.736	0.0	1.0	41.4	70.4	−9.8	71.1	352.0
710	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.83	0.75	1.0	79.5	11.9	−7.2	13.9	328.6	0.17	0.264	0.003	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
711	R88Y_100_100$_{de}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5	0.0	0.28	1.0	0.0	74	1.0	0.721	0.0	76.6	7.9	82.4	82.8	84.5
712	R86Y_100_087$_{de}$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.74	0.125	78.2	8.2	71.3	71.7	83.4	0.0	0.275	0.874	0.0	73	1.0	0.703	0.0	75.7	9.4	81.4	82.0	83.4
713	R85Y_100_075$_{de}$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.763	0.25	80.0	8.1	60.3	60.9	82.2	0.0	0.257	0.749	0.0	72	1.0	0.684	0.0	74.9	10.9	80.5	81.2	82.2
714	R81Y_100_062$_{de}$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.78	0.375	81.6	8.5	49.0	49.8	80.0	0.0	0.25	0.625	0.0	69	1.0	0.648	0.0	73.2	13.7	78.4	79.6	80.0
715	R76Y_100_050$_{de}$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.802	0.5	83.2	8.9	37.9	38.9	76.7	0.0	0.222	0.498	0.0	66	1.0	0.604	0.0	70.9	17.9	75.9	77.9	76.7
716	R68Y_100_037$_{de}$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.828	0.625	85.0	9.2	26.9	28.4	71.1	0.0	0.207	0.376	0.0	62	1.0	0.543	0.0	67.4	24.5	71.9	75.9	71.1
717	R50Y_100_025$_{de}$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.849	0.75	86.7	9.5	15.8	18.5	58.8	0.0	0.192	0.25	0.0	53	1.0	0.398	0.0	60.2	38.2	63.4	74.1	58.8
718	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.906	89.3	9.0	4.3	10.0	25.4	0.0	0.157	0.071	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
719	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.915	0.875	1.0	87.5	5.9	−3.6	6.9	328.6	0.085	0.144	0.007	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
720	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
721	Y00G_100_087$_{de}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.894	0.125	85.1	−3.1	79.1	79.1	92.3	0.0	0.116	0.874	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
722	Y00G_100_075$_{de}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.909	0.25	86.6	−2.7	67.8	67.8	92.3	0.0	0.118	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
723	Y00G_100_062$_{de}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.924	0.375	88.1	−2.2	56.5	56.5	92.3	0.0	0.1	0.629	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
724	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	0.0	0.087	0.519	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
725	Y00G_100_037$_{de}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.954	0.625	91.1	−1.3	33.9	33.9	92.3	0.0	0.071	0.406	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
726	Y00G_100_025$_{de}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.969	0.75	92.6	−0.9	22.6	22.6	92.3	0.0	0.05	0.283	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
727	Y00G_100_012$_{de}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.984	0.875	94.1	−0.4	11.3	11.3	92.3	0.0	0.03	0.148	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
728	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'^*$, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1132031−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
729	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
730	G50B_100_012$_{de}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	0.968	90.5	−4.5	−3.4	5.6	216.9	0.178	0.0	0.032	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
731	G50B_100_025$_{de}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	0.936	85.4	−9.0	−6.8	11.3	216.9	0.318	0.0	0.06	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
732	G50B_100_037$_{de}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	0.905	80.3	−13.5	−10.2	16.9	216.9	0.445	0.0	0.091	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
733	G50B_100_050$_{de}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	0.873	75.3	−18.1	−13.6	22.6	216.9	0.578	0.0	0.13	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
734	G50B_100_062$_{de}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	0.842	70.2	−22.6	−17.0	28.3	216.9	0.677	0.0	0.16	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
735	G50B_100_075$_{de}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	0.81	65.1	−27.1	−20.4	33.9	216.9	0.766	0.0	0.187	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
736	G50B_100_087$_{de}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	0.778	60.0	−31.6	−23.8	39.6	216.9	0.895	0.0	0.222	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
737	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
738	R00Y_100_012$_{de}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.906	89.3	9.0	4.3	10.0	25.4	0.0	0.157	0.071	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
739	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
740	G50B_087_012$_{de}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.843	81.6	−4.5	−3.4	5.6	216.9	0.306	0.095	0.118	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
741	G50B_087_025$_{de}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.811	76.5	−9.0	−6.8	11.3	216.9	0.433	0.093	0.148	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
742	G50B_087_037$_{de}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.78	71.4	−13.5	−10.2	16.9	216.9	0.564	0.095	0.183	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
743	G50B_087_050$_{de}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.748	66.4	−18.1	−13.6	22.6	216.9	0.67	0.098	0.212	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
744	G50B_087_062$_{de}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.717	61.3	−22.6	−17.0	28.3	216.9	0.757	0.105	0.242	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
745	G50B_087_075$_{de}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.685	56.2	−27.1	−20.4	33.9	216.9	0.889	0.13	0.28	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
746	G50B_087_087$_{de}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.653	51.1	−31.6	−23.8	39.6	216.9	0.992	0.158	0.304	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
747	R00Y_100_025$_{de}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.813	83.1	18.0	8.6	20.0	25.4	0.0	0.282	0.147	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
748	R00Y_087_012$_{de}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.781	80.4	9.0	4.3	10.0	25.4	0.131	0.248	0.167	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
749	NW_075$_{de}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	77.8	0.0	0.0	0.0	0.0	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
750	G50B_075_012$_{de}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.718	72.7	−4.5	−3.4	5.6	216.9	0.424	0.181	0.203	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
