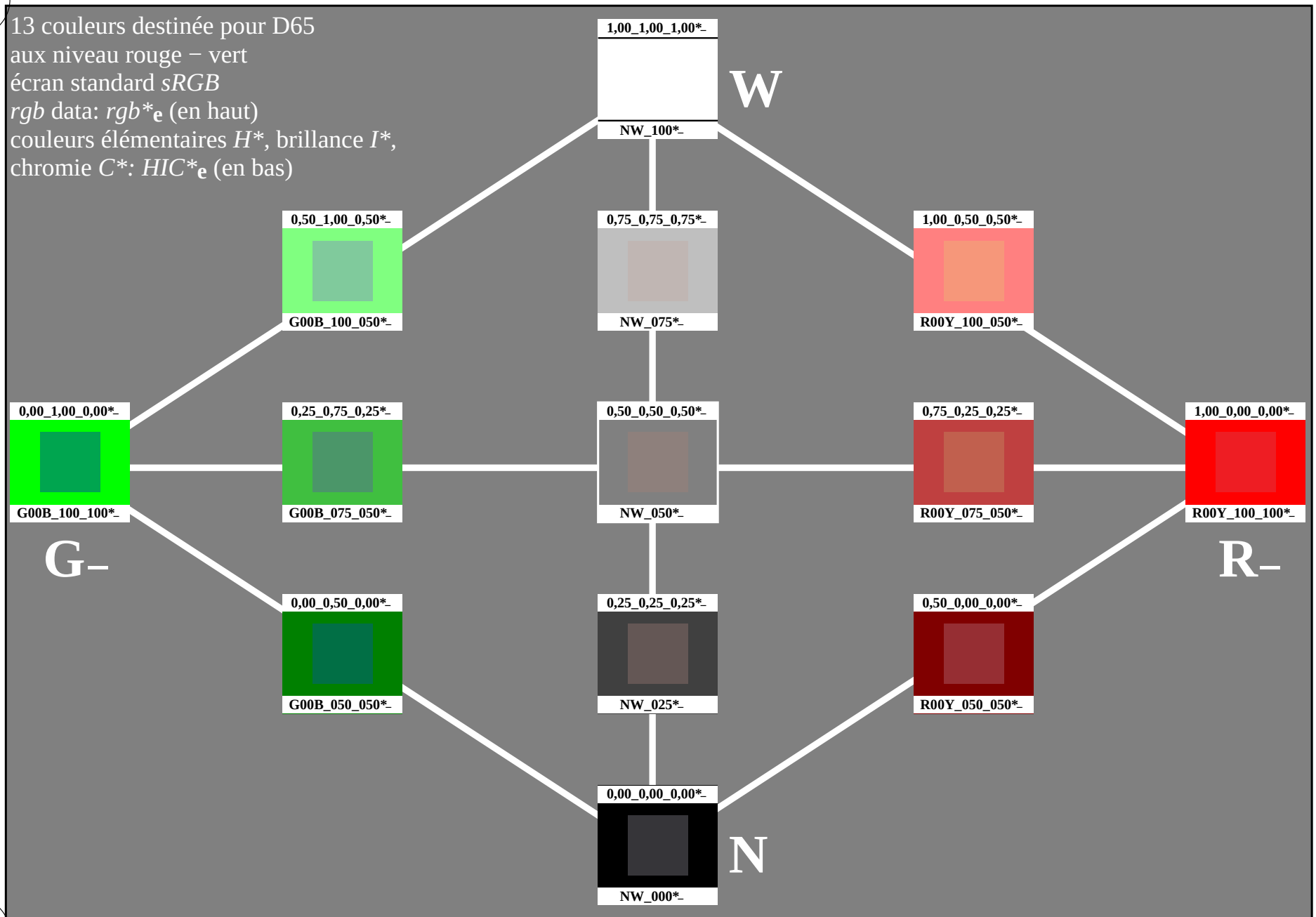
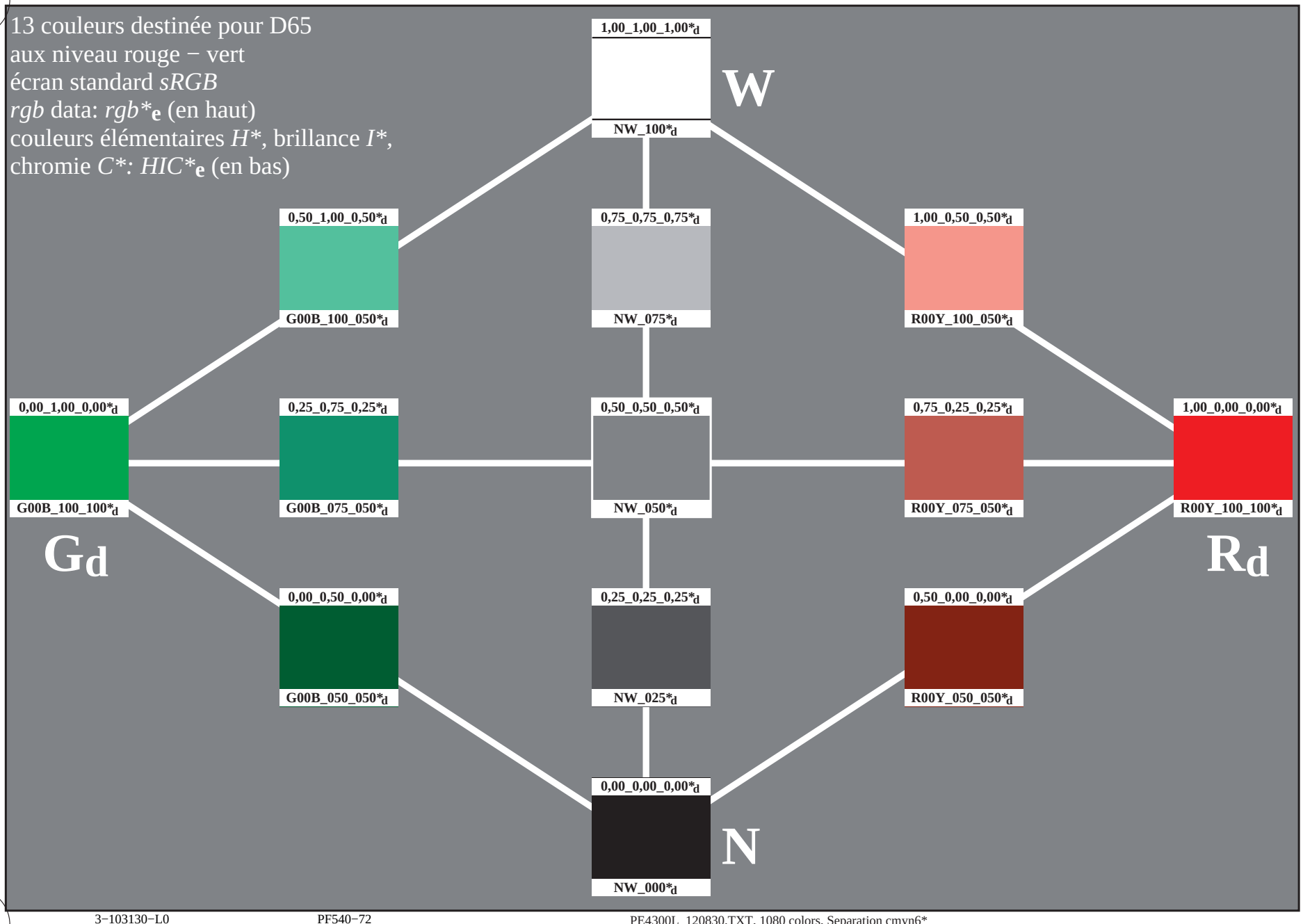
13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**$_{\mathbf{e}}$ (en bas)



13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**$_{\mathbf{e}}$ (en bas)



voir fichiers similaires: http://130.149.60.45/~farbmetrik/PF54/PF54.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

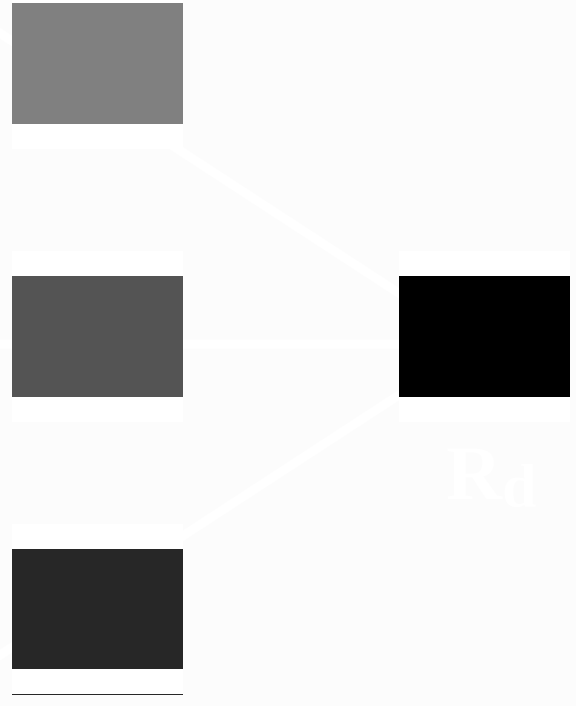
TUB enregistrement: 20130201-PF54/PF54L0FA.TXT /.PS
application pour la mesure des sorties sur offset, séparation cmyn6* (CMYK)
TUB matériel: code=rha4ta

13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: rgb^*_e (en haut)
couleurs élémentaires H^*, brillance I^*,
chromie C^*; HIC^*_e (en bas)

voir fichiers similaires: http://130.149.60.45/~farbmetrik/PF54/PF54.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-PF54/PF54L0FA.TXT /.PS TUB matériel: code=rha4ta
application pour la mesure des sorties sur offset, séparation cmyn6* (CMYK)

13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: rgb^*_8 (en haut)
couleurs élementaires H^*, brillance I^*,
chromie C^*; HC^*_8 (en bas)



TUB enregistrement: 20130201-PF54/PF54L0FA.TXT /.PS TUB matériel: code=rha4ta
application pour la mesure des sorties sur offset, séparation cmyn6* (CMYK)

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informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

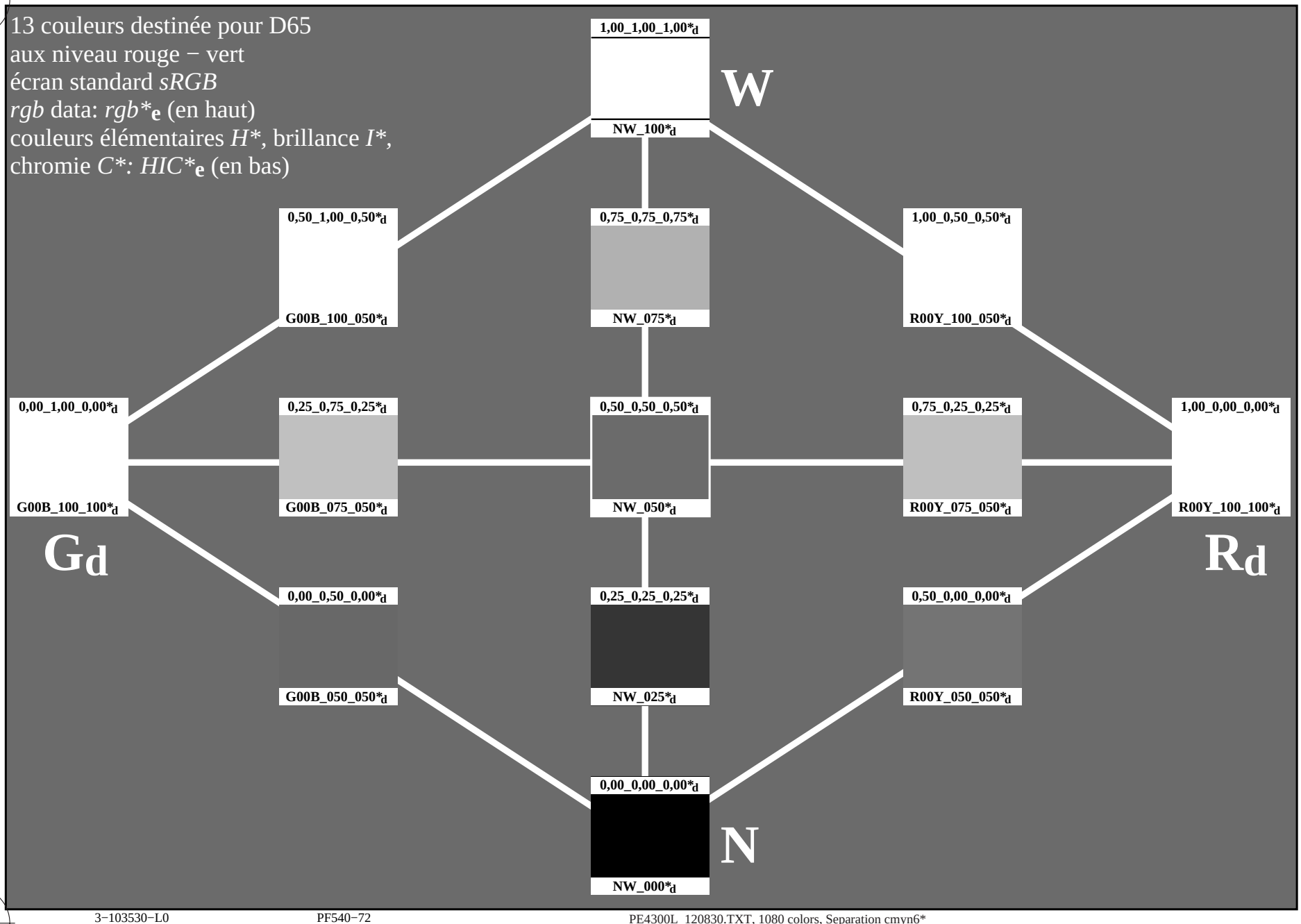
3−103430−L0 PF540−72 PE4300L_120830.TXT, 1080 colors, Separation cmyn6*

graphique TUB-PF54; teintes rouges − verdes
13 couleur de norme pour D65, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> rgb_{dd}
sortie : linéarisation 3D selon $cmyk^*_{dd}$

3−103430−F0

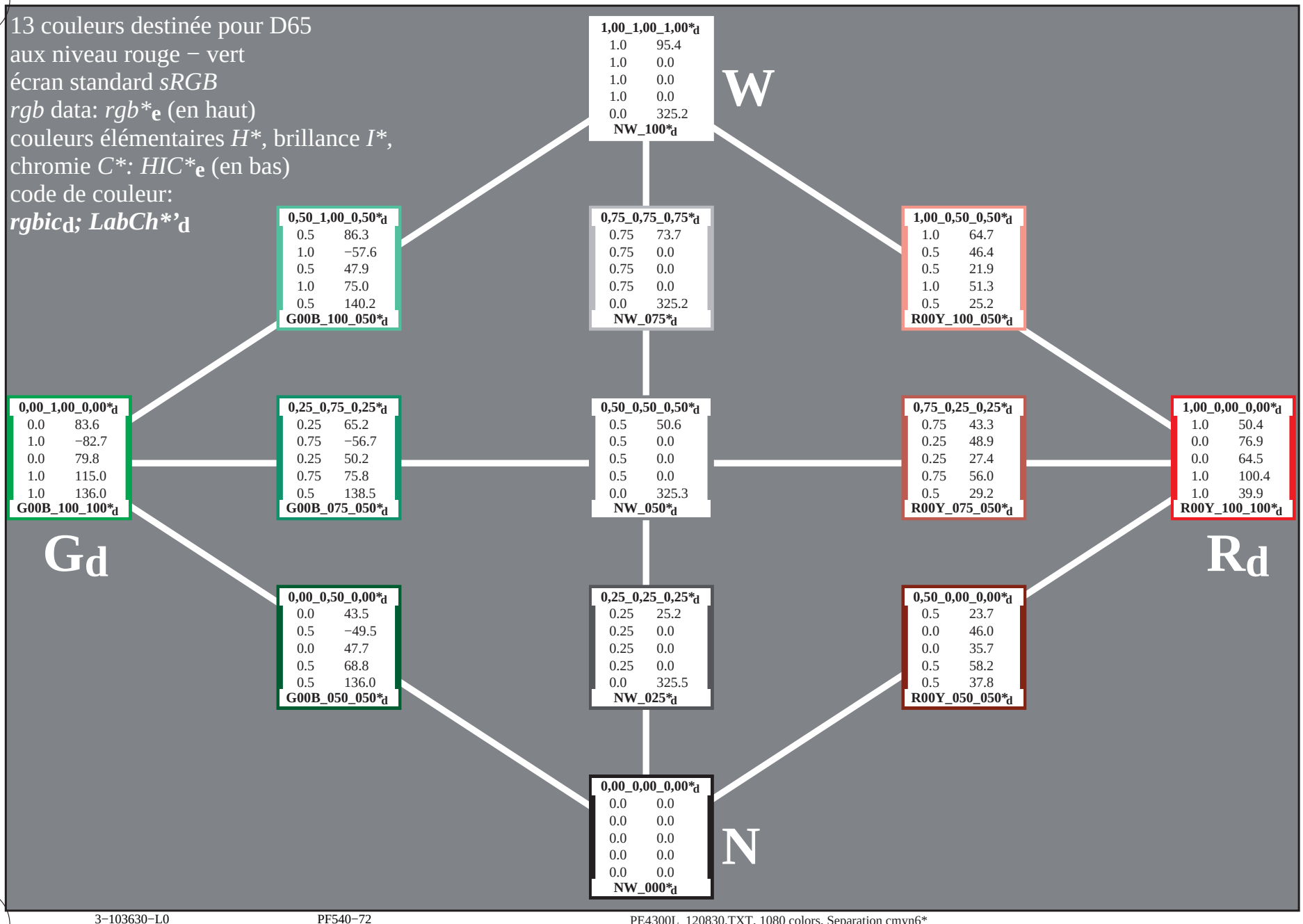
13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**$_{\mathbf{e}}$ (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**$_{\mathbf{e}}$ (en bas)