751	G50B_075_025$_{de}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.686	67.6	−9.0	−6.8	11.3	216.9	0.552	0.191	0.241	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
752	G50B_075_037$_{de}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.655	62.5	−13.5	−10.2	16.9	216.9	0.662	0.198	0.267	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
753	G50B_075_050$_{de}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.623	57.5	−18.1	−13.6	22.6	216.9	0.748	0.207	0.288	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
754	G50B_075_062$_{de}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.592	52.4	−22.6	−17.0	28.3	216.9	0.881	0.244	0.327	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
755	G50B_075_075$_{de}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.56	47.3	−27.1	−20.4	33.9	216.9	0.984	0.286	0.357	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
756	R00Y_100_037$_{de}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.72	76.8	27.0	12.9	30.0	25.4	0.0	0.4	0.25	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
757	R00Y_087_025$_{de}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.688	74.2	18.0	8.6	20.0	25.4	0.105	0.386	0.246	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
758	R00Y_075_012$_{de}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.656	71.5	9.0	4.3	10.0	25.4	0.28	0.335	0.255	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
759	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
760	G50B_062_012$_{de}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.593	63.8	−4.5	−3.4	5.6	216.9	0.546	0.284	0.296	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
761	G50B_062_025$_{de}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.561	58.7	−9.0	−6.8	11.3	216.9	0.656	0.3	0.324	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
762	G50B_062_037$_{de}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.53	53.6	−13.5	−10.2	16.9	216.9	0.743	0.314	0.346	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
763	G50B_062_050$_{de}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.498	48.6	−18.1	−13.6	22.6	216.9	0.877	0.37	0.385	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
764	G50B_062_062$_{de}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.467	43.5	−22.6	−17.0	28.3	216.9	0.979	0.413	0.411	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
765	R00Y_100_050$_{de}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.627	70.6	36.1	17.2	40.0	25.4	0.0	0.498	0.295	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
766	R00Y_087_037$_{de}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.595	67.9	27.0	12.9	30.0	25.4	0.094	0.488	0.331	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
767	R00Y_075_025$_{de}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.563	65.3	18.0	8.6	20.0	25.4	0.269	0.457	0.339	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
768	R00Y_062_012$_{de}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.531	62.6	9.0	4.3	10.0	25.4	0.402	0.407	0.335	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
769	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
770	G50B_050_012$_{de}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.468	54.9	−4.5	−3.4	5.6	216.9	0.652	0.395	0.382	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
771	G50B_050_025$_{de}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.436	49.8	−9.0	−6.8	11.3	216.9	0.739	0.413	0.406	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
772	G50B_050_037$_{de}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.405	44.7	−13.5	−10.2	16.9	216.9	0.874	0.465	0.454	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
773	G50B_050_050$_{de}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.373	39.7	−18.1	−13.6	22.6	216.9	0.974	0.514	0.479	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
774	R00Y_100_062$_{de}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.534	64.3	45.1	21.5	50.0	25.4	0.0	0.625	0.375	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
775	R00Y_087_050$_{de}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.502	61.7	36.1	17.2	40.0	25.4	0.095	0.611	0.415	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
776	R00Y_075_037$_{de}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.47	59.0	27.0	12.9	30.0	25.4	0.264	0.577	0.428	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
777	R00Y_062_025$_{de}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.438	56.4	18.0	8.6	20.0	25.4	0.398	0.522	0.423	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
778	R00Y_050_012$_{de}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.406	53.7	9.0	4.3	10.0	25.4	0.534	0.509	0.45	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
779	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
780	G50B_037_012$_{de}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.343	46.0	−4.5	−3.4	5.6	216.9	0.738	0.494	0.476	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
781	G50B_037_025$_{de}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.311	40.9	−9.0	−6.8	11.3	216.9	0.874	0.571	0.533	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
782	G50B_037_037$_{de}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.28	35.8	−13.5	−10.2	16.9	216.9	0.975	0.633	0.555	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
783	R00Y_100_075$_{de}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.441	58.1	54.1	25.8	60.0	25.4	0.0	0.75	0.5	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
784	R00Y_087_062$_{de}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.409	55.4	45.1	21.5	50.0	25.4	0.11	0.733	0.509	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
785	R00Y_075_050$_{de}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.377	52.8	36.1	17.2	40.0	25.4	0.271	0.698	0.52	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
786	R00Y_062_037$_{de}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.345	50.1	27.0	12.9	30.0	25.4	0.401	0.657	0.522	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
787	R00Y_050_025$_{de}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.313	47.5	18.0	8.6	20.0	25.4	0.534	0.65	0.549	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
788	R00Y_037_012$_{de}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.281	44.8	9.0	4.3	10.0	25.4	0.651	0.62	0.55	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
789	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
790	G50B_025_012$_{de}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.218	37.1	−4.5	−3.4	5.6	216.9	0.878	0.673	0.621	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