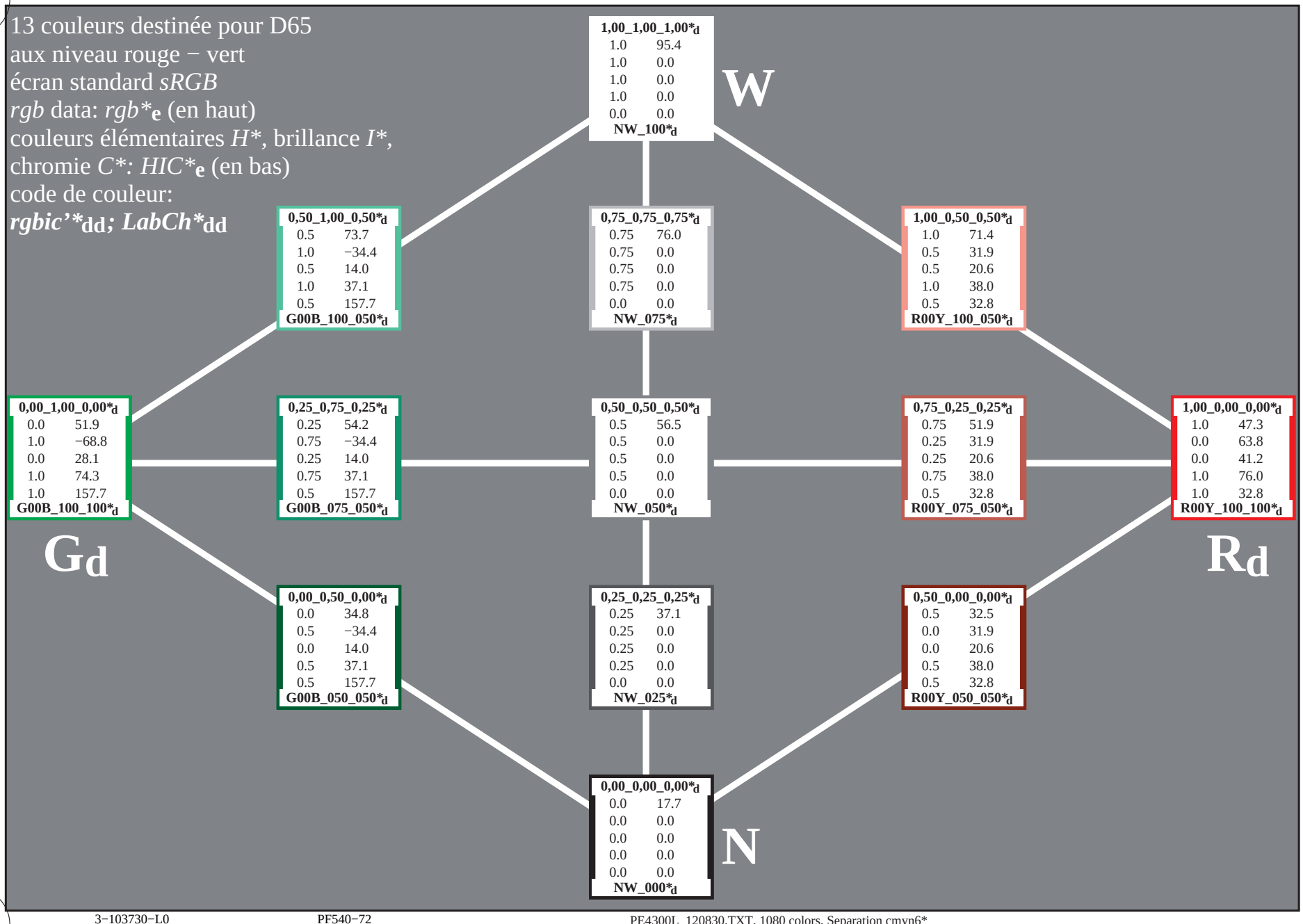
voir fichiers similaires: http://130.149.60.45/~farbmetrik/PF54/PF54.HTM
informations techniques: http://www.ps.bam.de ou http://130.149.60.45/~farbmetrik

TUB enregistrement: 20130201-PF54/PF54L0FA.TXT /.PS
application pour la mesure des sorties sur offset, séparation cmyn6* (CMYK)
TUB matériel: code=rha4ta

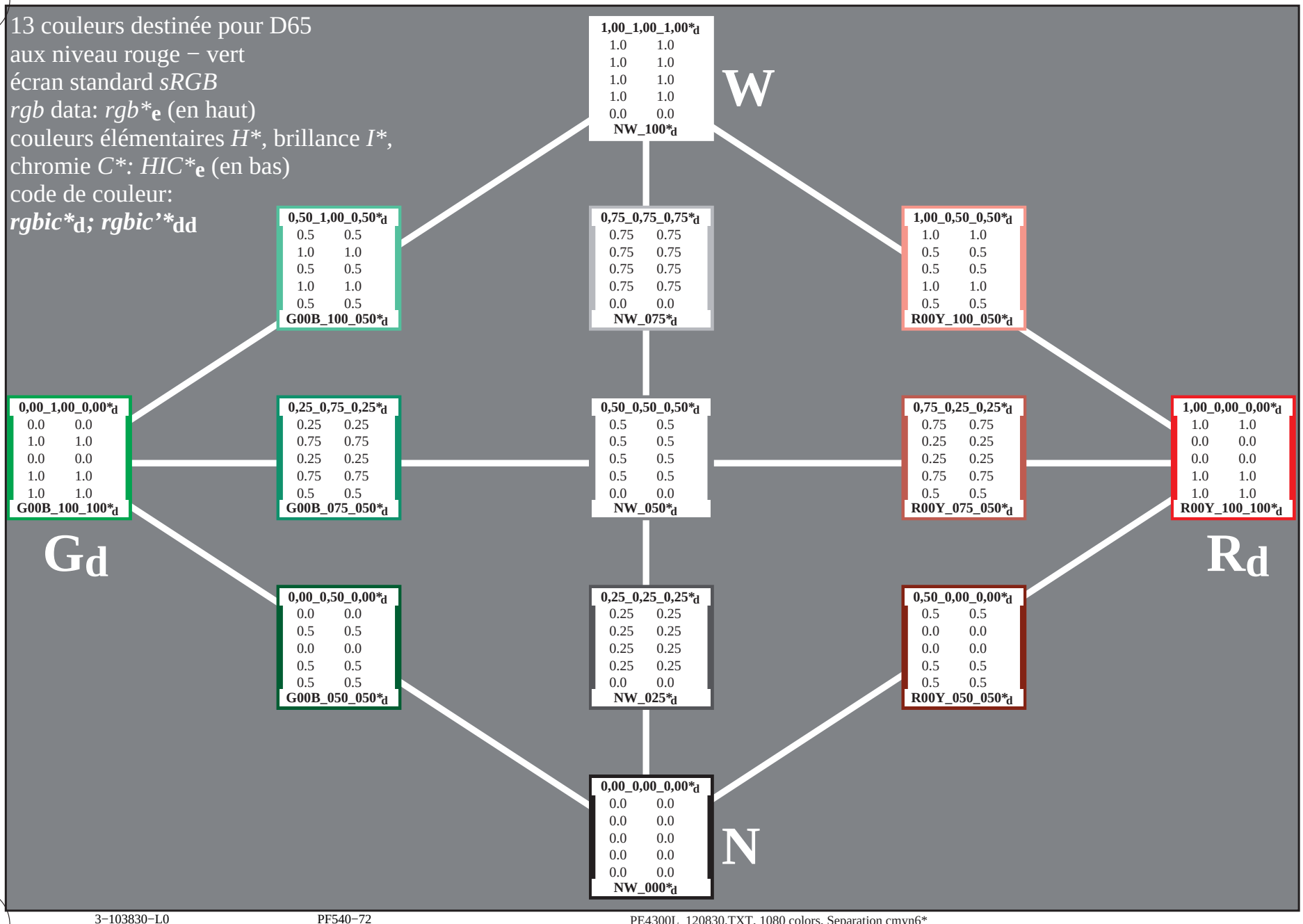
13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**$_{e}$ (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**$_{e}$ (en bas)
code de couleur:
***rgbic*$_{d}$*; LabCh*'*$_{d}$



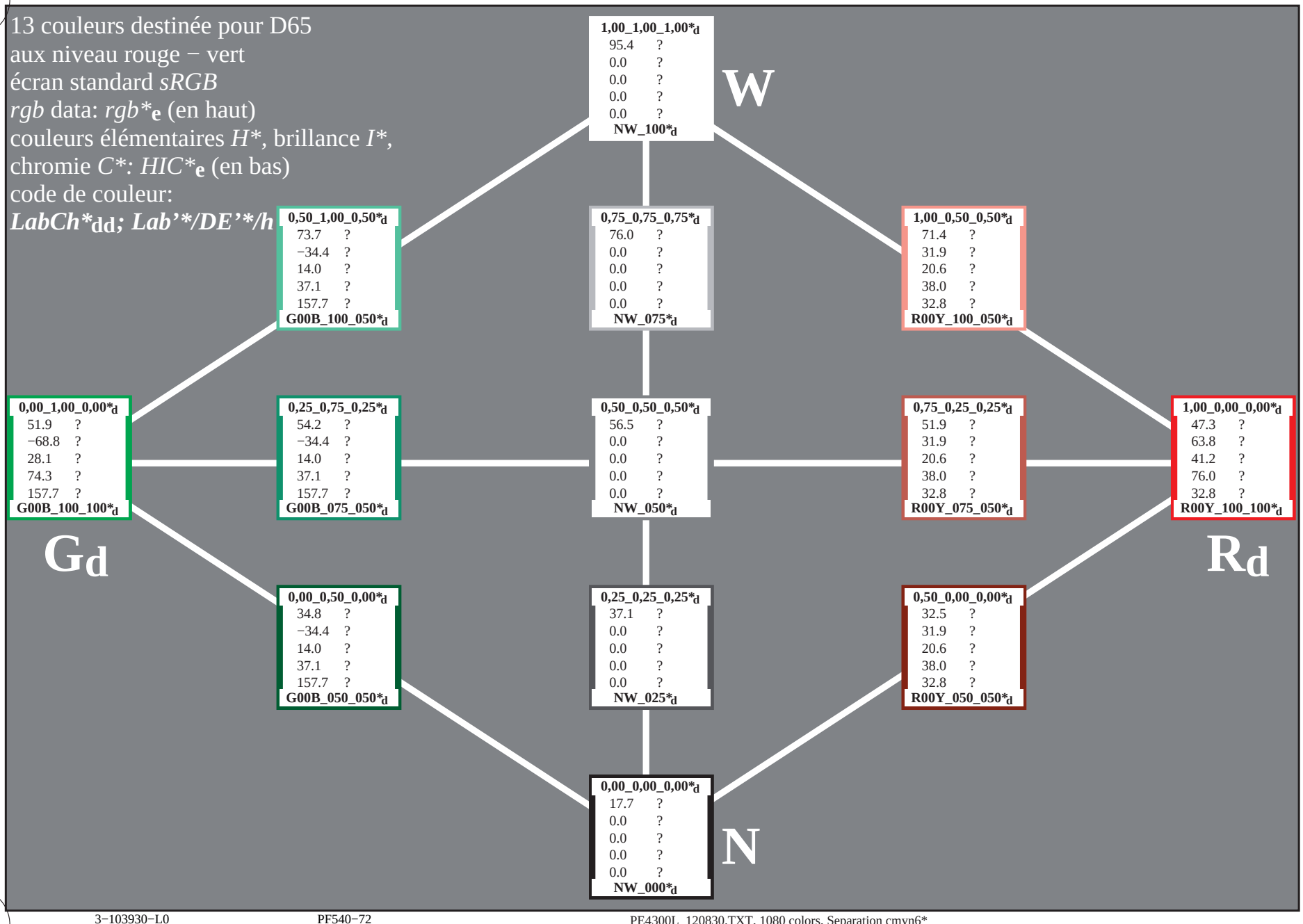
13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**$_{e}$ (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**$_{e}$ (en bas)
code de couleur:
***rgbic'**$_{dd}$; *LabCh**$_{dd}$**



13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**e (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**e (en bas)
code de couleur:
rgbic**d; rgbic'*dd



13 couleurs destinée pour D65
aux niveau rouge − vert
écran standard *sRGB*
rgb data: *rgb**$_{e}$ (en haut)
couleurs élémentaires *H**, brillance *I**,
chromie *C*: HIC**$_{e}$ (en bas)
code de couleur:
LabCh**$_{dd}$; Lab'*/DE'*/h



n/j	**HIC*$_{Fdd}$**	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
0/648	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1/657	R13Y_100_100$_{dd}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9	0.0	0.882	1.0	0.0	36	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9
2/666	R25Y_100_100$_{dd}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7	0.0	0.765	1.0	0.0	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
3/675	R38Y_100_100$_{dd}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4	0.0	0.631	1.0	0.0	51	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4
4/684	R50Y_100_100$_{dd}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	0.0	0.498	0.999	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
5/693	R63Y_100_100$_{dd}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2	0.0	0.368	1.0	0.0	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2
6/702	R75Y_100_100$_{dd}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2	0.0	0.234	1.0	0.0	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
7/711	R88Y_100_100$_{dd}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8	0.0	0.117	1.0	0.0	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8
8/720	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	0.0	0.999	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
9/639	Y13G_100_100$_{dd}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1	0.117	0.0	1.0	0.0	96	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1
10/558	Y25G_100_100$_{dd}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9	0.234	0.0	1.0	0.0	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
11/477	Y38G_100_100$_{dd}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9	0.368	0.0	1.0	0.0	111	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9
12/396	Y50G_100_100$_{dd}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.498	0.0	0.999	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
13/315	Y63G_100_100$_{dd}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2	0.632	0.0	1.0	0.0	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2
14/234	Y75G_100_100$_{dd}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2	0.766	0.0	1.0	0.0	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
15/153	Y88G_100_100$_{dd}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5	0.882	0.0	1.0	0.0	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5
16/72	G00C_100_100$_{dd}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.999	0.0	1.0	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
17/73	G13C_100_100$_{dd}$	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3	1.0	0.0	0.882	0.0	156	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3
18/74	G25C_100_100$_{dd}$	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0	1.0	0.0	0.765	0.0	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
19/75	G38C_100_100$_{dd}$	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4	1.0	0.0	0.631	0.0	171	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4
20/76	G50C_100_100$_{dd}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	1.0	0.0	0.498	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
21/77	G63C_100_100$_{dd}$	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7	1.0	0.0	0.367	0.0	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7
22/78	G75C_100_100$_{dd}$	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6	1.0	0.0	0.233	0.0	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
23/79	G88C_100_100$_{dd}$	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9	1.0	0.0	0.116	0.0	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9
24/80	C00B_100_100$_{dd}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.999	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
25/71	C13B_100_100$_{dd}$	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0	0.999	0.117	0.0	0.0	216	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0
26/62	C25B_100_100$_{dd}$	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1	0.999	0.235	0.0	0.0	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
27/53	C38B_100_100$_{dd}$	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1	0.999	0.367	0.0	0.0	231	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1
28/44	C50B_100_100$_{dd}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.999	0.498	0.0	0.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
29/35	C63B_100_100$_{dd}$	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3	1.0	0.631	0.0	0.0	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3
30/26	C75B_100_100$_{dd}$	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8	1.0	0.765	0.0	0.0	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
31/17	C88B_100_100$_{dd}$	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7	1.0	0.882	0.0	0.0	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7
32/8	B00M_100_100$_{dd}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	1.0	1.0	0.0	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
33/89	B13M_100_100$_{dd}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0	0.882	1.0	0.0	0.0	276	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0
34/170	B25M_100_100$_{dd}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9	0.765	1.0	0.0	0.0	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
35/251	B38M_100_100$_{dd}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8	0.631	1.0	0.0	0.0	291	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8
36/332	B50M_100_100$_{dd}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.5	1.0	0.0	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
37/413	B63M_100_100$_{dd}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1	0.367	1.0	0.0	0.0	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1
38/494	B75M_100_100$_{dd}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6	0.234	0.999	0.0	0.0	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
39/575	B88M_100_100$_{dd}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4	0.117	1.0	0.0	0.0	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4
40/656	M00R_100_100$_{dd}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	1.0	0.0	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
41/655	M13R_100_100$_{dd}$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3	0.0	0.999	0.117	0.0	336	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3
42/654	M25R_100_100$_{dd}$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8	0.0	1.0	0.234	0.0	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
43/653	M38R_100_100$_{dd}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5	0.0	1.0	0.368	0.0	351	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5
44/652	M50R_100_100$_{dd}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	0.0	1.0	0.5	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
45/651	M63R_100_100$_{dd}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6	0.0	1.0	0.631	0.0	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6
46/650	M75R_100_100$_{dd}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5	0.0	1.0	0.765	0.0	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
47/649	M88R_100_100$_{dd}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9	0.0	1.0	0.882	0.0	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9
48/648	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
49/0	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/91	NW_013$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/182	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.031	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/273	NW_038$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.034	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/364	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.026	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
54/455	NW_063$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
55/546	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.018	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
56/637	NW_088$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.023	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
57/728	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031030−F0

n/j	**HIC*$_{Fdd}$**	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			*h*$_{si\_Fdd}$	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				*h*$_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
0/648	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1/666	R25Y_100_100$_{dd}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7	0.0	0.765	1.0	0.0	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
2/684	R50Y_100_100$_{dd}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	0.0	0.498	0.999	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
3/702	R75Y_100_100$_{dd}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2	0.0	0.234	1.0	0.0	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
4/720	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	0.0	0.999	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
5/558	Y25G_100_100$_{dd}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9	0.234	0.0	1.0	0.0	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
6/396	Y50G_100_100$_{dd}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.498	0.0	0.999	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
7/234	Y75G_100_100$_{dd}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2	0.766	0.0	1.0	0.0	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
8/72	G00B_100_100$_{dd}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.999	0.0	1.0	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
9/72	G00B_100_100$_{dd}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.999	0.0	1.0	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
10/76	G25B_100_100$_{dd}$	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	1.0	0.0	0.498	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
11/80	G50B_100_100$_{dd}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.999	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
12/44	G75B_100_100$_{dd}$	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.999	0.498	0.0	0.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
13/8	B00R_100_100$_{dd}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	1.0	1.0	0.0	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
14/332	B25R_100_100$_{dd}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.5	1.0	0.0	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
15/656	B50R_100_100$_{dd}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	1.0	0.0	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
16/652	B75R_100_100$_{dd}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	0.0	1.0	0.5	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
17/648	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
18/688	R00Y_100_050$_{dd}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	0.0	0.5	0.375	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
19/706	R50Y_100_050$_{dd}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	81.3	11.3	33.8	35.6	71.4	0.0	0.251	0.498	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
20/724	Y00G_100_050$_{dd}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.9	−5.9	47.5	47.9	97.1	0.0	0.021	0.53	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
21/562	Y50G_100_050$_{dd}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	84.1	−15.6	33.0	36.5	115.3	0.258	0.0	0.536	0.018	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
22/400	G00B_100_050$_{dd}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	73.7	−34.4	14.0	37.1	157.7	0.634	0.0	0.498	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
23/404	G50B_100_050$_{dd}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.9	−14.6	−21.8	26.3	236.1	0.597	0.0	0.004	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
24/368	B00R_100_050$_{dd}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.4	11.7	−23.6	26.4	296.4	0.54	0.457	0.0	0.008	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
25/692	B50R_100_050$_{dd}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	71.8	36.4	−4.2	36.6	353.3	0.0	0.538	0.009	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
26/688	R00Y_100_050$_{dd}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	0.0	0.5	0.375	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
27/506	R00Y_075_050$_{dd}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.0	0.672	0.561	0.252	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
28/524	R50Y_075_050$_{dd}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	61.9	11.3	33.8	35.6	71.4	0.0	0.389	0.66	0.274	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
29/542	Y00G_075_050$_{dd}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−5.9	47.5	47.9	97.1	0.0	0.089	0.714	0.276	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
30/380	Y50G_075_050$_{dd}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	64.6	−15.6	33.0	36.5	115.3	0.303	0.0	0.66	0.332	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
31/218	G00B_075_050$_{dd}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	54.2	−34.4	14.0	37.1	157.7	0.768	0.0	0.632	0.248	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
32/222	G50B_075_050$_{dd}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	57.4	−14.6	−21.8	26.3	236.1	0.689	0.03	0.0	0.302	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
33/186	B00R_075_050$_{dd}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	40.9	11.7	−23.6	26.4	296.4	0.65	0.626	0.0	0.324	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
34/510	B50R_075_050$_{dd}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.4	36.4	−4.2	36.6	353.3	0.0	0.678	0.084	0.274	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
35/506	R00Y_075_050$_{dd}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.0	0.672	0.561	0.252	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
36/324	R00Y_050_050$_{dd}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.0	0.845	0.803	0.544	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
37/342	R50Y_050_050$_{dd}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	42.4	11.3	33.8	35.6	71.4	0.0	0.504	0.84	0.554	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
38/360	Y00G_050_050$_{dd}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	53.0	−5.9	47.5	47.9	97.1	0.0	0.204	0.868	0.498	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
39/198	Y50G_050_050$_{dd}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	45.2	−15.6	33.0	36.5	115.3	0.314	0.0	0.818	0.592	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
40/36	G00B_050_050$_{dd}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	34.8	−34.4	14.0	37.1	157.7	0.818	0.0	0.818	0.591	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
41/40	G50B_050_050$_{dd}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.0	−14.6	−21.8	26.3	236.1	0.807	0.052	0.0	0.61	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
42/4	B00R_050_050$_{dd}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	21.5	11.7	−23.6	26.4	296.4	0.812	0.802	0.0	0.601	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
43/328	B50R_050_050$_{dd}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	32.9	36.4	−4.2	36.6	353.3	0.0	0.837	0.118	0.559	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
44/324	R00Y_050_050$_{dd}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.0	0.845	0.803	0.544	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
45/0	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
46/91	NW_013$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
47/182	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.031	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
48/273	NW_038$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.034	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
49/364	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.026	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
50/455	NW_063$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
51/546	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.018	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
52/637	NW_088$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.023	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
53/728	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**
entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031130−F0

n=j	HIC*Fdd	rgb_Fdd			ict_Fdd			hsi_F,dd	rgb*Fdd			LabCh*Fdd				cmyn*sep,Fdd				hsiM,dd	rgb*Mdd			LabCh*Mdd			
0	NW_000dd	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0
1	B00R_012_012dd	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	18.6	2.9	−5.9	6.6	296.4	0.431	0.429	0.0	0.896	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
2	B00R_025_025dd	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	19.6	5.8	−11.8	13.2	296.4	0.608	0.608	0.0	0.808	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
3	B00R_037_037dd	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	20.5	8.8	−17.7	19.8	296.4	0.723	0.723	0.0	0.714	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
4	B00R_050_050dd	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	21.5	11.7	−23.6	26.4	296.4	0.812	0.802	0.0	0.601	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
5	B00R_062_062dd	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	22.4	14.6	−29.5	33.0	296.4	0.878	0.849	0.0	0.474	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
6	B00R_075_075dd	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	23.4	17.6	−35.5	39.6	296.4	0.925	0.904	0.0	0.344	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
7	B00R_087_087dd	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	24.3	20.5	−41.4	46.2	296.4	0.964	0.945	0.0	0.193	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
8	B00R_100_100dd	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	1.0	1.0	0.0	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
9	G00B_012_012dd	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	21.9	−8.6	3.5	9.2	157.7	0.483	0.0	0.483	0.875	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
10	G50B_012_012dd	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	22.7	−3.6	−5.4	6.5	236.1	0.466	0.035	0.0	0.882	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
11	G75B_025_025dd	0.0	0.125	0.25	0.25	0.25	0.125	240	0.0	0.125	0.25	23.9	−1.5	−11.2	11.3	262.3	0.613	0.329	0.0	0.805	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
12	G84B_037_037dd	0.0	0.125	0.375	0.375	0.375	0.187	251	0.0	0.118	0.375	24.4	1.9	−17.2	17.3	276.3	0.722	0.545	0.0	0.715	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
13	G88B_050_050dd	0.0	0.125	0.5	0.5	0.5	0.25	256	0.0	0.116	0.5	25.2	5.2	−23.1	23.7	282.8	0.813	0.65	0.0	0.6	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
14	G90B_062_062dd	0.0	0.125	0.625	0.625	0.625	0.312	259	0.0	0.114	0.625	25.9	8.5	−29.1	30.4	286.2	0.881	0.721	0.0	0.467	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
15	G92B_075_075dd	0.0	0.125	0.75	0.75	0.75	0.375	261	0.0	0.112	0.75	26.5	11.8	−35.1	37.1	288.6	0.928	0.785	0.0	0.334	262	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288.6
16	G93B_087_087dd	0.0	0.125	0.875	0.875	0.875	0.437	262	0.0	0.116	0.875	27.5	14.7	−41.0	43.6	289.7	0.966	0.816	0.0	0.187	262	0.0	0.133	1.0	28.9	16.8	−46.9	49.9	289.7
17	G94B_100_100dd	0.0	0.125	1.0	1.0	1.0	0.5	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7	1.0	0.882	0.0	0.0	263	0.0	0.116	1.0	28.3	17.8	−47.0	50.3	290.7
18	G00B_025_025dd	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	26.2	−17.2	7.0	18.5	157.7	0.614	0.0	0.614	0.804	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
19	G25B_025_025dd	0.0	0.25	0.125	0.25	0.25	0.125	180	0.0	0.25	0.125	26.9	−12.7	−3.0	13.1	193.5	0.61	0.0	0.335	0.806	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
20	G50B_025_025dd	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	27.8	−7.3	−10.9	13.1	236.1	0.614	0.085	0.0	0.804	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
21	G65B_037_037dd	0.0	0.25	0.375	0.375	0.375	0.187	229	0.0	0.256	0.375	29.6	−6.2	−16.6	17.7	249.4	0.718	0.273	0.0	0.719	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
22	G75B_050_050dd	0.0	0.25	0.5	0.5	0.5	0.25	240	0.0	0.25	0.5	30.2	−3.0	−22.5	22.7	262.3	0.807	0.448	0.0	0.609	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
23	G80B_062_062dd	0.0	0.25	0.625	0.625	0.625	0.312	247	0.0	0.239	0.625	30.5	0.5	−28.4	28.4	271.0	0.876	0.559	0.0	0.479	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
24	G84B_075_075dd	0.0	0.25	0.75	0.75	0.75	0.375	251	0.0	0.237	0.75	31.2	3.8	−34.4	34.6	276.3	0.925	0.634	0.0	0.345	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
25	G86B_087_087dd	0.0	0.25	0.875	0.875	0.875	0.437	254	0.0	0.233	0.875	31.9	7.3	−40.2	40.9	280.3	0.964	0.693	0.0	0.194	255	0.0	0.266	1.0	33.9	8.3	−46.0	46.7	280.3
26	G88B_100_100dd	0.0	0.25	1.0	1.0	1.0	0.5	256	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8	1.0	0.765	0.0	0.0	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
27	G00B_037_037dd	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	30.5	−25.8	10.5	27.8	157.7	0.72	0.0	0.72	0.717	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
28	G15B_037_037dd	0.0	0.375	0.125	0.375	0.375	0.187	169	0.0	0.375	0.118	31.2	−22.3	1.4	22.3	176.3	0.797	0.0	0.531	0.625	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
29	G34B_037_037dd	0.0	0.375	0.25	0.375	0.375	0.187	191	0.0	0.375	0.256	32.1	−15.9	−9.8	18.7	211.7	0.701	0.0	0.257	0.736	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
30	G50B_037_037dd	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	32.9	−10.9	−16.4	19.7	236.1	0.707	0.048	0.0	0.73	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
31	G61B_050_050dd	0.0	0.375	0.5	0.5	0.5	0.25	224	0.0	0.383	0.5	34.9	−10.2	−22.0	24.3	245.1	0.798	0.25	0.0	0.623	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
32	G69B_062_062dd	0.0	0.375	0.625	0.625	0.625	0.312	233	0.0	0.385	0.625	36.2	−8.3	−27.8	29.0	253.2	0.875	0.359	0.0	0.482	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
33	G75B_075_075dd	0.0	0.375	0.75	0.75	0.75	0.375	240	0.0	0.375	0.75	36.5	−4.5	−33.7	34.0	262.3	0.926	0.48	0.0	0.343	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
34	G79B_087_087dd	0.0	0.375	0.875	0.875	0.875	0.437	245	0.0	0.364	0.875	36.8	−0.9	−39.7	39.7	268.5	0.965	0.561	0.0	0.191	245	0.0	0.416	1.0	39.5	−1.1	−45.4	45.4	268.5
35	G81B_100_100dd	0.0	0.375	1.0	1.0	1.0	0.5	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3	1.0	0.631	0.0	0.0	248	0.0	0.366	1.0	37.6	1.8	−45.5	45.5	272.3
36	G00B_050_050dd	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	34.8	−34.4	14.0	37.1	157.7	0.818	0.0	0.818	0.591	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
37	G11B_050_050dd	0.0	0.5	0.125	0.5	0.5	0.25	164	0.0	0.5	0.116	35.4	−31.3	5.5	31.8	170.0	0.867	0.0	0.65	0.5	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
38	G25B_050_050dd	0.0	0.5	0.25	0.5	0.5	0.25	180	0.0	0.5	0.25	36.2	−25.5	−6.1	26.2	193.5	0.811	0.0	0.44	0.602	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
39	G38B_050_050dd	0.0	0.5	0.375	0.5	0.5	0.25	196	0.0	0.5	0.383	37.2	−19.2	−15.8	24.9	219.6	0.802	0.0	0.191	0.616	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
40	G50B_050_050dd	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.0	−14.6	−21.8	26.3	236.1	0.807	0.052	0.0	0.61	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
41	G59B_062_062dd	0.0	0.5	0.625	0.625	0.625	0.312	221	0.0	0.51	0.625	40.1	−14.0	−27.5	30.9	242.9	0.88	0.201	0.0	0.47	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
42	G65B_075_075dd	0.0	0.5	0.75	0.75	0.75	0.375	229	0.0	0.512	0.75	41.6	−12.4	−33.2	35.5	249.4	0.929	0.315	0.0	0.332	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
43	G70B_087_087dd	0.0	0.5	0.875	0.875	0.875	0.437	235	0.0	0.51	0.875	42.5	−9.8	−39.1	40.4	255.8	0.966	0.414	0.0	0.185	234	0.0	0.583	1.0	46.1	−11.3	−44.7	46.1	255.8
44	G75B_100_100dd	0.0	0.5	1.0	1.0	1.0	0.5	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3	0.999	0.498	0.0	0.0	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
45	G00B_062_062dd	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	39.1	−43.0	17.5	46.4	157.7	0.887	0.0	0.885	0.453	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
46	G09B_062_062dd	0.0	0.625	0.125	0.625	0.625	0.312	161	0.0	0.625	0.114	39.7	−40.3	9.2	41.3	167.1	0.888	0.0	0.684	0.452	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
47	G19B_062_062dd	0.0	0.625	0.25	0.625	0.625	0.312	173	0.0	0.625	0.239	40.4	−35.4	−1.1	35.4	181.9	0.916	0.0	0.549	0.375	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
48	G30B_062_062dd	0.0	0.625	0.375	0.625	0.625	0.312	187	0.0	0.625	0.385	41.4	−28.4	−13.3	31.4	205.1	0.879	0.0	0.35	0.472	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
49	G40B_062_062dd	0.0	0.625	0.5	0.625	0.625	0.312	199	0.0	0.625	0.51	42.3	−22.9	−21.4	31.4	223.1	0.876	0.0	0.153	0.48	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
50	G50B_062_062dd	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	43.1	−18.3	−27.3	32.9	236.1	0.884	0.054	0.0	0.462	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
51	G57B_075_075dd	0.0	0.625	0.75	0.75	0.75	0.375	219	0.0	0.637	0.75	45.3	−17.9	−33.0	37.5	241.4	0.931	0.17	0.0	0.324	217	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241.4
52	G63B_087_087dd	0.0	0.625	0.875	0.875	0.875	0.437	226	0.0	0.641	0.875	47.0	−16.6	−38.7	42.1	246.7	0.967	0.278	0.0	0.18	224	0.0	0.733	1.0	51.2	−18.9	−44.2	48.1	246.7
53	G68B_100_100dd	0.0	0.625	1.0	1.0	1.0	0.5	232	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1	0.999	0.367	0.0	0.0	231	0.0	0.633	1.0	48.0	−14.3	−44.4	46.6	252.1
54	G00B_075_075dd	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	43.3	−51.6	21.0	55.7	157.7	0.934	0.0	0.931	0.313	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
55	G07B_075_075dd	0.0	0.75	0.125	0.75	0.75	0.375	159	0.0	0.75	0.112	43.9	−49.2	13.0	50.9	165.1	0.951	0.0	0.793	0.25	157	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165.1
56	G15B_075_075dd	0.0	0.75	0.25	0.75	0.75	0.375	169	0.0	0.75	0.237	44.7	−44.6	2.8	44.7	176.3	0.951	0.0	0.634	0.25	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
57	G25B_075_075dd	0.0	0.75	0.375	0.75	0.75	0.375	180	0.0	0.75	0.375	45.5	−38.3	−9.2	39.4	193.5	0.951	0.0	0.475	0.25	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
58	G34B_075_075dd	0.0	0.75	0.5	0.75	0.75	0.375	191	0.0	0.75	0.512	46.6	−31.8	−19.7	37.4	211.7	0.93	0.0	0.293	0.329	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
59	G42B_075_075dd	0.0	0.75	0.625	0.75	0.75	0.375	201	0.0	0.75	0.637	47.4	−26.5	−27.0	37.8	225.5	0.929	0.0	0.129	0.332	202	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225.5
60	G50B_075_075dd	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	48.1	−21.9	−32.8	39.4	236.1	0.935	0.057	0.0	0.31	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
61	G56B_087_087dd	0.0	0.75	0.875	0.875	0.875	0.437	218	0.0	0.758	0.875	50.3	−21.5	−38.4	44.1	240.7	0.968	0.148	0.0	0.174	217	0.0	0.866	1.0	55.0	−24.6	−43.9	50.4	240.7
62	G61B_100_100dd	0.0	0.75	1.0	1.0	1.0	0.5	224	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1	0.999	0.235	0.0	0.0	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
63	G00B_087_087dd	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	47.6	−60.2	24.6	65.0	157.7	0.978	0.0	0.974	0.125	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
64	G06B_087_087dd	0.0	0.875	0.125	0.875	0.875	0.437	158	0.0	0.875	0.116	48.2	−57.8	16.3	60.1	164.2	0.978	0.0	0.838	0.125	157	0.0	1.0	0.133	52.6	−66.1	18.6	68.7	164.2
65	G13B_087_087dd	0.0	0.875	0.25	0.875	0.875	0.437	166	0.0	0.875	0.233	48.9	−53.7	7.2	54.2	172.3	0.978	0.0	0.699	0.125	164	0.0	1.0	0.266	53.4	−61.4	8.2	61.9	172.3
66	G20B_087_087dd	0.0	0.875	0.375	0.875	0.875	0.437	175	0.0	0.875	0.364	49.7	−48.3	−4.4	48.5	185.2	0.978	0.0	0.559	0.125	174	0.0	1.0	0.416	54.3	−55.2	−5.0	55.5	185.2
67	G29B_087_087dd	0.0	0.875	0.5	0.875	0.875	0.437	185	0.0	0.875	0.51	50.7	−41.4	−16.5	44.6	201.8	0.968	0.0	0.409	0.177	185	0.0	1.0	0.583	55.5	−47.3	−18.9	50.9	201.8
68	G36B_087_087dd	0.0	0.875	0.625	0.875	0.875	0.437	194	0.0	0.875	0.641	51.7	−34.9	−26.0	43.5	216.7	0.968	0.0	0.252	0.178	195	0.0	1.0	0.733	56.6	−39.9	−29.8	49.8	216.7
69	G43B_087_087dd	0.0	0.875	0.75	0.875	0.875	0.437	202	0.0	0.875	0.758	52.5	−30.3	−32.2	44.2	226.7	0.967	0.0	0.121	0.179	202	0.0	1.0	0.866	57.5	−34.6	−36.8	50.6	226.7
70	G50B_087_087dd	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	53.2	−25.6	−38.2	46.0	236.1	0.971	0.042	0.0	0.161	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
71	G55B_100_100dd	0.0	0.875	1.0	1.0	1.0	0.5	217	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0	0.999	0.117	0.0	0.0	216	0.0	0.883	1.0	55.4	−25.2	−43.9	50.7	240.0
72	G00B_100_100dd	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.999	0.0	1.0	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
73	G05B_100_100dd	0.0	1.0	0.125	1.0	1.0	0.5	157	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3	1.0	0.0	0.882	0.0	156	0.0	1.0	0.116	52.5	−66.6	19.9	69.5	163.3
74	G11B_100_100dd	0.0	1.0	0.25	1.0	1.0	0.5	164	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0	1.0	0.0	0.765	0.0	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
75	G18B_100_100dd	0.0	1.0	0.375	1.0	1.0	0.5	172	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4	1.0	0.0	0.631	0.0	171	0.0	1.0	0.366	54.0	−57.3	−0.4	57.3	180.4
76	G25B_100_100dd	0.0	1.0	0.5	1.0	1.0	0.5	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5	1.0	0.0	0.498	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
77	G31B_100_100dd	0.0	1.0	0.625	1.0	1.0	0.5	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7	1.0	0.0	0.367	0.0	188	0.0	1.0	0.633	55.8	−44.7	−22.5	50.1	206.7
78	G38B_100_100dd	0.0	1.0	0.75	1.0	1.0	0.5	196	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6	1.0	0.0	0.233	0.0	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
79	G44B_100_100dd	0.0	1.0	0.875	1.0	1.0	0.5	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9	1.0	0.0	0.116	0.0	203	0.0	1.0	0.883	57.6	−34.0	−37.7	50.8	227.9
80	G50B_100_100dd	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.999	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> rgb_{dd}
sortie : linéarisation 3D selon $cmyk^*_{dd}$