791	G50B_025_025$_{de}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.186	32.0	−9.0	−6.8	11.3	216.9	0.978	0.752	0.643	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
792	R00Y_100_087$_{de}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.347	51.9	63.1	30.1	70.0	25.4	0.0	0.875	0.625	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
793	R00Y_087_075$_{de}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.316	49.2	54.1	25.8	60.0	25.4	0.138	0.847	0.628	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
794	R00Y_075_062$_{de}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.284	46.5	45.1	21.5	50.0	25.4	0.288	0.815	0.63	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
795	R00Y_062_050$_{de}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.252	43.9	36.1	17.2	40.0	25.4	0.418	0.79	0.65	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
796	R00Y_050_037$_{de}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.22	41.2	27.0	12.9	30.0	25.4	0.545	0.784	0.677	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
797	R00Y_037_025$_{de}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.188	38.6	18.0	8.6	20.0	25.4	0.655	0.765	0.675	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
798	R00Y_025_012$_{de}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.156	35.9	9.0	4.3	10.0	25.4	0.746	0.753	0.692	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
799	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
800	G50B_012_012$_{de}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.093	28.2	−4.5	−3.4	5.6	216.9	0.983	0.849	0.779	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
801	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
802	R00Y_087_087$_{de}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.222	42.9	63.1	30.1	70.0	25.4	0.173	0.986	0.785	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
803	R00Y_075_075$_{de}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.191	40.3	54.1	25.8	60.0	25.4	0.317	0.955	0.803	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
804	R00Y_062_062$_{de}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.159	37.6	45.1	21.5	50.0	25.4	0.446	0.94	0.851	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
805	R00Y_050_050$_{de}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.127	35.0	36.1	17.2	40.0	25.4	0.567	0.932	0.871	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
806	R00Y_037_037$_{de}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.095	32.3	27.0	12.9	30.0	25.4	0.671	0.921	0.895	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
807	R00Y_025_025$_{de}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.063	29.6	18.0	8.6	20.0	25.4	0.767	0.924	0.963	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
808	R00Y_012_012$_{de}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.031	27.0	9.0	4.3	10.0	25.4	0.901	0.963	0.999	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
809	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, Δ*E'**, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1132131−F0

n	HIC*$_{Fde}$	*rgb*$_{\_Fde}$			*ict*$_{\_Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
810	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
811	B00R_100_012$_{de}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.932	1.0	88.7	0.1	−5.0	5.0	271.7	0.156	0.07	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
812	B00R_100_025$_{de}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.864	1.0	81.7	0.3	−10.1	10.1	271.7	0.289	0.133	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
813	B00R_100_037$_{de}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.796	1.0	74.8	0.4	−15.2	15.2	271.7	0.406	0.182	0.009	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
814	B00R_100_050$_{de}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.729	1.0	67.9	0.6	−20.3	20.3	271.7	0.53	0.252	0.01	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
815	B00R_100_062$_{de}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.661	1.0	61.0	0.7	−25.4	25.4	271.7	0.646	0.317	0.008	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
816	B00R_100_075$_{de}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.593	1.0	54.1	0.9	−30.5	30.5	271.7	0.73	0.377	0.004	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
817	B00R_100_087$_{de}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.525	1.0	47.1	1.0	−35.5	35.6	271.7	0.872	0.46	0.006	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
818	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
819	Y00G_100_012$_{de}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	0.984	0.875	94.1	−0.4	11.3	11.3	92.3	0.0	0.03	0.148	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
820	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
821	B00R_087_012$_{de}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.807	0.875	79.7	0.1	−5.0	5.0	271.7	0.292	0.159	0.094	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
822	B00R_087_025$_{de}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.739	0.875	72.8	0.3	−10.1	10.1	271.7	0.408	0.21	0.093	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
823	B00R_087_037$_{de}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.671	0.875	65.9	0.4	−15.2	15.2	271.7	0.529	0.287	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
824	B00R_087_050$_{de}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.604	0.875	59.0	0.6	−20.3	20.3	271.7	0.645	0.361	0.099	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
825	B00R_087_062$_{de}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.536	0.875	52.1	0.7	−25.4	25.4	271.7	0.729	0.413	0.097	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
826	B00R_087_075$_{de}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.468	0.875	45.1	0.9	−30.5	30.5	271.7	0.867	0.501	0.105	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
827	B00R_087_087$_{de}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.4	0.875	38.2	1.0	−35.5	35.6	271.7	0.991	0.591	0.1	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
828	Y00G_100_025$_{de}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	0.969	0.75	92.6	−0.9	22.6	22.6	92.3	0.0	0.05	0.283	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
829	Y00G_087_012$_{de}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.859	0.75	85.2	−0.4	11.3	11.3	92.3	0.135	0.127	0.249	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
830	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
831	B00R_075_012$_{de}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.682	0.75	70.8	0.1	−5.0	5.0	271.7	0.412	0.236	0.176	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