3−1031230−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
81	R00Y_012_012$_{dd}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	21.4	7.9	5.1	9.5	32.8	0.0	0.484	0.476	0.874	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
82	B50R_012_012$_{dd}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	21.5	9.1	−1.0	9.1	353.3	0.0	0.484	0.079	0.874	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
83	B25R_025_025$_{dd}$	0.125	0.0	0.25	0.25	0.25	0.125	300	0.125	0.0	0.25	22.7	13.4	−6.5	14.9	333.9	0.212	0.609	0.0	0.807	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
84	B15R_037_037$_{dd}$	0.125	0.0	0.375	0.375	0.375	0.187	289	0.118	0.0	0.375	23.3	15.9	−13.2	20.7	320.2	0.549	0.721	0.0	0.716	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
85	B11R_050_050$_{dd}$	0.125	0.0	0.5	0.5	0.5	0.25	284	0.116	0.0	0.5	24.4	17.8	−19.8	26.6	311.9	0.689	0.814	0.0	0.599	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
86	B09R_062_062$_{dd}$	0.125	0.0	0.625	0.625	0.625	0.312	281	0.114	0.0	0.625	25.6	21.2	−25.6	33.2	309.5	0.752	0.868	0.0	0.47	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
87	B07R_075_075$_{dd}$	0.125	0.0	0.75	0.75	0.75	0.375	279	0.112	0.0	0.75	26.7	24.5	−31.4	39.9	307.9	0.8	0.915	0.0	0.338	278	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307.9
88	B06R_087_087$_{dd}$	0.125	0.0	0.875	0.875	0.875	0.437	278	0.116	0.0	0.875	28.0	28.1	−37.0	46.5	307.1	0.842	0.955	0.0	0.189	277	0.133	0.0	1.0	29.4	32.1	−42.3	53.1	307.1
89	B05R_100_100$_{dd}$	0.125	0.0	1.0	1.0	1.0	0.5	277	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0	0.882	1.0	0.0	0.0	276	0.116	0.0	1.0	29.0	31.2	−42.9	53.1	306.0
90	Y00G_012_012$_{dd}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	26.5	−1.4	11.8	11.9	97.1	0.0	0.057	0.518	0.858	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
91	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
92	B00R_025_012$_{dd}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	28.3	2.9	−5.9	6.6	296.4	0.377	0.382	0.0	0.807	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
93	B00R_037_025$_{dd}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	29.3	5.8	−11.8	13.2	296.4	0.565	0.542	0.0	0.722	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
94	B00R_050_037$_{dd}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	30.2	8.8	−17.7	19.8	296.4	0.684	0.638	0.0	0.608	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
95	B00R_062_050$_{dd}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	31.2	11.7	−23.6	26.4	296.4	0.752	0.697	0.0	0.475	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
96	B00R_075_062$_{dd}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	32.1	14.6	−29.5	33.0	296.4	0.807	0.756	0.0	0.34	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
97	B00R_087_075$_{dd}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	33.1	17.6	−35.5	39.6	296.4	0.851	0.793	0.0	0.196	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
98	B00R_100_087$_{dd}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	34.1	20.5	−41.4	46.2	296.4	0.887	0.837	0.0	0.022	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
99	Y50G_025_025$_{dd}$	0.125	0.25	0.0	0.25	0.25	0.125	120	0.125	0.25	0.0	31.4	−7.8	16.5	18.2	115.3	0.191	0.0	0.597	0.815	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
100	G00B_025_012$_{dd}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	31.7	−8.6	3.5	9.2	157.7	0.476	0.0	0.412	0.793	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
101	G50B_025_012$_{dd}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	32.5	−3.6	−5.4	6.5	236.1	0.433	0.057	0.0	0.797	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
102	G75B_037_025$_{dd}$	0.125	0.25	0.375	0.375	0.25	0.25	240	0.124	0.25	0.375	33.6	−1.5	−11.2	11.3	262.3	0.568	0.272	0.0	0.718	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
103	G84B_050_037$_{dd}$	0.125	0.25	0.5	0.5	0.375	0.312	251	0.124	0.243	0.5	34.2	1.9	−17.2	17.3	276.3	0.691	0.464	0.0	0.607	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
104	G88B_062_050$_{dd}$	0.125	0.25	0.625	0.625	0.5	0.375	256	0.125	0.241	0.625	34.9	5.2	−23.1	23.7	282.8	0.763	0.569	0.0	0.473	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
105	G90B_075_062$_{dd}$	0.125	0.25	0.75	0.75	0.625	0.437	259	0.125	0.239	0.75	35.6	8.5	−29.1	30.4	286.2	0.816	0.644	0.0	0.338	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
106	G92B_087_075$_{dd}$	0.125	0.25	0.875	0.875	0.75	0.5	261	0.125	0.237	0.875	36.3	11.8	−35.1	37.1	288.6	0.857	0.695	0.0	0.193	262	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288.6
107	G93B_100_087$_{dd}$	0.125	0.25	1.0	1.0	0.875	0.562	262	0.125	0.241	1.0	37.2	14.7	−41.0	43.6	289.7	0.892	0.75	0.0	0.008	262	0.0	0.133	1.0	28.9	16.8	−46.9	49.9	289.7
108	Y68G_037_037$_{dd}$	0.125	0.375	0.0	0.375	0.375	0.187	131	0.118	0.375	0.0	35.5	−15.8	20.1	25.6	128.2	0.51	0.0	0.709	0.728	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
109	G00B_037_025$_{dd}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	35.9	−17.2	7.0	18.5	157.7	0.658	0.0	0.559	0.692	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
110	G25B_037_025$_{dd}$	0.125	0.375	0.25	0.375	0.25	0.25	180	0.124	0.375	0.25	36.7	−12.7	−3.0	13.1	193.5	0.63	0.0	0.282	0.7	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
111	G50B_037_025$_{dd}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	37.5	−7.3	−10.9	13.1	236.1	0.588	0.055	0.0	0.703	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
112	G65B_050_037$_{dd}$	0.125	0.375	0.5	0.5	0.375	0.312	229	0.124	0.381	0.5	39.4	−6.2	−16.6	17.7	249.4	0.697	0.217	0.0	0.6	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
113	G75B_062_050$_{dd}$	0.125	0.375	0.625	0.625	0.5	0.375	240	0.125	0.375	0.625	39.9	−3.0	−22.5	22.7	262.3	0.771	0.387	0.0	0.469	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
114	G80B_075_062$_{dd}$	0.125	0.375	0.75	0.75	0.625	0.437	247	0.125	0.364	0.75	40.2	0.5	−28.4	28.4	271.0	0.822	0.494	0.0	0.337	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
115	G84B_087_075$_{dd}$	0.125	0.375	0.875	0.875	0.75	0.5	251	0.125	0.362	0.875	40.9	3.8	−34.4	34.6	276.3	0.861	0.565	0.0	0.189	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
116	G86B_100_087$_{dd}$	0.125	0.375	1.0	1.0	0.875	0.562	254	0.125	0.358	1.0	41.6	7.3	−40.2	40.9	280.3	0.891	0.624	0.0	0.007	255	0.0	0.266	1.0	33.9	8.3	−46.0	46.7	280.3
117	Y76G_050_050$_{dd}$	0.125	0.5	0.0	0.5	0.5	0.25	136	0.116	0.5	0.0	39.0	−24.4	23.3	33.8	136.2	0.669	0.0	0.808	0.608	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
118	G00B_050_037$_{dd}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	40.2	−25.8	10.5	27.8	157.7	0.764	0.0	0.649	0.56	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
119	G15B_050_037$_{dd}$	0.125	0.5	0.25	0.5	0.375	0.312	169	0.124	0.5	0.243	40.9	−22.3	1.4	22.3	176.3	0.76	0.0	0.477	0.565	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
120	G34B_050_037$_{dd}$	0.125	0.5	0.375	0.5	0.375	0.312	191	0.124	0.5	0.381	41.8	−15.9	−9.8	18.7	211.7	0.726	0.0	0.207	0.587	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
121	G50B_050_037$_{dd}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	42.6	−10.9	−16.4	19.7	236.1	0.699	0.048	0.0	0.587	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
122	G61B_062_050$_{dd}$	0.125	0.5	0.625	0.625	0.5	0.375	224	0.125	0.508	0.625	44.6	−10.2	−22.0	24.3	245.1	0.772	0.187	0.0	0.459	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
123	G69B_075_062$_{dd}$	0.125	0.5	0.75	0.75	0.625	0.437	233	0.125	0.51	0.75	46.0	−8.3	−27.8	29.0	253.2	0.825	0.307	0.0	0.327	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
124	G75B_087_075$_{dd}$	0.125	0.5	0.875	0.875	0.75	0.5	240	0.125	0.5	0.875	46.2	−4.5	−33.7	34.0	262.3	0.864	0.426	0.0	0.183	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
125	G79B_100_087$_{dd}$	0.125	0.5	1.0	1.0	0.875	0.562	245	0.125	0.489	1.0	46.5	−0.9	−39.7	39.7	268.5	0.896	0.494	0.0	0.008	245	0.0	0.416	1.0	39.5	−1.1	−45.4	45.4	268.5
126	Y81G_062_062$_{dd}$	0.125	0.625	0.0	0.625	0.625	0.312	139	0.114	0.625	0.0	43.5	−32.3	27.0	42.1	140.1	0.754	0.0	0.882	0.465	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
127	G00B_062_050$_{dd}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	44.5	−34.4	14.0	37.1	157.7	0.836	0.0	0.715	0.421	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
128	G11B_062_050$_{dd}$	0.125	0.625	0.25	0.625	0.5	0.375	164	0.125	0.625	0.241	45.1	−31.3	5.5	31.8	170.0	0.835	0.0	0.583	0.424	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
129	G25B_062_050$_{dd}$	0.125	0.625	0.375	0.625	0.5	0.375	180	0.125	0.625	0.375	46.0	−25.5	−6.1	26.2	193.5	0.821	0.0	0.384	0.44	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
130	G38B_062_050$_{dd}$	0.125	0.625	0.5	0.625	0.5	0.375	196	0.125	0.625	0.508	47.0	−19.2	−15.8	24.9	219.6	0.792	0.0	0.162	0.455	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
131	G50B_062_050$_{dd}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	47.7	−14.6	−21.8	26.3	236.1	0.776	0.049	0.0	0.446	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
132	G59B_075_062$_{dd}$	0.125	0.625	0.75	0.75	0.625	0.437	221	0.125	0.635	0.75	49.8	−14.0	−27.5	30.9	242.9	0.829	0.161	0.0	0.317	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
133	G65B_087_075$_{dd}$	0.125	0.625	0.875	0.875	0.75	0.5	229	0.125	0.637	0.875	51.3	−12.4	−33.2	35.5	249.4	0.871	0.272	0.0	0.18	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
134	G70B_100_087$_{dd}$	0.125	0.625	1.0	1.0	0.875	0.562	235	0.125	0.635	1.0	52.2	−9.8	−39.1	40.4	255.8	0.902	0.366	0.0	0.004	234	0.0	0.583	1.0	46.1	−11.3	−44.7	46.1	255.8
135	Y85G_075_075$_{dd}$	0.125	0.75	0.0	0.75	0.75	0.375	141	0.112	0.75	0.0	48.0	−40.2	30.6	50.5	142.7	0.811	0.0	0.931	0.326	142	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142.7
136	G00B_075_062$_{dd}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	48.8	−43.0	17.5	46.4	157.7	0.883	0.0	0.77	0.273	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
137	G09B_075_062$_{dd}$	0.125	0.75	0.25	0.75	0.625	0.437	161	0.125	0.75	0.239	49.4	−40.3	9.2	41.3	167.1	0.885	0.0	0.65	0.273	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
138	G19B_075_062$_{dd}$	0.125	0.75	0.375	0.75	0.625	0.437	173	0.125	0.75	0.364	50.2	−35.4	−1.1	35.4	181.9	0.879	0.0	0.507	0.286	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
139	G30B_075_062$_{dd}$	0.125	0.75	0.5	0.75	0.625	0.437	187	0.125	0.75	0.51	51.2	−28.4	−13.3	31.4	205.1	0.863	0.0	0.316	0.302	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
140	G40B_075_062$_{dd}$	0.125	0.75	0.625	0.75	0.625	0.437	199	0.125	0.75	0.635	52.1	−22.9	−21.4	31.4	223.1	0.845	0.0	0.144	0.312	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
141	G50B_075_062$_{dd}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	52.8	−18.3	−27.3	32.9	236.1	0.833	0.041	0.0	0.305	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
142	G57B_087_075$_{dd}$	0.125	0.75	0.875	0.875	0.75	0.5	219	0.125	0.762	0.875	55.0	−17.9	−33.0	37.5	241.4	0.874	0.131	0.0	0.176	217	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241.4
143	G63B_100_087$_{dd}$	0.125	0.75	1.0	1.0	0.875	0.562	226	0.125	0.766	1.0	56.7	−16.6	−38.7	42.1	246.7	0.903	0.22	0.0	0.008	224	0.0	0.733	1.0	51.2	−18.9	−44.2	48.1	246.7
144	Y86G_087_087$_{dd}$	0.125	0.875	0.0	0.875	0.875	0.437	142	0.116	0.875	0.0	52.6	−47.7	34.6	58.9	144.0	0.847	0.0	0.967	0.182	142	0.133	1.0	0.0	57.6	−54.5	39.5	67.3	144.0
145	G00B_087_075$_{dd}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	53.1	−51.6	21.0	55.7	157.7	0.913	0.0	0.824	0.132	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
146	G07B_087_075$_{dd}$	0.125	0.875	0.25	0.875	0.75	0.5	159	0.125	0.875	0.237	53.6	−49.2	13.0	50.9	165.1	0.913	0.0	0.704	0.131	157	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165.1
147	G15B_087_075$_{dd}$	0.125	0.875	0.375	0.875	0.75	0.5	169	0.125	0.875	0.362	54.4	−44.6	2.8	44.7	176.3	0.91	0.0	0.583	0.138	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
148	G25B_087_075$_{dd}$	0.125	0.875	0.5	0.875	0.75	0.5	180	0.125	0.875	0.5	55.2	−38.3	−9.2	39.4	193.5	0.904	0.0	0.434	0.149	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
149	G34B_087_075$_{dd}$	0.125	0.875	0.625	0.875	0.75	0.5	191	0.125	0.875	0.637	56.3	−31.8	−19.7	37.4	211.7	0.895	0.0	0.277	0.156	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
150	G42B_087_075$_{dd}$	0.125	0.875	0.75	0.875	0.75	0.5	201	0.125	0.875	0.762	57.2	−26.5	−27.0	37.8	225.5	0.884	0.0	0.13	0.166	202	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225.5
151	G50B_087_075$_{dd}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	57.9	−21.9	−32.8	39.4	236.1	0.874	0.027	0.0	0.165	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
152	G56B_100_087$_{dd}$	0.125	0.875	1.0	1.0	0.875	0.562	218	0.125	0.883	1.0	60.0	−21.5	−38.4	44.1	240.7	0.903	0.102	0.0	0.009	217	0.0	0.866	1.0	55.0	−24.6	−43.9	50.4	240.7
153	Y88G_100_100$_{dd}$	0.125	1.0	0.0	1.0	1.0	0.5	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5	0.882	0.0	1.0	0.0	143	0.116	1.0	0.0	57.0	−55.9	38.3	67.8	145.5
154	G00B_100_087$_{dd}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	57.3	−60.2	24.6	65.0	157.7	0.919	0.0	0.874	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
155	G06B_100_087$_{dd}$	0.125	1.0	0.25	1.0	0.875	0.562	158	0.125	1.0	0.241	57.9	−57.8	16.3	60.1	164.2	0.918	0.0	0.749	0.0	157	0.0	1.0	0.133	52.6	−66.1	18.6	68.7	164.2
156	G13B_100_087$_{dd}$	0.125	1.0	0.375	1.0	0.875	0.562	166	0.125	1.0	0.358	58.6	−53.7	7.2	54.2	172.3	0.919	0.0	0.623	0.0	164	0.0	1.0	0.266	53.4	−61.4	8.2	61.9	172.3
157	G20B_100_087$_{dd}$	0.125	1.0	0.5	1.0	0.875	0.562	175	0.125	1.0	0.489	59.4	−48.3	−4.4	48.5	185.2	0.915	0.0	0.498	0.0	174	0.0	1.0	0.416	54.3	−55.2	−5.0	55.5	185.2
158	G29B_100_087$_{dd}$	0.125	1.0	0.625	1.0	0.875	0.562	185	0.125	1.0	0.635	60.5	−41.4	−16.5	44.6	201.8	0.913	0.0	0.376	0.0	185	0.0	1.0	0.583	55.5	−47.3	−18.9	50.9	201.8
159	G36B_100_087$_{dd}$	0.125	1.0	0.75	1.0	0.875	0.562	194	0.125	1.0	0.766	61.4	−34.9	−26.0	43.5	216.7	0.91	0.0	0.25	0.0	195	0.0	1.0	0.733	56.6	−39.9	−29.8	49.8	216.7
160	G43B_100_087$_{dd}$	0.125	1.0	0.875	1.0	0.875	0.562	202	0.125	1.0	0.883	62.2	−30.3	−32.2	44.2	226.7	0.908	0.0	0.125	0.0	202	0.0	1.0	0.866	57.5	−34.6	−36.8	50.6	226.7
161	G50B_100_087$_{dd}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	62.9	−25.6	−38.2	46.0	236.1	0.906	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031330−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
162	R00Y_025_025$_{dd}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	25.1	15.9	10.3	19.0	32.8	0.0	0.662	0.617	0.769	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
163	R00Y_025_025$_{dd}$	0.25	0.0	0.125	0.25	0.25	0.125	360	0.25	0.0	0.125	25.2	16.9	3.5	17.2	11.6	0.0	0.662	0.302	0.769	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
164	B50R_025_025$_{dd}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	25.3	18.2	−2.1	18.3	353.3	0.0	0.637	0.108	0.788	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
165	B34R_037_037$_{dd}$	0.25	0.0	0.375	0.375	0.375	0.187	311	0.256	0.0	0.375	26.8	23.3	−7.0	24.3	343.1	0.079	0.72	0.0	0.717	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
166	B25R_050_050$_{dd}$	0.25	0.0	0.5	0.5	0.5	0.25	300	0.25	0.0	0.5	27.7	26.9	−13.1	29.9	333.9	0.378	0.81	0.0	0.604	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
167	B19R_062_062$_{dd}$	0.25	0.0	0.625	0.625	0.625	0.312	293	0.239	0.0	0.625	27.9	30.0	−19.3	35.7	327.2	0.51	0.874	0.0	0.484	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
168	B15R_075_075$_{dd}$	0.25	0.0	0.75	0.75	0.75	0.375	289	0.237	0.0	0.75	29.0	31.8	−26.5	41.4	320.2	0.626	0.926	0.0	0.341	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
169	B13R_087_087$_{dd}$	0.25	0.0	0.875	0.875	0.875	0.437	286	0.233	0.0	0.875	30.1	33.1	−33.5	47.1	314.6	0.723	0.963	0.0	0.188	284	0.266	0.0	1.0	31.8	37.8	−38.3	53.8	314.6
170	B11R_100_100$_{dd}$	0.25	0.0	1.0	1.0	1.0	0.5	284	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9	0.765	1.0	0.0	0.0	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
171	R50Y_025_025$_{dd}$	0.25	0.125	0.0	0.25	0.25	0.125	60	0.25	0.125	0.0	30.0	5.6	16.9	17.8	71.4	0.0	0.451	0.649	0.779	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
172	R00Y_025_012$_{dd}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	31.1	7.9	5.1	9.5	32.8	0.0	0.474	0.336	0.774	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
173	B50R_025_012$_{dd}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	31.2	9.1	−1.0	9.1	353.3	0.0	0.449	0.052	0.791	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
174	B25R_037_025$_{dd}$	0.25	0.125	0.375	0.375	0.25	0.25	300	0.25	0.124	0.375	32.4	13.4	−6.5	14.9	333.9	0.176	0.577	0.0	0.713	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
175	B15R_050_037$_{dd}$	0.25	0.125	0.5	0.5	0.375	0.312	289	0.243	0.124	0.5	33.0	15.9	−13.2	20.7	320.2	0.441	0.682	0.0	0.599	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
176	B11R_062_050$_{dd}$	0.25	0.125	0.625	0.625	0.5	0.375	284	0.241	0.125	0.625	34.2	17.8	−19.8	26.6	311.9	0.574	0.728	0.0	0.455	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
177	B09R_075_062$_{dd}$	0.25	0.125	0.75	0.75	0.625	0.437	281	0.239	0.125	0.75	35.3	21.2	−25.6	33.2	309.5	0.642	0.784	0.0	0.312	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
178	B07R_087_075$_{dd}$	0.25	0.125	0.875	0.875	0.75	0.5	279	0.237	0.125	0.875	36.4	24.5	−31.4	39.9	307.9	0.689	0.821	0.0	0.169	278	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307.9
179	B06R_100_087$_{dd}$	0.25	0.125	1.0	1.0	0.875	0.562	278	0.241	0.125	1.0	37.7	28.1	−37.0	46.5	307.1	0.724	0.841	0.0	0.0	277	0.133	0.0	1.0	29.4	32.1	−42.3	53.1	307.1
180	Y00G_025_025$_{dd}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	35.3	−2.9	23.7	23.9	97.1	0.0	0.155	0.65	0.778	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
181	Y00G_025_012$_{dd}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	36.2	−1.4	11.8	11.9	97.1	0.0	0.096	0.459	0.78	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
182	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.031	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
183	B00R_037_012$_{dd}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	38.1	2.9	−5.9	6.6	296.4	0.261	0.285	0.0	0.711	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
184	B00R_050_025$_{dd}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	39.0	5.8	−11.8	13.2	296.4	0.461	0.461	0.0	0.599	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
185	B00R_062_037$_{dd}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	40.0	8.8	−17.7	19.8	296.4	0.569	0.557	0.0	0.461	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
186	B00R_075_050$_{dd}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	40.9	11.7	−23.6	26.4	296.4	0.65	0.626	0.0	0.324	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
187	B00R_087_062$_{dd}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	41.9	14.6	−29.5	33.0	296.4	0.701	0.668	0.0	0.182	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
188	B00R_100_075$_{dd}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	42.8	17.6	−35.5	39.6	296.4	0.737	0.703	0.0	0.006	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
189	Y31G_037_037$_{dd}$	0.25	0.375	0.0	0.375	0.375	0.187	109	0.256	0.375	0.0	41.0	−8.5	29.8	31.0	106.0	0.087	0.0	0.723	0.714	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
190	Y50G_037_025$_{dd}$	0.25	0.375	0.125	0.375	0.25	0.25	120	0.25	0.375	0.124	41.2	−7.8	16.5	18.2	115.3	0.184	0.0	0.561	0.71	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
191	G00B_037_012$_{dd}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	41.4	−8.6	3.5	9.2	157.7	0.38	0.0	0.321	0.684	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
192	G50B_037_012$_{dd}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	42.2	−3.6	−5.4	6.5	236.1	0.334	0.044	0.0	0.692	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
193	G75B_050_025$_{dd}$	0.25	0.375	0.5	0.5	0.25	0.375	240	0.249	0.375	0.5	43.4	−1.5	−11.2	11.3	262.3	0.478	0.235	0.0	0.593	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
194	G84B_062_037$_{dd}$	0.25	0.375	0.625	0.625	0.375	0.437	251	0.25	0.368	0.625	43.9	1.9	−17.2	17.3	276.3	0.586	0.404	0.0	0.461	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
195	G88B_075_050$_{dd}$	0.25	0.375	0.75	0.75	0.5	0.5	256	0.25	0.366	0.75	44.6	5.2	−23.1	23.7	282.8	0.66	0.5	0.0	0.326	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
196	G90B_087_062$_{dd}$	0.25	0.375	0.875	0.875	0.625	0.562	259	0.25	0.364	0.875	45.3	8.5	−29.1	30.4	286.2	0.713	0.568	0.0	0.181	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
197	G92B_100_075$_{dd}$	0.25	0.375	1.0	1.0	0.75	0.625	261	0.25	0.362	1.0	46.0	11.8	−35.1	37.1	288.6	0.741	0.607	0.0	0.005	262	0.0	0.15	1.0	29.5	15.8	−46.9	49.4	288.6
198	Y50G_050_050$_{dd}$	0.25	0.5	0.0	0.5	0.5	0.25	120	0.25	0.5	0.0	45.2	−15.6	33.0	36.5	115.3	0.314	0.0	0.818	0.592	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
199	Y68G_050_037$_{dd}$	0.25	0.5	0.125	0.5	0.375	0.312	131	0.243	0.5	0.124	45.2	−15.8	20.1	25.6	128.2	0.44	0.0	0.661	0.585	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
200	G00B_050_025$_{dd}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	45.7	−17.2	7.0	18.5	157.7	0.573	0.0	0.475	0.545	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
201	G25B_050_025$_{dd}$	0.25	0.5	0.375	0.5	0.25	0.375	180	0.249	0.5	0.375	46.4	−12.7	−3.0	13.1	193.5	0.55	0.0	0.248	0.564	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
202	G50B_050_025$_{dd}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	47.3	−7.3	−10.9	13.1	236.1	0.5	0.041	0.0	0.577	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
203	G65B_062_037$_{dd}$	0.25	0.5	0.625	0.625	0.375	0.437	229	0.25	0.506	0.625	49.1	−6.2	−16.6	17.7	249.4	0.598	0.18	0.0	0.456	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
204	G75B_075_050$_{dd}$	0.25	0.5	0.75	0.75	0.5	0.5	240	0.25	0.5	0.75	49.6	−3.0	−22.5	22.7	262.3	0.672	0.328	0.0	0.324	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
205	G80B_087_062$_{dd}$	0.25	0.5	0.875	0.875	0.625	0.562	247	0.25	0.489	0.875	50.0	0.5	−28.4	28.4	271.0	0.722	0.43	0.0	0.184	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
206	G84B_100_075$_{dd}$	0.25	0.5	1.0	1.0	0.75	0.625	251	0.25	0.487	1.0	50.7	3.8	−34.4	34.6	276.3	0.755	0.481	0.0	0.012	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
207	Y61G_062_062$_{dd}$	0.25	0.625	0.0	0.625	0.625	0.312	127	0.239	0.625	0.0	49.8	−22.8	36.6	43.2	121.9	0.501	0.0	0.885	0.459	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
208	Y76G_062_050$_{dd}$	0.25	0.625	0.125	0.625	0.5	0.375	136	0.241	0.625	0.125	48.7	−24.4	23.3	33.8	136.2	0.593	0.0	0.732	0.448	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
209	G00B_062_037$_{dd}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	49.9	−25.8	10.5	27.8	157.7	0.688	0.0	0.571	0.403	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
210	G15B_062_037$_{dd}$	0.25	0.625	0.375	0.625	0.375	0.437	169	0.25	0.625	0.368	50.6	−22.3	1.4	22.3	176.3	0.684	0.0	0.419	0.412	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
211	G34B_062_037$_{dd}$	0.25	0.625	0.5	0.625	0.375	0.437	191	0.25	0.625	0.506	51.6	−15.9	−9.8	18.7	211.7	0.643	0.0	0.182	0.437	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
212	G50B_062_037$_{dd}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	52.3	−10.9	−16.4	19.7	236.1	0.61	0.038	0.0	0.442	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
213	G61B_075_050$_{dd}$	0.25	0.625	0.75	0.75	0.5	0.5	224	0.25	0.633	0.75	54.4	−10.2	−22.0	24.3	245.1	0.681	0.15	0.0	0.318	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
214	G69B_087_062$_{dd}$	0.25	0.625	0.875	0.875	0.625	0.562	233	0.25	0.635	0.875	55.7	−8.3	−27.8	29.0	253.2	0.738	0.261	0.0	0.183	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
215	G75B_100_075$_{dd}$	0.25	0.625	1.0	1.0	0.75	0.625	240	0.25	0.625	1.0	55.9	−4.5	−33.7	34.0	262.3	0.761	0.364	0.0	0.01	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
216	Y68G_075_075$_{dd}$	0.25	0.75	0.0	0.75	0.75	0.375	131	0.237	0.75	0.0	53.2	−31.7	40.2	51.2	128.2	0.625	0.0	0.933	0.319	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
217	Y81G_075_062$_{dd}$	0.25	0.75	0.125	0.75	0.625	0.437	139	0.239	0.75	0.125	53.2	−32.3	27.0	42.1	140.1	0.682	0.0	0.783	0.3	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
218	G00B_075_050$_{dd}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	54.2	−34.4	14.0	37.1	157.7	0.768	0.0	0.632	0.248	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
219	G11B_075_050$_{dd}$	0.25	0.75	0.375	0.75	0.5	0.5	164	0.25	0.75	0.366	54.8	−31.3	5.5	31.8	170.0	0.765	0.0	0.516	0.255	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
220	G25B_075_050$_{dd}$	0.25	0.75	0.5	0.75	0.5	0.5	180	0.25	0.75	0.5	55.7	−25.5	−6.1	26.2	193.5	0.747	0.0	0.347	0.276	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
221	G38B_075_050$_{dd}$	0.25	0.75	0.625	0.75	0.5	0.5	196	0.25	0.75	0.633	56.7	−19.2	−15.8	24.9	219.6	0.712	0.0	0.15	0.298	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
222	G50B_075_050$_{dd}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	57.4	−14.6	−21.8	26.3	236.1	0.689	0.03	0.0	0.302	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
223	G59B_087_062$_{dd}$	0.25	0.75	0.875	0.875	0.625	0.562	221	0.25	0.76	0.875	59.6	−14.0	−27.5	30.9	242.9	0.744	0.123	0.0	0.177	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
224	G65B_100_075$_{dd}$	0.25	0.75	1.0	1.0	0.75	0.625	229	0.25	0.762	1.0	61.1	−12.4	−33.2	35.5	249.4	0.776	0.21	0.0	0.013	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
225	Y73G_087_087$_{dd}$	0.25	0.875	0.0	0.875	0.875	0.437	134	0.233	0.875	0.0	56.4	−40.6	43.1	59.3	133.2	0.715	0.0	0.967	0.18	135	0.266	1.0	0.0	61.9	−46.5	49.3	67.8	133.2
226	Y85G_087_075$_{dd}$	0.25	0.875	0.125	0.875	0.75	0.5	141	0.237	0.875	0.125	57.7	−40.2	30.6	50.5	142.7	0.741	0.0	0.821	0.154	142	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142.7
227	G00B_087_062$_{dd}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	58.5	−43.0	17.5	46.4	157.7	0.82	0.0	0.688	0.093	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
228	G09B_087_062$_{dd}$	0.25	0.875	0.375	0.875	0.625	0.562	161	0.25	0.875	0.364	59.1	−40.3	9.2	41.3	167.1	0.821	0.0	0.589	0.097	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
229	G19B_087_062$_{dd}$	0.25	0.875	0.5	0.875	0.625	0.562	173	0.25	0.875	0.489	59.9	−35.4	−1.1	35.4	181.9	0.807	0.0	0.461	0.114	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
230	G30B_087_062$_{dd}$	0.25	0.875	0.625	0.875	0.625	0.562	187	0.25	0.875	0.635	60.9	−28.4	−13.3	31.4	205.1	0.789	0.0	0.293	0.137	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
231	G40B_087_062$_{dd}$	0.25	0.875	0.75	0.875	0.625	0.562	199	0.25	0.875	0.76	61.8	−22.9	−21.4	31.4	223.1	0.767	0.0	0.138	0.154	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
232	G50B_087_062$_{dd}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	62.5	−18.3	−27.3	32.9	236.1	0.746	0.018	0.0	0.165	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
233	G57B_100_075$_{dd}$	0.25	0.875	1.0	1.0	0.75	0.625	219	0.25	0.887	1.0	64.7	−17.9	−33.0	37.5	241.4	0.779	0.092	0.0	0.009	217	0.0	0.85	1.0	54.5	−23.9	−44.0	50.1	241.4
234	Y76G_100_100$_{dd}$	0.25	1.0	0.0	1.0	1.0	0.5	136	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2	0.766	0.0	1.0	0.0	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
235	Y86G_100_087$_{dd}$	0.25	1.0	0.125	1.0	0.875	0.562	142	0.241	1.0	0.125	62.3	−47.7	34.6	58.9	144.0	0.766	0.0	0.836	0.0	142	0.133	1.0	0.0	57.6	−54.5	39.5	67.3	144.0
236	G00B_100_075$_{dd}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	62.8	−51.6	21.0	55.7	157.7	0.875	0.0	0.75	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
237	G07B_100_075$_{dd}$	0.25	1.0	0.375	1.0	0.75	0.625	159	0.25	1.0	0.362	63.4	−49.2	13.0	50.9	165.1	0.822	0.0	0.623	0.0	157	0.0	1.0	0.15	52.7	−65.6	17.3	67.9	165.1
238	G15B_100_075$_{dd}$	0.25	1.0	0.5	1.0	0.75	0.625	169	0.25	1.0	0.487	64.1	−44.6	2.8	44.7	176.3	0.806	0.0	0.498	0.0	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
239	G25B_100_075$_{dd}$	0.25	1.0	0.625	1.0	0.75	0.625	180	0.25	1.0	0.625	65.0	−38.3	−9.2	39.4	193.5	0.812	0.0	0.376	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
240	G34B_100_075$_{dd}$	0.25	1.0	0.75	1.0	0.75	0.625	191	0.25	1.0	0.762	66.0	−31.8	−19.7	37.4	211.7	0.804	0.0	0.25	0.0	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
241	G42B_100_075$_{dd}$	0.25	1.0	0.875	1.0	0.75	0.625	201	0.25	1.0	0.887	66.9	−26.5	−27.0	37.8	225.5	0.789	0.0	0.125	0.0	202	0.0	1.0	0.85	57.4	−35.3	−36.0	50.4	225.5