832	B00R_075_025$_{de}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.614	0.75	63.9	0.3	−10.1	10.1	271.7	0.531	0.319	0.187	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
833	B00R_075_037$_{de}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.546	0.75	57.0	0.4	−15.2	15.2	271.7	0.645	0.394	0.192	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
834	B00R_075_050$_{de}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.479	0.75	50.1	0.6	−20.3	20.3	271.7	0.727	0.448	0.191	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
835	B00R_075_062$_{de}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.411	0.75	43.2	0.7	−25.4	25.4	271.7	0.863	0.548	0.204	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
836	B00R_075_075$_{de}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.343	0.75	36.2	0.9	−30.5	30.5	271.7	0.983	0.644	0.199	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
837	Y00G_100_037$_{de}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	0.954	0.625	91.1	−1.3	33.9	33.9	92.3	0.0	0.071	0.406	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
838	Y00G_087_025$_{de}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.844	0.625	83.7	−0.9	22.6	22.6	92.3	0.122	0.145	0.384	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
839	Y00G_075_012$_{de}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.734	0.625	76.3	−0.4	11.3	11.3	92.3	0.282	0.206	0.329	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
840	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
841	B00R_062_012$_{de}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.557	0.625	61.9	0.1	−5.0	5.0	271.7	0.536	0.353	0.274	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
842	B00R_062_025$_{de}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.489	0.625	55.0	0.3	−10.1	10.1	271.7	0.645	0.421	0.282	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
843	B00R_062_037$_{de}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.421	0.625	48.1	0.4	−15.2	15.2	271.7	0.727	0.485	0.285	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
844	B00R_062_050$_{de}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.354	0.625	41.2	0.6	−20.3	20.3	271.7	0.86	0.592	0.3	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
845	B00R_062_062$_{de}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.286	0.625	34.3	0.7	−25.4	25.4	271.7	0.979	0.705	0.302	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
846	Y00G_100_050$_{de}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	0.939	0.5	89.6	−1.8	45.2	45.2	92.3	0.0	0.087	0.519	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
847	Y00G_087_037$_{de}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.829	0.5	82.2	−1.3	33.9	33.9	92.3	0.115	0.161	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
848	Y00G_075_025$_{de}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.719	0.5	74.8	−0.9	22.6	22.6	92.3	0.272	0.226	0.465	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
849	Y00G_062_012$_{de}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.609	0.5	67.4	−0.4	11.3	11.3	92.3	0.399	0.286	0.399	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
850	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
851	B00R_050_012$_{de}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.432	0.5	53.0	0.1	−5.0	5.0	271.7	0.648	0.445	0.366	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
852	B00R_050_025$_{de}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.364	0.5	46.1	0.3	−10.1	10.1	271.7	0.731	0.519	0.371	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
853	B00R_050_037$_{de}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.296	0.5	39.2	0.4	−15.2	15.2	271.7	0.862	0.64	0.395	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
854	B00R_050_050$_{de}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.229	0.5	32.3	0.6	−20.3	20.3	271.7	0.977	0.758	0.404	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
855	Y00G_100_062$_{de}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	0.924	0.375	88.1	−2.2	56.5	56.5	92.3	0.0	0.1	0.629	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
856	Y00G_087_050$_{de}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.814	0.375	80.7	−1.8	45.2	45.2	92.3	0.112	0.173	0.624	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
857	Y00G_075_037$_{de}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.704	0.375	73.3	−1.3	33.9	33.9	92.3	0.267	0.24	0.591	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
858	Y00G_062_025$_{de}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.594	0.375	65.9	−0.9	22.6	22.6	92.3	0.388	0.306	0.532	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
859	Y00G_050_012$_{de}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.484	0.375	58.5	−0.4	11.3	11.3	92.3	0.524	0.403	0.506	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
860	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
861	B00R_037_012$_{de}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.307	0.375	44.1	0.1	−5.0	5.0	271.7	0.736	0.55	0.46	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
862	B00R_037_025$_{de}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.239	0.375	37.2	0.3	−10.1	10.1	271.7	0.867	0.69	0.504	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
863	B00R_037_037$_{de}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.171	0.375	30.3	0.4	−15.2	15.2	271.7	0.976	0.807	0.511	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
864	Y00G_100_075$_{de}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	0.909	0.25	86.6	−2.7	67.8	67.8	92.3	0.0	0.118	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
865	Y00G_087_062$_{de}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.799	0.25	79.2	−2.2	56.5	56.5	92.3	0.119	0.183	0.752	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
866	Y00G_075_050$_{de}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.689	0.25	71.8	−1.8	45.2	45.2	92.3	0.268	0.252	0.724	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
867	Y00G_062_037$_{de}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.579	0.25	64.4	−1.3	33.9	33.9	92.3	0.387	0.322	0.668	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
868	Y00G_050_025$_{de}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.469	0.249	57.0	−0.9	22.6	22.6	92.3	0.519	0.421	0.655	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
869	Y00G_037_012$_{de}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.359	0.249	49.5	−0.4	11.3	11.3	92.3	0.644	0.497	0.607	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