242	G50B_100_075$_{dd}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	67.6	−21.9	−32.8	39.4	236.1	0.787	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031430−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$				*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
243	R00Y_037_037$_{dd}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	28.8	23.9	15.4	28.5	32.8	0.0	0.771	0.711	0.66	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
244	R18Y_037_037$_{dd}$	0.375	0.0	0.125	0.375	0.375	0.187	371	0.375	0.0	0.118	28.9	24.6	9.4	26.4	20.9	0.0	0.767	0.534	0.665	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
245	B65R_037_037$_{dd}$	0.375	0.0	0.25	0.375	0.375	0.187	349	0.375	0.0	0.256	29.1	26.1	1.5	26.1	3.2	0.0	0.761	0.285	0.672	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
246	B50R_037_037$_{dd}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	29.1	27.3	−3.2	27.5	353.3	0.0	0.755	0.11	0.679	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
247	B38R_050_050$_{dd}$	0.375	0.0	0.5	0.5	0.5	0.25	316	0.383	0.0	0.5	30.6	33.2	−7.2	34.0	347.6	0.044	0.812	0.0	0.601	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
248	B30R_062_062$_{dd}$	0.375	0.0	0.625	0.625	0.625	0.312	307	0.385	0.0	0.625	32.1	36.5	−13.8	39.1	339.2	0.316	0.878	0.0	0.457	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
249	B25R_075_075$_{dd}$	0.375	0.0	0.75	0.75	0.75	0.375	300	0.375	0.0	0.75	32.8	40.3	−19.7	44.9	333.9	0.445	0.927	0.0	0.328	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
250	B20R_087_087$_{dd}$	0.375	0.0	0.875	0.875	0.875	0.437	295	0.364	0.0	0.875	32.9	43.5	−26.0	50.7	329.1	0.544	0.965	0.0	0.191	294	0.416	0.0	1.0	35.1	49.7	−29.7	57.9	329.1
251	B18R_100_100$_{dd}$	0.375	0.0	1.0	1.0	1.0	0.5	292	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8	0.631	1.0	0.0	0.0	291	0.366	0.0	1.0	33.6	46.9	−31.8	56.7	325.8
252	R31Y_037_037$_{dd}$	0.375	0.125	0.0	0.375	0.375	0.187	49	0.375	0.118	0.0	33.1	14.4	21.4	25.8	55.9	0.0	0.612	0.765	0.667	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
253	R00Y_037_025$_{dd}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	34.8	15.9	10.3	19.0	32.8	0.0	0.612	0.481	0.657	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
254	R00Y_037_025$_{dd}$	0.375	0.125	0.25	0.375	0.25	0.25	360	0.375	0.124	0.25	34.9	16.9	3.5	17.2	11.6	0.0	0.601	0.29	0.665	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
255	B50R_037_025$_{dd}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	35.0	18.2	−2.1	18.3	353.3	0.0	0.596	0.09	0.676	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
256	B34R_050_037$_{dd}$	0.375	0.125	0.5	0.5	0.375	0.312	311	0.381	0.124	0.5	36.5	23.3	−7.0	24.3	343.1	0.095	0.667	0.0	0.595	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
257	B25R_062_050$_{dd}$	0.375	0.125	0.625	0.625	0.5	0.375	300	0.375	0.125	0.625	37.5	26.9	−13.1	29.9	333.9	0.325	0.737	0.0	0.451	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
258	B19R_075_062$_{dd}$	0.375	0.125	0.75	0.75	0.625	0.437	293	0.364	0.125	0.75	37.6	30.0	−19.3	35.7	327.2	0.461	0.798	0.0	0.325	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
259	B15R_087_075$_{dd}$	0.375	0.125	0.875	0.875	0.75	0.5	289	0.362	0.125	0.875	38.7	31.8	−26.5	41.4	320.2	0.578	0.821	0.0	0.166	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
260	B13R_100_087$_{dd}$	0.375	0.125	1.0	1.0	0.875	0.562	286	0.358	0.125	1.0	39.8	33.1	−33.5	47.1	314.6	0.654	0.829	0.0	0.0	284	0.266	0.0	1.0	31.8	37.8	−38.3	53.8	314.6
261	R68Y_037_037$_{dd}$	0.375	0.25	0.0	0.375	0.375	0.187	71	0.375	0.256	0.0	39.6	2.6	29.8	29.9	84.9	0.0	0.341	0.763	0.67	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
262	R50Y_037_025$_{dd}$	0.375	0.25	0.125	0.375	0.25	0.25	60	0.375	0.25	0.124	39.8	5.6	16.9	17.8	71.4	0.0	0.368	0.574	0.671	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
263	R00Y_037_012$_{dd}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	40.8	7.9	5.1	9.5	32.8	0.0	0.375	0.279	0.673	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
264	B50R_037_012$_{dd}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	40.9	9.1	−1.0	9.1	353.3	0.0	0.357	0.051	0.686	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
265	B25R_050_025$_{dd}$	0.375	0.25	0.5	0.5	0.25	0.375	300	0.375	0.249	0.5	42.1	13.4	−6.5	14.9	333.9	0.143	0.483	0.0	0.598	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
266	B15R_062_037$_{dd}$	0.375	0.25	0.625	0.625	0.375	0.437	289	0.368	0.25	0.625	42.7	15.9	−13.2	20.7	320.2	0.375	0.581	0.0	0.454	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
267	B11R_075_050$_{dd}$	0.375	0.25	0.75	0.75	0.5	0.5	284	0.366	0.25	0.75	43.9	17.8	−19.8	26.6	311.9	0.514	0.639	0.0	0.31	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
268	B09R_087_062$_{dd}$	0.375	0.25	0.875	0.875	0.625	0.562	281	0.364	0.25	0.875	45.0	21.2	−25.6	33.2	309.5	0.594	0.68	0.0	0.164	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
269	B07R_100_075$_{dd}$	0.375	0.25	1.0	1.0	0.75	0.625	279	0.362	0.25	1.0	46.2	24.5	−31.4	39.9	307.9	0.642	0.692	0.0	0.0	278	0.15	0.0	1.0	29.7	32.7	−41.9	53.2	307.9
270	Y00G_037_037$_{dd}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	44.2	−4.4	35.6	35.9	97.1	0.0	0.132	0.761	0.672	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
271	Y00G_037_025$_{dd}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	45.0	−2.9	23.7	23.9	97.1	0.0	0.107	0.633	0.675	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
272	Y00G_037_012$_{dd}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	45.9	−1.4	11.8	11.9	97.1	0.0	0.069	0.367	0.683	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
273	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.034	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
274	B00R_050_012$_{dd}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	47.8	2.9	−5.9	6.6	296.4	0.214	0.23	0.0	0.602	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
275	B00R_062_025$_{dd}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	48.7	5.8	−11.8	13.2	296.4	0.39	0.38	0.0	0.466	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
276	B00R_075_037$_{dd}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	49.7	8.8	−17.7	19.8	296.4	0.506	0.471	0.0	0.327	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
277	B00R_087_050$_{dd}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	50.6	11.7	−23.6	26.4	296.4	0.59	0.533	0.0	0.18	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
278	B00R_100_062$_{dd}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	51.6	14.6	−29.5	33.0	296.4	0.656	0.564	0.0	0.001	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
279	Y23G_050_050$_{dd}$	0.375	0.5	0.0	0.5	0.5	0.25	104	0.383	0.5	0.0	50.5	−9.6	41.8	42.9	102.9	0.006	0.0	0.8	0.62	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
280	Y31G_050_037$_{dd}$	0.375	0.5	0.125	0.5	0.375	0.312	109	0.381	0.5	0.124	50.7	−8.5	29.8	31.0	106.0	0.089	0.0	0.693	0.613	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
281	Y50G_050_025$_{dd}$	0.375	0.5	0.25	0.5	0.25	0.375	120	0.375	0.5	0.249	50.9	−7.8	16.5	18.2	115.3	0.163	0.0	0.476	0.603	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
282	G00B_050_012$_{dd}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	51.1	−8.6	3.5	9.2	157.7	0.326	0.0	0.268	0.566	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
283	G50B_050_012$_{dd}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	51.9	−3.6	−5.4	6.5	236.1	0.274	0.026	0.0	0.582	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
284	G75B_062_025$_{dd}$	0.375	0.5	0.625	0.625	0.25	0.5	240	0.375	0.5	0.625	53.1	−1.5	−11.2	11.3	262.3	0.411	0.19	0.0	0.465	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
285	G84B_075_037$_{dd}$	0.375	0.5	0.75	0.75	0.375	0.562	251	0.375	0.493	0.75	53.6	1.9	−17.2	17.3	276.3	0.519	0.335	0.0	0.33	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
286	G88B_087_050$_{dd}$	0.375	0.5	0.875	0.875	0.5	0.625	256	0.375	0.491	0.875	54.3	5.2	−23.1	23.7	282.8	0.599	0.426	0.0	0.185	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
287	G90B_100_062$_{dd}$	0.375	0.5	1.0	1.0	0.625	0.687	259	0.375	0.489	1.0	55.0	8.5	−29.1	30.4	286.2	0.665	0.473	0.0	0.008	260	0.0	0.183	1.0	30.8	13.6	−46.7	48.6	286.2
288	Y38G_062_062$_{dd}$	0.375	0.625	0.0	0.625	0.625	0.312	113	0.385	0.625	0.0	54.6	−16.0	47.3	49.9	108.7	0.216	0.0	0.867	0.5	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
289	Y50G_062_050$_{dd}$	0.375	0.625	0.125	0.625	0.5	0.375	120	0.375	0.625	0.125	54.9	−15.6	33.0	36.5	115.3	0.33	0.0	0.736	0.472	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
290	Y68G_062_037$_{dd}$	0.375	0.625	0.25	0.625	0.375	0.437	131	0.368	0.625	0.25	54.9	−15.8	20.1	25.6	128.2	0.395	0.0	0.575	0.456	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
291	G00B_062_025$_{dd}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	55.4	−17.2	7.0	18.5	157.7	0.511	0.0	0.409	0.412	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
292	G25B_062_025$_{dd}$	0.375	0.625	0.5	0.625	0.25	0.5	180	0.375	0.625	0.5	56.1	−12.7	−3.0	13.1	193.5	0.485	0.0	0.21	0.432	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
293	G50B_062_025$_{dd}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	57.0	−7.3	−10.9	13.1	236.1	0.439	0.029	0.0	0.447	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
294	G65B_075_037$_{dd}$	0.375	0.625	0.75	0.75	0.375	0.562	229	0.375	0.631	0.75	58.8	−6.2	−16.6	17.7	249.4	0.536	0.145	0.0	0.325	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
295	G75B_087_050$_{dd}$	0.375	0.625	0.875	0.875	0.5	0.625	240	0.375	0.625	0.875	59.4	−3.0	−22.5	22.7	262.3	0.612	0.277	0.0	0.186	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
296	G80B_100_062$_{dd}$	0.375	0.625	1.0	1.0	0.625	0.687	247	0.375	0.614	1.0	59.7	0.5	−28.4	28.4	271.0	0.67	0.368	0.0	0.016	247	0.0	0.383	1.0	38.2	0.8	−45.4	45.4	271.0
297	Y50G_075_075$_{dd}$	0.375	0.75	0.0	0.75	0.75	0.375	120	0.375	0.75	0.0	59.0	−23.5	49.5	54.8	115.3	0.459	0.0	0.928	0.334	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
298	Y61G_075_062$_{dd}$	0.375	0.75	0.125	0.75	0.625	0.437	127	0.364	0.75	0.125	59.5	−22.8	36.6	43.2	121.9	0.468	0.0	0.785	0.324	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
299	Y76G_075_050$_{dd}$	0.375	0.75	0.25	0.75	0.5	0.5	136	0.366	0.75	0.25	58.5	−24.4	23.3	33.8	136.2	0.545	0.0	0.651	0.304	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
300	G00B_075_037$_{dd}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	59.7	−25.8	10.5	27.8	157.7	0.624	0.0	0.497	0.247	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
301	G15B_075_037$_{dd}$	0.375	0.75	0.5	0.75	0.375	0.562	169	0.375	0.75	0.493	60.3	−22.3	1.4	22.3	176.3	0.615	0.0	0.367	0.257	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
302	G34B_075_037$_{dd}$	0.375	0.75	0.625	0.75	0.375	0.562	191	0.375	0.75	0.631	61.3	−15.9	−9.8	18.7	211.7	0.58	0.0	0.163	0.29	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
303	G50B_075_037$_{dd}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	62.1	−10.9	−16.4	19.7	236.1	0.55	0.024	0.0	0.305	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
304	G61B_087_050$_{dd}$	0.375	0.75	0.875	0.875	0.5	0.625	224	0.375	0.758	0.875	64.1	−10.2	−22.0	24.3	245.1	0.621	0.119	0.0	0.18	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
305	G69B_100_062$_{dd}$	0.375	0.75	1.0	1.0	0.625	0.687	233	0.375	0.76	1.0	65.4	−8.3	−27.8	29.0	253.2	0.678	0.207	0.0	0.017	232	0.0	0.616	1.0	47.4	−13.4	−44.5	46.4	253.2
306	Y58G_087_087$_{dd}$	0.375	0.875	0.0	0.875	0.875	0.437	125	0.364	0.875	0.0	63.6	−30.8	53.2	61.4	120.0	0.552	0.0	0.968	0.177	125	0.416	1.0	0.0	70.2	−35.2	60.8	70.2	120.0
307	Y68G_087_075$_{dd}$	0.375	0.875	0.125	0.875	0.75	0.5	131	0.362	0.875	0.125	63.0	−31.7	40.2	51.2	128.2	0.587	0.0	0.841	0.169	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
308	Y81G_087_062$_{dd}$	0.375	0.875	0.25	0.875	0.625	0.562	139	0.364	0.875	0.25	62.9	−32.3	27.0	42.1	140.1	0.637	0.0	0.7	0.15	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
309	G00B_087_050$_{dd}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	63.9	−34.4	14.0	37.1	157.7	0.701	0.0	0.565	0.079	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
310	G11B_087_050$_{dd}$	0.375	0.875	0.5	0.875	0.5	0.625	164	0.375	0.875	0.491	64.6	−31.3	5.5	31.8	170.0	0.695	0.0	0.463	0.09	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
311	G25B_087_050$_{dd}$	0.375	0.875	0.625	0.875	0.5	0.625	180	0.375	0.875	0.625	65.4	−25.5	−6.1	26.2	193.5	0.677	0.0	0.315	0.12	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
312	G38B_087_050$_{dd}$	0.375	0.875	0.75	0.875	0.5	0.625	196	0.375	0.875	0.758	66.4	−19.2	−15.8	24.9	219.6	0.65	0.0	0.14	0.15	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
313	G50B_087_050$_{dd}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	67.1	−14.6	−21.8	26.3	236.1	0.63	0.016	0.0	0.165	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
314	G59B_100_062$_{dd}$	0.375	0.875	1.0	1.0	0.625	0.687	221	0.375	0.885	1.0	69.3	−14.0	−27.5	30.9	242.9	0.683	0.093	0.0	0.009	219	0.0	0.816	1.0	53.6	−22.5	−44.1	49.5	242.9
315	Y63G_100_100$_{dd}$	0.375	1.0	0.0	1.0	1.0	0.5	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2	0.632	0.0	1.0	0.0	128	0.366	1.0	0.0	68.3	−37.7	57.4	68.7	123.2
316	Y73G_100_087$_{dd}$	0.375	1.0	0.125	1.0	0.875	0.562	134	0.358	1.0	0.125	66.1	−40.6	43.1	59.3	133.2	0.677	0.0	0.882	0.0	135	0.266	1.0	0.0	61.9	−46.5	49.3	67.8	133.2
317	Y85G_100_075$_{dd}$	0.375	1.0	0.25	1.0	0.75	0.625	141	0.362	1.0	0.25	67.4	−40.2	30.6	50.5	142.7	0.682	0.0	0.749	0.0	142	0.15	1.0	0.0	58.1	−53.6	40.8	67.4	142.7
318	G00B_100_062$_{dd}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	68.2	−43.0	17.5	46.4	157.7	0.75	0.0	0.625	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
319	G09B_100_062$_{dd}$	0.375	1.0	0.5	1.0	0.625	0.687	161	0.375	1.0	0.489	68.8	−40.3	9.2	41.3	167.1	0.75	0.0	0.5	0.0	159	0.0	1.0	0.183	52.9	−64.5	14.7	66.1	167.1
320	G19B_100_062$_{dd}$	0.375	1.0	0.625	1.0	0.625	0.687	173	0.375	1.0	0.614	69.6	−35.4	−1.1	35.4	181.9	0.712	0.0	0.376	0.0	172	0.0	1.0	0.383	54.1	−56.6	−1.8	56.6	181.9
321	G30B_100_062$_{dd}$	0.375	1.0	0.75	1.0	0.625	0.687	187	0.375	1.0	0.76	70.6	−28.4	−13.3	31.4	205.1	0.707	0.0	0.25	0.0	187	0.0	1.0	0.616	55.7	−45.5	−21.3	50.3	205.1
322	G40B_100_062$_{dd}$	0.375	1.0	0.875	1.0	0.625	0.687	199	0.375	1.0	0.885	71.5	−22.9	−21.4	31.4	223.1	0.695	0.0	0.125	0.0	200	0.0	1.0	0.816	57.1	−36.6	−34.3	50.2	223.1