870	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
871	B00R_025_012$_{de}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.182	0.25	35.2	0.1	−5.0	5.0	271.7	0.877	0.732	0.61	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
872	B00R_025_025$_{de}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.114	0.25	28.3	0.3	−10.1	10.1	271.7	0.979	0.856	0.619	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
873	Y00G_100_087$_{de}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	0.894	0.125	85.1	−3.1	79.1	79.1	92.3	0.0	0.116	0.874	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
874	Y00G_087_075$_{de}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.784	0.125	77.7	−2.7	67.8	67.8	92.3	0.132	0.194	0.875	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
875	Y00G_075_062$_{de}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.674	0.125	70.3	−2.2	56.5	56.5	92.3	0.274	0.262	0.852	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
876	Y00G_062_050$_{de}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.564	0.125	62.9	−1.8	45.2	45.2	92.3	0.392	0.339	0.815	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
877	Y00G_050_037$_{de}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.454	0.124	55.5	−1.3	33.9	33.9	92.3	0.52	0.436	0.814	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
878	Y00G_037_025$_{de}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.344	0.124	48.0	−0.9	22.6	22.6	92.3	0.64	0.52	0.778	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
879	Y00G_025_012$_{de}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.234	0.124	40.6	−0.4	11.3	11.3	92.3	0.734	0.621	0.738	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
880	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
881	B00R_012_012$_{de}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.057	0.125	26.3	0.1	−5.0	5.0	271.7	0.984	0.915	0.774	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
882	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
883	Y00G_087_087$_{de}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.769	0.0	76.2	−3.1	79.1	79.1	92.3	0.149	0.196	0.998	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
884	Y00G_075_075$_{de}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.659	0.0	68.8	−2.7	67.8	67.8	92.3	0.285	0.269	0.986	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
885	Y00G_062_062$_{de}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.549	0.0	61.4	−2.2	56.5	56.5	92.3	0.401	0.354	0.978	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
886	Y00G_050_050$_{de}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.439	0.0	54.0	−1.8	45.2	45.2	92.3	0.531	0.448	0.991	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
887	Y00G_037_037$_{de}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.329	0.0	46.5	−1.3	33.9	33.9	92.3	0.646	0.537	0.977	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
888	Y00G_025_025$_{de}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.219	0.0	39.1	−0.9	22.6	22.6	92.3	0.732	0.649	0.98	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
889	Y00G_012_012$_{de}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.109	0.0	31.7	−0.4	11.3	11.3	92.3	0.878	0.805	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
890	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1132231−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
891	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
892	B50R_100_012$_{de}$	1.0	0.875	1.0	1.0	0.125	0.937	330	0.915	0.875	1.0	87.5	5.9	−3.6	6.9	328.6	0.085	0.144	0.007	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
893	B50R_100_025$_{de}$	1.0	0.75	1.0	1.0	0.25	0.875	330	0.83	0.75	1.0	79.5	11.9	−7.2	13.9	328.6	0.17	0.264	0.003	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
894	B50R_100_037$_{de}$	1.0	0.625	1.0	1.0	0.375	0.812	330	0.745	0.625	1.0	71.4	17.9	−10.9	20.9	328.6	0.256	0.396	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
895	B50R_100_050$_{de}$	1.0	0.5	1.0	1.0	0.5	0.75	330	0.66	0.5	1.0	63.3	23.8	−14.5	27.9	328.6	0.326	0.478	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
896	B50R_100_062$_{de}$	1.0	0.375	1.0	1.0	0.625	0.687	330	0.576	0.375	1.0	55.3	29.8	−18.2	34.9	328.6	0.401	0.592	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
897	B50R_100_075$_{de}$	1.0	0.25	1.0	1.0	0.75	0.625	330	0.491	0.25	1.0	47.2	35.8	−21.8	41.9	328.6	0.498	0.735	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
898	B50R_100_087$_{de}$	1.0	0.125	1.0	1.0	0.875	0.562	330	0.406	0.125	1.0	39.1	41.8	−25.5	48.9	328.6	0.587	0.848	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
899	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
900	G00B_100_012$_{de}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.893	90.0	−7.7	2.4	8.1	162.2	0.197	0.0	0.125	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
901	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
902	B50R_087_012$_{de}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.79	0.75	0.875	78.6	5.9	−3.6	6.9	328.6	0.242	0.226	0.094	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
903	B50R_087_025$_{de}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.705	0.625	0.875	70.5	11.9	−7.2	13.9	328.6	0.309	0.351	0.092	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
904	B50R_087_037$_{de}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.62	0.5	0.875	62.5	17.9	−10.9	20.9	328.6	0.376	0.444	0.091	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
905	B50R_087_050$_{de}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.535	0.375	0.875	54.4	23.8	−14.5	27.9	328.6	0.461	0.579	0.099	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
906	B50R_087_062$_{de}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.451	0.25	0.875	46.4	29.8	−18.2	34.9	328.6	0.548	0.714	0.107	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
907	B50R_087_075$_{de}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.366	0.125	0.875	38.3	35.8	−21.8	41.9	328.6	0.635	0.836	0.122	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
908	B50R_087_087$_{de}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.281	0.0	0.875	30.2	41.8	−25.5	48.9	328.6	0.706	0.99	0.133	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
909	G00B_100_025$_{de}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.787	84.3	−15.5	4.9	16.3	162.2	0.34	0.0	0.25	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
910	G00B_087_012$_{de}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.768	81.1	−7.7	2.4	8.1	162.2	0.321	0.074	0.205	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