323	G50B_100_062$_{dd}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	72.2	−18.3	−27.3	32.9	236.1	0.69	0.0	0.001	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031530−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
324	R00Y_050_050$_{dd}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.0	0.845	0.803	0.544	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
325	R26Y_050_050$_{dd}$	0.5	0.0	0.125	0.5	0.5	0.25	376	0.5	0.0	0.116	32.7	32.5	14.8	35.7	24.5	0.0	0.843	0.646	0.549	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
326	R00Y_050_050$_{dd}$	0.5	0.0	0.25	0.5	0.5	0.25	360	0.5	0.0	0.25	32.7	33.8	7.0	34.5	11.6	0.0	0.84	0.452	0.554	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
327	B61R_050_050$_{dd}$	0.5	0.0	0.375	0.5	0.5	0.25	344	0.5	0.0	0.383	32.9	35.3	−0.1	35.3	359.8	0.0	0.838	0.252	0.557	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
328	B50R_050_050$_{dd}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	32.9	36.4	−4.2	36.6	353.3	0.0	0.837	0.118	0.559	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
329	B40R_062_062$_{dd}$	0.5	0.0	0.625	0.625	0.625	0.312	319	0.51	0.0	0.625	34.5	42.4	−8.3	43.2	348.8	0.031	0.871	0.0	0.491	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
330	B34R_075_075$_{dd}$	0.5	0.0	0.75	0.75	0.75	0.375	311	0.512	0.0	0.75	35.9	46.6	−14.1	48.7	343.1	0.25	0.924	0.0	0.348	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
331	B29R_087_087$_{dd}$	0.5	0.0	0.875	0.875	0.875	0.437	305	0.51	0.0	0.875	37.1	50.0	−20.5	54.1	337.7	0.401	0.958	0.0	0.187	305	0.583	0.0	1.0	39.9	57.2	−23.4	61.8	337.7
332	B25R_100_100$_{dd}$	0.5	0.0	1.0	1.0	1.0	0.5	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9	0.5	1.0	0.0	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
333	R23Y_050_050$_{dd}$	0.5	0.125	0.0	0.5	0.5	0.25	44	0.5	0.116	0.0	36.5	22.9	26.1	34.7	48.7	0.0	0.702	0.842	0.549	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
334	R00Y_050_037$_{dd}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	38.5	23.9	15.4	28.5	32.8	0.0	0.695	0.582	0.535	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
335	R18Y_050_037$_{dd}$	0.5	0.125	0.25	0.5	0.375	0.312	371	0.5	0.124	0.243	38.6	24.6	9.4	26.4	20.9	0.0	0.689	0.447	0.541	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
336	B65R_050_037$_{dd}$	0.5	0.125	0.375	0.5	0.375	0.312	349	0.5	0.124	0.381	38.8	26.1	1.5	26.1	3.2	0.0	0.689	0.25	0.548	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
337	B50R_050_037$_{dd}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	38.8	27.3	−3.2	27.5	353.3	0.0	0.688	0.116	0.552	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
338	B38R_062_050$_{dd}$	0.5	0.125	0.625	0.625	0.5	0.375	316	0.508	0.125	0.625	40.3	33.2	−7.2	34.0	347.6	0.006	0.736	0.0	0.494	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
339	B30R_075_062$_{dd}$	0.5	0.125	0.75	0.75	0.625	0.437	307	0.51	0.125	0.75	41.8	36.5	−13.8	39.1	339.2	0.272	0.798	0.0	0.33	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
340	B25R_087_075$_{dd}$	0.5	0.125	0.875	0.875	0.75	0.5	300	0.5	0.125	0.875	42.5	40.3	−19.7	44.9	333.9	0.395	0.836	0.0	0.183	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
341	B20R_100_087$_{dd}$	0.5	0.125	1.0	1.0	0.875	0.562	295	0.489	0.125	1.0	42.7	43.5	−26.0	50.7	329.1	0.485	0.875	0.0	0.013	294	0.416	0.0	1.0	35.1	49.7	−29.7	57.9	329.1
342	R50Y_050_050$_{dd}$	0.5	0.25	0.0	0.5	0.5	0.25	60	0.5	0.25	0.0	42.4	11.3	33.8	35.6	71.4	0.0	0.504	0.84	0.554	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
343	R31Y_050_037$_{dd}$	0.5	0.25	0.125	0.5	0.375	0.312	49	0.5	0.243	0.124	42.8	14.4	21.4	25.8	55.9	0.0	0.536	0.648	0.543	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
344	R00Y_050_025$_{dd}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	44.5	15.9	10.3	19.0	32.8	0.0	0.529	0.414	0.535	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
345	R00Y_050_025$_{dd}$	0.5	0.25	0.375	0.5	0.25	0.375	360	0.5	0.249	0.375	44.6	16.9	3.5	17.2	11.6	0.0	0.521	0.25	0.547	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
346	B50R_050_025$_{dd}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	44.7	18.2	−2.1	18.3	353.3	0.0	0.516	0.091	0.555	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
347	B34R_062_037$_{dd}$	0.5	0.25	0.625	0.625	0.375	0.437	311	0.506	0.25	0.625	46.2	23.3	−7.0	24.3	343.1	0.062	0.587	0.0	0.475	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
348	B25R_075_050$_{dd}$	0.5	0.25	0.75	0.75	0.5	0.5	300	0.5	0.25	0.75	47.2	26.9	−13.1	29.9	333.9	0.284	0.666	0.0	0.327	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
349	B19R_087_062$_{dd}$	0.5	0.25	0.875	0.875	0.625	0.562	293	0.489	0.25	0.875	47.3	30.0	−19.3	35.7	327.2	0.413	0.716	0.0	0.187	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
350	B15R_100_075$_{dd}$	0.5	0.25	1.0	1.0	0.75	0.625	289	0.487	0.25	1.0	48.4	31.8	−26.5	41.4	320.2	0.501	0.749	0.0	0.0	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
351	R76Y_050_050$_{dd}$	0.5	0.375	0.0	0.5	0.5	0.25	76	0.5	0.383	0.0	48.8	0.5	41.9	41.9	89.2	0.0	0.295	0.841	0.553	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
352	R68Y_050_037$_{dd}$	0.5	0.375	0.125	0.5	0.375	0.312	71	0.5	0.381	0.124	49.3	2.6	29.8	29.9	84.9	0.0	0.298	0.708	0.548	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
353	R50Y_050_025$_{dd}$	0.5	0.375	0.25	0.5	0.25	0.375	60	0.5	0.375	0.249	49.5	5.6	16.9	17.8	71.4	0.0	0.323	0.49	0.55	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
354	R00Y_050_012$_{dd}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	50.5	7.9	5.1	9.5	32.8	0.0	0.322	0.234	0.553	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
355	B50R_050_012$_{dd}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	50.6	9.1	−1.0	9.1	353.3	0.0	0.303	0.051	0.569	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
356	B25R_062_025$_{dd}$	0.5	0.375	0.625	0.625	0.25	0.5	300	0.5	0.375	0.625	51.9	13.4	−6.5	14.9	333.9	0.123	0.42	0.0	0.468	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
357	B15R_075_037$_{dd}$	0.5	0.375	0.75	0.75	0.375	0.562	289	0.493	0.375	0.75	52.5	15.9	−13.2	20.7	320.2	0.336	0.511	0.0	0.323	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
358	B11R_087_050$_{dd}$	0.5	0.375	0.875	0.875	0.5	0.625	284	0.491	0.375	0.875	53.6	17.8	−19.8	26.6	311.9	0.47	0.563	0.0	0.167	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
359	B09R_100_062$_{dd}$	0.5	0.375	1.0	1.0	0.625	0.687	281	0.489	0.375	1.0	54.7	21.2	−25.6	33.2	309.5	0.521	0.584	0.0	0.0	279	0.183	0.0	1.0	30.3	33.9	−41.0	53.2	309.5
360	Y00G_050_050$_{dd}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	53.0	−5.9	47.5	47.9	97.1	0.0	0.204	0.868	0.498	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
361	Y00G_050_037$_{dd}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	53.9	−4.4	35.6	35.9	97.1	0.0	0.113	0.735	0.546	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
362	Y00G_050_025$_{dd}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	54.8	−2.9	23.7	23.9	97.1	0.0	0.102	0.542	0.547	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
363	Y00G_050_012$_{dd}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	55.7	−1.4	11.8	11.9	97.1	0.0	0.067	0.313	0.562	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
364	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.026	0.01	0.0	0.581	360	1.0	1.0	0.0	95.4	0.0	0.0	0.0	0.0
365	B00R_062_012$_{dd}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	57.5	2.9	−5.9	6.6	296.4	0.195	0.19	0.0	0.471	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
366	B00R_075_025$_{dd}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	58.4	5.8	−11.8	13.2	296.4	0.352	0.323	0.0	0.335	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
367	B00R_087_037$_{dd}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	59.4	8.8	−17.7	19.8	296.4	0.465	0.412	0.0	0.186	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
368	B00R_100_050$_{dd}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.4	11.7	−23.6	26.4	296.4	0.54	0.457	0.0	0.008	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
369	Y18G_062_062$_{dd}$	0.5	0.625	0.0	0.625	0.625	0.312	101	0.51	0.625	0.0	59.4	−11.2	53.7	54.9	101.7	0.049	0.0	0.881	0.468	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
370	Y23G_062_050$_{dd}$	0.5	0.625	0.125	0.625	0.5	0.375	104	0.508	0.625	0.125	60.2	−9.6	41.8	42.9	102.9	0.056	0.0	0.756	0.467	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
371	Y31G_062_037$_{dd}$	0.5	0.625	0.25	0.625	0.375	0.437	109	0.506	0.625	0.25	60.4	−8.5	29.8	31.0	106.0	0.076	0.0	0.598	0.472	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
372	Y50G_062_025$_{dd}$	0.5	0.625	0.375	0.625	0.25	0.5	120	0.5	0.625	0.375	60.6	−7.8	16.5	18.2	115.3	0.147	0.0	0.414	0.47	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
373	G00B_062_012$_{dd}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	60.8	−8.6	3.5	9.2	157.7	0.312	0.0	0.234	0.441	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
374	G50B_062_012$_{dd}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	61.6	−3.6	−5.4	6.5	236.1	0.256	0.019	0.0	0.453	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
375	G75B_075_025$_{dd}$	0.5	0.625	0.75	0.75	0.25	0.625	240	0.5	0.625	0.75	62.8	−1.5	−11.2	11.3	262.3	0.378	0.158	0.0	0.335	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
376	G84B_087_037$_{dd}$	0.5	0.625	0.875	0.875	0.375	0.687	251	0.5	0.618	0.875	63.3	1.9	−17.2	17.3	276.3	0.485	0.288	0.0	0.191	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
377	G88B_100_050$_{dd}$	0.5	0.625	1.0	1.0	0.5	0.75	256	0.5	0.616	1.0	64.0	5.2	−23.1	23.7	282.8	0.553	0.369	0.0	0.013	257	0.0	0.233	1.0	32.7	10.5	−46.2	47.4	282.8
378	Y31G_075_075$_{dd}$	0.5	0.75	0.0	0.75	0.75	0.375	109	0.512	0.75	0.0	64.3	−17.1	59.6	62.0	106.0	0.223	0.0	0.927	0.339	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
379	Y38G_075_062$_{dd}$	0.5	0.75	0.125	0.75	0.625	0.437	113	0.51	0.75	0.125	64.3	−16.0	47.3	49.9	108.7	0.268	0.0	0.822	0.341	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
380	Y50G_075_050$_{dd}$	0.5	0.75	0.25	0.75	0.5	0.5	120	0.5	0.75	0.25	64.6	−15.6	33.0	36.5	115.3	0.303	0.0	0.66	0.332	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
381	Y68G_075_037$_{dd}$	0.5	0.75	0.375	0.75	0.375	0.562	131	0.493	0.75	0.375	64.6	−15.8	20.1	25.6	128.2	0.373	0.0	0.519	0.317	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
382	G00B_075_025$_{dd}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	65.1	−17.2	7.0	18.5	157.7	0.486	0.0	0.374	0.268	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
383	G25B_075_025$_{dd}$	0.5	0.75	0.625	0.75	0.25	0.625	180	0.5	0.75	0.625	65.8	−12.7	−3.0	13.1	193.5	0.46	0.0	0.194	0.292	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
384	G50B_075_025$_{dd}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	66.7	−7.3	−10.9	13.1	236.1	0.411	0.018	0.0	0.313	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
385	G65B_087_037$_{dd}$	0.5	0.75	0.875	0.875	0.375	0.687	229	0.5	0.756	0.875	68.5	−6.2	−16.6	17.7	249.4	0.506	0.122	0.0	0.185	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
386	G75B_100_050$_{dd}$	0.5	0.75	1.0	1.0	0.5	0.75	240	0.5	0.75	1.0	69.1	−3.0	−22.5	22.7	262.3	0.571	0.23	0.0	0.017	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
387	Y41G_087_087$_{dd}$	0.5	0.875	0.0	0.875	0.875	0.437	115	0.51	0.875	0.0	68.4	−24.0	63.8	68.2	110.6	0.366	0.0	0.965	0.191	114	0.583	1.0	0.0	75.6	−27.5	72.9	78.0	110.6
388	Y50G_087_075$_{dd}$	0.5	0.875	0.125	0.875	0.75	0.5	120	0.5	0.875	0.125	68.7	−23.5	49.5	54.8	115.3	0.416	0.0	0.846	0.184	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
389	Y61G_087_062$_{dd}$	0.5	0.875	0.25	0.875	0.625	0.562	127	0.489	0.875	0.25	69.3	−22.8	36.6	43.2	121.9	0.432	0.0	0.708	0.175	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
390	Y76G_087_050$_{dd}$	0.5	0.875	0.375	0.875	0.5	0.625	136	0.491	0.875	0.375	68.2	−24.4	23.3	33.8	136.2	0.529	0.0	0.601	0.158	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
391	G00B_087_037$_{dd}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.4	−25.8	10.5	27.8	157.7	0.599	0.0	0.469	0.093	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
392	G15B_087_037$_{dd}$	0.5	0.875	0.625	0.875	0.375	0.687	169	0.5	0.875	0.618	70.0	−22.3	1.4	22.3	176.3	0.59	0.0	0.349	0.109	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
393	G34B_087_037$_{dd}$	0.5	0.875	0.75	0.875	0.375	0.687	191	0.5	0.875	0.756	71.0	−15.9	−9.8	18.7	211.7	0.557	0.0	0.157	0.148	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
394	G50B_087_037$_{dd}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	71.8	−10.9	−16.4	19.7	236.1	0.523	0.014	0.0	0.168	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
395	G61B_100_050$_{dd}$	0.5	0.875	1.0	1.0	0.5	0.75	224	0.5	0.883	1.0	73.8	−10.2	−22.0	24.3	245.1	0.585	0.095	0.0	0.013	222	0.0	0.766	1.0	52.2	−20.4	−44.1	48.6	245.1
396	Y50G_100_100$_{dd}$	0.5	1.0	0.0	1.0	1.0	0.5	120	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3	0.498	0.0	0.999	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
397	Y58G_100_087$_{dd}$	0.5	1.0	0.125	1.0	0.875	0.562	125	0.489	1.0	0.125	73.3	−30.8	53.2	61.4	120.0	0.5	0.0	0.875	0.0	125	0.416	1.0	0.0	70.2	−35.2	60.8	70.2	120.0
398	Y68G_100_075$_{dd}$	0.5	1.0	0.25	1.0	0.75	0.625	131	0.487	1.0	0.25	72.7	−31.7	40.2	51.2	128.2	0.536	0.0	0.761	0.0	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
399	Y81G_100_062$_{dd}$	0.5	1.0	0.375	1.0	0.625	0.687	139	0.489	1.0	0.375	72.6	−32.3	27.0	42.1	140.1	0.593	0.0	0.635	0.0	140	0.183	1.0	0.0	59.0	−51.8	43.2	67.4	140.1
400	G00B_100_050$_{dd}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	73.7	−34.4	14.0	37.1	157.7	0.634	0.0	0.498	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
401	G11B_100_050$_{dd}$	0.5	1.0	0.625	1.0	0.5	0.75	164	0.5	1.0	0.616	74.3	−31.3	5.5	31.8	170.0	0.631	0.0	0.376	0.0	162	0.0	1.0	0.233	53.2	−62.6	11.0	63.6	170.0
402	G25B_100_050$_{dd}$	0.5	1.0	0.75	1.0	0.5	0.75	180	0.5	1.0	0.75	75.1	−25.5	−6.1	26.2	193.5	0.623	0.0	0.259	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
403	G38B_100_050$_{dd}$	0.5	1.0	0.875	1.0	0.5	0.75	196	0.5	1.0	0.883	76.1	−19.2	−15.8	24.9	219.6	0.616	0.0	0.125	0.0	197	0.0	1.0	0.766	56.8	−38.4	−31.7	49.8	219.6
404	G50B_100_050$_{dd}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.9	−14.6	−21.8	26.3	236.1	0.597	0.0	0.004	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031630−F0