911	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
912	B50R_075_012$_{de}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.665	0.625	0.75	69.7	5.9	−3.6	6.9	328.6	0.362	0.3	0.177	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
913	B50R_075_025$_{de}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.58	0.5	0.75	61.6	11.9	−7.2	13.9	328.6	0.434	0.428	0.188	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
914	B50R_075_037$_{de}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.495	0.375	0.75	53.6	17.9	−10.9	20.9	328.6	0.515	0.56	0.205	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
915	B50R_075_050$_{de}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.41	0.25	0.75	45.5	23.8	−14.5	27.9	328.6	0.6	0.69	0.212	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
916	B50R_075_062$_{de}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.326	0.125	0.75	37.5	29.8	−18.2	34.9	328.6	0.668	0.82	0.232	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
917	B50R_075_075$_{de}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.241	0.0	0.75	29.4	35.8	−21.8	41.9	328.6	0.738	0.985	0.261	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
918	G00B_100_037$_{de}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.681	78.7	−23.2	7.4	24.4	162.2	0.5	0.0	0.375	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
919	G00B_087_025$_{de}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.662	75.4	−15.5	4.9	16.3	162.2	0.458	0.054	0.312	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
920	G00B_075_012$_{de}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.643	72.1	−7.7	2.4	8.1	162.2	0.438	0.167	0.29	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
921	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
922	B50R_062_012$_{de}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.54	0.5	0.625	60.8	5.9	−3.6	6.9	328.6	0.49	0.41	0.278	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
923	B50R_062_025$_{de}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.455	0.375	0.625	52.7	11.9	−7.2	13.9	328.6	0.568	0.528	0.295	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
924	B50R_062_037$_{de}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.37	0.25	0.625	44.7	17.9	−10.9	20.9	328.6	0.642	0.662	0.305	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
925	B50R_062_050$_{de}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.285	0.125	0.625	36.6	23.8	−14.5	27.9	328.6	0.703	0.802	0.334	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
926	B50R_062_062$_{de}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.201	0.0	0.625	28.5	29.8	−18.2	34.9	328.6	0.781	0.984	0.373	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
927	G00B_100_050$_{de}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.575	73.1	−31.0	9.9	32.6	162.2	0.613	0.0	0.418	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
928	G00B_087_037$_{de}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.556	69.8	−23.2	7.4	24.4	162.2	0.595	0.041	0.413	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
929	G00B_075_025$_{de}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.537	66.5	−15.5	4.9	16.3	162.2	0.575	0.165	0.403	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
930	G00B_062_012$_{de}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.518	63.2	−7.7	2.4	8.1	162.2	0.557	0.269	0.384	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
931	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
932	B50R_050_012$_{de}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.415	0.375	0.5	51.9	5.9	−3.6	6.9	328.6	0.618	0.497	0.38	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
933	B50R_050_025$_{de}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.33	0.249	0.5	43.8	11.9	−7.2	13.9	328.6	0.675	0.632	0.39	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
934	B50R_050_037$_{de}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.245	0.124	0.5	35.8	17.9	−10.9	20.9	328.6	0.736	0.786	0.43	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
935	B50R_050_050$_{de}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.16	0.0	0.5	27.7	23.8	−14.5	27.9	328.6	0.84	0.99	0.486	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
936	G00B_100_062$_{de}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.469	67.5	−38.8	12.4	40.7	162.2	0.701	0.0	0.507	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
937	G00B_087_050$_{de}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.45	64.2	−31.0	9.9	32.6	162.2	0.691	0.041	0.5	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
938	G00B_075_037$_{de}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.431	60.9	−23.2	7.4	24.4	162.2	0.68	0.167	0.494	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
939	G00B_062_025$_{de}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.412	57.6	−15.5	4.9	16.3	162.2	0.67	0.275	0.482	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
940	G00B_050_012$_{de}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.393	54.3	−7.7	2.4	8.1	162.2	0.66	0.388	0.469	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
941	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
942	B50R_037_012$_{de}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.29	0.249	0.375	43.0	5.9	−3.6	6.9	328.6	0.709	0.61	0.475	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
943	B50R_037_025$_{de}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.205	0.124	0.375	34.9	11.9	−7.2	13.9	328.6	0.783	0.778	0.524	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
944	B50R_037_037$_{de}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.12	0.0	0.375	26.9	17.9	−10.9	20.9	328.6	0.887	0.986	0.593	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
945	G00B_100_075$_{de}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.363	61.9	−46.5	14.9	48.9	162.2	0.809	0.0	0.623	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
946	G00B_087_062$_{de}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.344	58.6	−38.8	12.4	40.7	162.2	0.795	0.053	0.596	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
947	G00B_075_050$_{de}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.325	55.3	−31.0	9.9	32.6	162.2	0.782	0.181	0.592	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
948	G00B_062_037$_{de}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.306	52.0	−23.2	7.4	24.4	162.2	0.769	0.292	0.584	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
949	G00B_050_025$_{de}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.287	48.7	−15.5	4.9	16.3	162.2	0.754	0.401	0.574	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
950	G00B_037_012$_{de}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.268	45.4	−7.7	2.4	8.1	162.2	0.748	0.488	0.562	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
951	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
952	B50R_025_012$_{de}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.165	0.124	0.25	34.1	5.9	−3.6	6.9	328.6	0.84	0.778	0.626	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
953	B50R_025_025$_{de}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.08	0.0	0.25	26.0	11.9	−7.2	13.9	328.6	0.927	0.983	0.705	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
954	G00B_100_087$_{de}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.257	56.3	−54.3	17.4	57.0	162.2	0.917	0.0	0.749	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
955	G00B_087_075$_{de}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.238	53.0	−46.5	14.9	48.9	162.2	0.909	0.095	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
956	G00B_075_062$_{de}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.219	49.7	−38.8	12.4	40.7	162.2	0.904	0.222	0.725	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
957	G00B_062_050$_{de}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.2	46.4	−31.0	9.9	32.6	162.2	0.897	0.356	0.727	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
958	G00B_050_037$_{de}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.181	43.1	−23.2	7.4	24.4	162.2	0.891	0.458	0.732	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
959	G00B_037_025$_{de}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.162	39.8	−15.5	4.9	16.3	162.2	0.887	0.564	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
960	G00B_025_012$_{de}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.143	36.5	−7.7	2.4	8.1	162.2	0.885	0.672	0.733	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
961	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
962	B50R_012_012$_{de}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.04	0.0	0.125	25.2	5.9	−3.6	6.9	328.6	0.961	0.98	0.829	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6
963	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
964	G00B_087_087$_{de}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.132	47.3	−54.3	17.4	57.0	162.2	0.995	0.157	0.853	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
965	G00B_075_075$_{de}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.113	44.1	−46.5	14.9	48.9	162.2	0.99	0.286	0.855	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
966	G00B_062_062$_{de}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.094	40.8	−38.8	12.4	40.7	162.2	0.987	0.415	0.862	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
967	G00B_050_050$_{de}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.075	37.5	−31.0	9.9	32.6	162.2	0.984	0.519	0.873	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
968	G00B_037_037$_{de}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.056	34.2	−23.2	7.4	24.4	162.2	0.984	0.637	0.89	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
969	G00B_025_025$_{de}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.037	30.9	−15.5	4.9	16.3	162.2	0.987	0.751	0.917	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
970	G00B_012_012$_{de}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.018	27.6	−7.7	2.4	8.1	162.2	0.991	0.859	0.959	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
971	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

2−1132331−F0

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$				*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$			
972	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
973	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
974	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
975	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
976	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
977	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
978	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
979	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
980	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
981	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
982	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
983	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
984	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
985	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
986	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
987	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
988	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
989	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
990	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
991	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
992	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
993	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
994	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
995	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
996	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
997	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
998	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
999	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1000	NW_012$_{de}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	33.2	0.0	0.0	0.0	0.885	0.774	0.736	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1001	NW_025$_{de}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	42.1	0.0	0.0	0.0	0.743	0.587	0.55	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1002	NW_037$_{de}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	51.0	0.0	0.0	0.0	0.653	0.473	0.452	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1003	NW_050$_{de}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	60.0	0.0	0.0	0.0	0.54	0.382	0.356	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1004	NW_062$_{de}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	68.9	0.0	0.0	0.0	0.417	0.26	0.26	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1005	NW_075$_{de}$	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	0.299	0.181	0.177	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1006	NW_087$_{de}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	86.7	0.0	0.0	0.0	0.162	0.101	0.093	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1007	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1008	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1009	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1010	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1011	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1012	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1013	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1014	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1015	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1016	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1017	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1018	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1019	NW_073$_{de}$	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	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1020	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1021	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1022	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1023	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1024	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1025	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1026	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1027	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1028	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1029	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1030	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1031	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1032	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1033	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1034	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1035	NW_073$_{de}$	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	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1036	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1037	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1038	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1039	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1040	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1041	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1042	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1043	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1044	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1045	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1046	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1047	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1048	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1049	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1050	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1051	NW_073$_{de}$	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	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1052	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1132431−F0

n	HIC*$_{Fde}$	*rgb*$_{Fde}$			*ict*$_{Fde}$			h_{si_Fde}	*rgb**$_{Fde}$			*LabCh**$_{Fde}$					*cmyn**$_{sep,Fde}$				$h_{siM,de}$	*rgb**$_{Mde}$			*LabCh**$_{Mde}$				
1053	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1054	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1055	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1056	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1057	NW_006$_{de}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	29.0	0.0	0.0	0.0	0.0	0.935	0.855	0.825	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1058	NW_013$_{de}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	33.8	0.0	0.0	0.0	0.0	0.879	0.763	0.725	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1059	NW_020$_{de}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	38.6	0.0	0.0	0.0	0.0	0.799	0.661	0.614	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1060	NW_026$_{de}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	43.3	0.0	0.0	0.0	0.0	0.731	0.571	0.537	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1061	NW_033$_{de}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	48.1	0.0	0.0	0.0	0.0	0.682	0.507	0.485	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1062	NW_040$_{de}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	52.8	0.0	0.0	0.0	0.0	0.636	0.454	0.433	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1063	NW_046$_{de}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	57.5	0.0	0.0	0.0	0.0	0.574	0.404	0.381	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1064	NW_053$_{de}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	62.3	0.0	0.0	0.0	0.0	0.509	0.354	0.33	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1065	NW_060$_{de}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	67.1	0.0	0.0	0.0	0.0	0.442	0.285	0.278	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1066	NW_066$_{de}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	71.8	0.0	0.0	0.0	0.0	0.377	0.228	0.228	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1067	NW_073$_{de}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	76.6	0.0	0.0	0.0	0.0	0.314	0.191	0.186	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1068	NW_080$_{de}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	81.3	0.0	0.0	0.0	0.0	0.252	0.153	0.146	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1069	NW_086$_{de}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	86.0	0.0	0.0	0.0	0.0	0.173	0.108	0.099	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1070	NW_093$_{de}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.8	0.0	0.0	0.0	0.0	0.09	0.054	0.05	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1071	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1072	NW_000$_{de}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	24.3	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1073	NW_100$_{de}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.6	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{de}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4	0.0	1.0	0.744	0.0	375	1.0	0.0	0.254	45.6	72.2	34.4	80.0	25.4
1075	G50B_100_100$_{de}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9	1.0	0.0	0.253	0.0	195	0.0	1.0	0.747	55.0	−36.2	−27.2	45.3	216.9
1076	Y00G_100_100$_{de}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3	0.0	0.121	1.0	0.0	83	1.0	0.878	0.0	83.6	−3.6	90.4	90.4	92.3
1077	B00R_100_100$_{de}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7	1.0	0.539	0.0	0.0	242	0.0	0.458	1.0	40.2	1.2	−40.6	40.6	271.7
1078	G00B_100_100$_{de}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2	1.0	0.0	0.847	0.0	158	0.0	1.0	0.151	50.6	−62.1	19.9	65.2	162.2
1079	B50R_100_100$_{de}$	1.0	0.0	1.0	1.0	1.0	0.5	330	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6	0.677	0.999	0.0	0.0	288	0.321	0.0	1.0	31.1	47.7	−29.1	55.9	328.6

delta

gráfico TUB-PS58; tonos rojo − verde
colores y differencia en color, $\Delta E'$*, 3D=1, de=1, *cmy0**

entrada: *rgb/cmyk* −> *rgb*$_{de}$
salida: 3D-linealización a *cmy0**$_{de}$

2−1132531−F0