TUB enregistrement: 20130201-PF54/PF54L0FA.TXT /.PS TUB matériel: code=rha4ta
application pour la mesure des sorties sur offset, séparation cmyn6* (CMYK)

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
405	R00Y_062_062$_{dd}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	39.9	25.7	47.5	32.8	0.0	0.901	0.873	0.418	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
406	R31Y_062_062$_{dd}$	0.625	0.0	0.125	0.625	0.625	0.312	379	0.625	0.0	0.114	36.3	40.5	20.1	45.2	26.4	0.0	0.9	0.725	0.419	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
407	R11Y_062_062$_{dd}$	0.625	0.0	0.25	0.625	0.625	0.312	367	0.625	0.0	0.239	36.5	41.4	13.3	43.5	17.8	0.0	0.898	0.577	0.423	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
408	B69R_062_062$_{dd}$	0.625	0.0	0.375	0.625	0.625	0.312	353	0.625	0.0	0.385	36.6	43.0	4.7	43.3	6.2	0.0	0.895	0.386	0.427	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
409	B59R_062_062$_{dd}$	0.625	0.0	0.5	0.625	0.625	0.312	341	0.625	0.0	0.51	36.7	44.4	−1.3	44.4	358.3	0.0	0.894	0.226	0.429	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
410	B50R_062_062$_{dd}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	36.8	45.5	−5.3	45.8	353.3	0.0	0.894	0.107	0.433	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
411	B42R_075_075$_{dd}$	0.625	0.0	0.75	0.75	0.75	0.375	321	0.637	0.0	0.75	38.4	51.6	−9.4	52.4	349.6	0.026	0.921	0.0	0.358	322	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349.6
412	B36R_087_087$_{dd}$	0.625	0.0	0.875	0.875	0.875	0.437	314	0.641	0.0	0.875	39.7	56.9	−13.9	58.6	346.2	0.196	0.959	0.0	0.215	315	0.733	0.0	1.0	42.8	65.0	−15.9	66.9	346.2
413	B31R_100_100$_{dd}$	0.625	0.0	1.0	1.0	1.0	0.5	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1	0.367	1.0	0.0	0.0	308	0.633	0.0	1.0	41.1	59.3	−21.4	63.0	340.1
414	R18Y_062_062$_{dd}$	0.625	0.125	0.0	0.625	0.625	0.312	41	0.625	0.114	0.0	40.0	31.3	31.2	44.2	44.9	0.0	0.776	0.899	0.423	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
415	R00Y_062_050$_{dd}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	31.9	20.6	38.0	32.8	0.0	0.764	0.648	0.401	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
416	R26Y_062_050$_{dd}$	0.625	0.125	0.25	0.625	0.5	0.375	376	0.625	0.125	0.241	42.4	32.5	14.8	35.7	24.5	0.0	0.76	0.534	0.404	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
417	R00Y_062_050$_{dd}$	0.625	0.125	0.375	0.625	0.5	0.375	360	0.625	0.125	0.375	42.4	33.8	7.0	34.5	11.6	0.0	0.762	0.383	0.412	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
418	B61R_062_050$_{dd}$	0.625	0.125	0.5	0.625	0.5	0.375	344	0.625	0.125	0.508	42.6	35.3	−0.1	35.3	359.8	0.0	0.761	0.22	0.417	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
419	B50R_062_050$_{dd}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	42.7	36.4	−4.2	36.6	353.3	0.0	0.762	0.109	0.422	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
420	B40R_075_062$_{dd}$	0.625	0.125	0.75	0.75	0.625	0.437	319	0.635	0.125	0.75	44.2	42.4	−8.3	43.2	348.8	0.014	0.801	0.0	0.353	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
421	B34R_087_075$_{dd}$	0.625	0.125	0.875	0.875	0.75	0.5	311	0.637	0.125	0.875	45.6	46.6	−14.1	48.7	343.1	0.219	0.849	0.0	0.193	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
422	B29R_100_087$_{dd}$	0.625	0.125	1.0	1.0	0.875	0.562	305	0.635	0.125	1.0	46.9	50.0	−20.5	54.1	337.7	0.352	0.87	0.0	0.0	305	0.583	0.0	1.0	39.9	57.2	−23.4	61.8	337.7
423	R38Y_062_062$_{dd}$	0.625	0.25	0.0	0.625	0.625	0.312	53	0.625	0.239	0.0	45.2	20.3	38.0	43.1	61.8	0.0	0.615	0.897	0.427	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
424	R23Y_062_050$_{dd}$	0.625	0.25	0.125	0.625	0.5	0.375	44	0.625	0.241	0.125	46.2	22.9	26.1	34.7	48.7	0.0	0.636	0.699	0.407	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
425	R00Y_062_037$_{dd}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.2	23.9	15.4	28.5	32.8	0.0	0.626	0.49	0.39	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
426	R18Y_062_037$_{dd}$	0.625	0.25	0.375	0.625	0.375	0.437	371	0.625	0.25	0.368	48.4	24.6	9.4	26.4	20.9	0.0	0.624	0.376	0.398	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
427	B65R_062_037$_{dd}$	0.625	0.25	0.5	0.625	0.375	0.437	349	0.625	0.25	0.506	48.5	26.1	1.5	26.1	3.2	0.0	0.622	0.209	0.408	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
428	B50R_062_037$_{dd}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	48.6	27.3	−3.2	27.5	353.3	0.0	0.621	0.094	0.415	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
429	B38R_075_050$_{dd}$	0.625	0.25	0.75	0.75	0.5	0.5	316	0.633	0.25	0.75	50.0	33.2	−7.2	34.0	347.6	0.012	0.668	0.0	0.349	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
430	B30R_087_062$_{dd}$	0.625	0.25	0.875	0.875	0.625	0.562	307	0.635	0.25	0.875	51.5	36.5	−13.8	39.1	339.2	0.235	0.722	0.0	0.177	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
431	B25R_100_075$_{dd}$	0.625	0.25	1.0	1.0	0.75	0.625	300	0.625	0.25	1.0	52.2	40.3	−19.7	44.9	333.9	0.343	0.76	0.0	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
432	R61Y_062_062$_{dd}$	0.625	0.375	0.0	0.625	0.625	0.312	67	0.625	0.385	0.0	52.3	7.4	47.2	47.8	81.0	0.0	0.413	0.898	0.424	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
433	R50Y_062_050$_{dd}$	0.625	0.375	0.125	0.625	0.5	0.375	60	0.625	0.375	0.125	52.1	11.3	33.8	35.6	71.4	0.0	0.45	0.741	0.41	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
434	R31Y_062_037$_{dd}$	0.625	0.375	0.25	0.625	0.375	0.437	49	0.625	0.368	0.25	52.6	14.4	21.4	25.8	55.9	0.0	0.481	0.554	0.4	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
435	R00Y_062_025$_{dd}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.2	15.9	10.3	19.0	32.8	0.0	0.474	0.339	0.394	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
436	R00Y_062_025$_{dd}$	0.625	0.375	0.5	0.625	0.25	0.5	360	0.625	0.375	0.5	54.3	16.9	3.5	17.2	11.6	0.0	0.466	0.203	0.407	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
437	B50R_062_025$_{dd}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	54.5	18.2	−2.1	18.3	353.3	0.0	0.463	0.07	0.416	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
438	B34R_075_037$_{dd}$	0.625	0.375	0.75	0.75	0.375	0.562	311	0.631	0.375	0.75	55.9	23.3	−7.0	24.3	343.1	0.056	0.529	0.0	0.334	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
439	B25R_087_050$_{dd}$	0.625	0.375	0.875	0.875	0.5	0.625	300	0.625	0.375	0.875	56.9	26.9	−13.1	29.9	333.9	0.243	0.599	0.0	0.175	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
440	B19R_100_062$_{dd}$	0.625	0.375	1.0	1.0	0.625	0.687	293	0.614	0.375	1.0	57.1	30.0	−19.3	35.7	327.2	0.355	0.645	0.0	0.0	292	0.383	0.0	1.0	34.0	48.0	−30.9	57.1	327.2
441	R81Y_062_062$_{dd}$	0.625	0.5	0.0	0.625	0.625	0.312	79	0.625	0.51	0.0	57.8	−1.2	54.1	54.1	91.2	0.0	0.245	0.901	0.418	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
442	R76Y_062_050$_{dd}$	0.625	0.5	0.125	0.625	0.5	0.375	76	0.625	0.508	0.125	58.5	0.5	41.9	41.9	89.2	0.0	0.251	0.776	0.411	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
443	R68Y_062_037$_{dd}$	0.625	0.5	0.25	0.625	0.375	0.437	71	0.625	0.506	0.25	59.1	2.6	29.8	29.9	84.9	0.0	0.26	0.607	0.409	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
444	R50Y_062_025$_{dd}$	0.625	0.5	0.375	0.625	0.25	0.5	60	0.625	0.5	0.375	59.2	5.6	16.9	17.8	71.4	0.0	0.284	0.41	0.412	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
445	R00Y_062_012$_{dd}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.2	7.9	5.1	9.5	32.8	0.0	0.283	0.187	0.416	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
446	B50R_062_012$_{dd}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	60.4	9.1	−1.0	9.1	353.3	0.0	0.267	0.036	0.432	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
447	B25R_075_025$_{dd}$	0.625	0.5	0.75	0.75	0.25	0.625	300	0.625	0.5	0.75	61.6	13.4	−6.5	14.9	333.9	0.103	0.371	0.0	0.328	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
448	B15R_087_037$_{dd}$	0.625	0.5	0.875	0.875	0.375	0.687	289	0.618	0.5	0.875	62.2	15.9	−13.2	20.7	320.2	0.288	0.458	0.0	0.175	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
449	B11R_100_050$_{dd}$	0.625	0.5	1.0	1.0	0.5	0.75	284	0.616	0.5	1.0	63.3	17.8	−19.8	26.6	311.9	0.39	0.477	0.0	0.0	282	0.233	0.0	1.0	31.2	35.6	−39.6	53.3	311.9
450	Y00G_062_062$_{dd}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	61.8	−7.4	59.4	59.9	97.1	0.0	0.161	0.915	0.376	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
451	Y00G_062_050$_{dd}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	62.7	−5.9	47.5	47.9	97.1	0.0	0.091	0.793	0.413	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
452	Y00G_062_037$_{dd}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	63.6	−4.4	35.6	35.9	97.1	0.0	0.095	0.633	0.41	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
453	Y00G_062_025$_{dd}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	64.5	−2.9	23.7	23.9	97.1	0.0	0.085	0.462	0.414	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
454	Y00G_062_012$_{dd}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	65.4	−1.4	11.8	11.9	97.1	0.0	0.057	0.259	0.428	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
455	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
456	B00R_075_012$_{dd}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	67.2	2.9	−5.9	6.6	296.4	0.164	0.164	0.0	0.331	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
457	B00R_087_025$_{dd}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	68.2	5.8	−11.8	13.2	296.4	0.303	0.281	0.0	0.187	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
458	B00R_100_037$_{dd}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	69.1	8.8	−17.7	19.8	296.4	0.395	0.355	0.0	0.011	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
459	Y15G_075_075$_{dd}$	0.625	0.75	0.0	0.75	0.75	0.375	99	0.637	0.75	0.0	68.3	−12.7	65.6	66.8	100.9	0.078	0.0	0.933	0.319	97	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100.9
460	Y18G_075_062$_{dd}$	0.625	0.75	0.125	0.75	0.625	0.437	101	0.635	0.75	0.125	69.1	−11.2	53.7	54.9	101.7	0.064	0.0	0.802	0.328	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
461	Y23G_075_050$_{dd}$	0.625	0.75	0.25	0.75	0.5	0.5	104	0.633	0.75	0.25	69.9	−9.6	41.8	42.9	102.9	0.051	0.0	0.658	0.335	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
462	Y31G_075_037$_{dd}$	0.625	0.75	0.375	0.75	0.375	0.562	109	0.631	0.75	0.375	70.1	−8.5	29.8	31.0	106.0	0.069	0.0	0.515	0.339	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
463	Y50G_075_025$_{dd}$	0.625	0.75	0.5	0.75	0.25	0.625	120	0.625	0.75	0.5	70.3	−7.8	16.5	18.2	115.3	0.131	0.0	0.351	0.331	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
464	G00B_075_012$_{dd}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	70.5	−8.6	3.5	9.2	157.7	0.274	0.0	0.201	0.292	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
465	G50B_075_012$_{dd}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	71.3	−3.6	−5.4	6.5	236.1	0.224	0.015	0.0	0.308	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
466	G75B_087_025$_{dd}$	0.625	0.75	0.875	0.875	0.25	0.75	240	0.625	0.75	0.875	72.5	−1.5	−11.2	11.3	262.3	0.329	0.134	0.0	0.187	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
467	G84B_100_037$_{dd}$	0.625	0.75	1.0	1.0	0.375	0.812	251	0.625	0.743	1.0	73.0	1.9	−17.2	17.3	276.3	0.416	0.236	0.0	0.021	251	0.0	0.316	1.0	35.7	5.1	−45.8	46.1	276.3
468	Y26G_087_087$_{dd}$	0.625	0.875	0.0	0.875	0.875	0.437	106	0.641	0.875	0.0	74.1	−17.9	71.8	74.0	104.0	0.237	0.0	0.966	0.171	104	0.733	1.0	0.0	82.2	−20.5	82.1	84.6	104.0
469	Y31G_087_075$_{dd}$	0.625	0.875	0.125	0.875	0.75	0.5	109	0.637	0.875	0.125	74.0	−17.1	59.6	62.0	106.0	0.235	0.0	0.847	0.183	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
470	Y38G_087_062$_{dd}$	0.625	0.875	0.25	0.875	0.625	0.562	113	0.635	0.875	0.25	74.0	−16.0	47.3	49.9	108.7	0.237	0.0	0.717	0.194	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
471	Y50G_087_050$_{dd}$	0.625	0.875	0.375	0.875	0.5	0.625	120	0.625	0.875	0.375	74.4	−15.6	33.0	36.5	115.3	0.269	0.0	0.574	0.186	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
472	Y68G_087_037$_{dd}$	0.625	0.875	0.5	0.875	0.375	0.687	131	0.618	0.875	0.5	74.3	−15.8	20.1	25.6	128.2	0.33	0.0	0.453	0.168	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
473	G00B_087_025$_{dd}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	74.8	−17.2	7.0	18.5	157.7	0.435	0.0	0.336	0.117	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
474	G25B_087_025$_{dd}$	0.625	0.875	0.75	0.875	0.25	0.75	180	0.625	0.875	0.75	75.5	−12.7	−3.0	13.1	193.5	0.409	0.0	0.175	0.145	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
475	G50B_087_025$_{dd}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	76.4	−7.3	−10.9	13.1	236.1	0.358	0.013	0.0	0.169	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
476	G65B_100_037$_{dd}$	0.625	0.875	1.0	1.0	0.375	0.812	229	0.625	0.881	1.0	78.2	−6.2	−16.6	17.7	249.4	0.437	0.1	0.0	0.02	228	0.0	0.683	1.0	49.6	−16.6	−44.3	47.4	249.4
477	Y36G_100_100$_{dd}$	0.625	1.0	0.0	1.0	1.0	0.5	112	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9	0.368	0.0	1.0	0.0	111	0.633	1.0	0.0	77.4	−24.9	76.8	80.7	107.9
478	Y41G_100_087$_{dd}$	0.625	1.0	0.125	1.0	0.875	0.562	115	0.635	1.0	0.125	78.1	−24.0	63.8	68.2	110.6	0.373	0.0	0.873	0.001	114	0.583	1.0	0.0	75.6	−27.5	72.9	78.0	110.6
479	Y50G_100_075$_{dd}$	0.625	1.0	0.25	1.0	0.75	0.625	120	0.625	1.0	0.25	78.4	−23.5	49.5	54.8	115.3	0.373	0.0	0.736	0.0	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
480	Y61G_100_062$_{dd}$	0.625	1.0	0.375	1.0	0.625	0.687	127	0.614	1.0	0.375	79.0	−22.8	36.6	43.2	121.9	0.37	0.0	0.606	0.0	127	0.383	1.0	0.0	69.1	−36.5	58.6	69.1	121.9
481	Y76G_100_050$_{dd}$	0.625	1.0	0.5	1.0	0.5	0.75	136	0.616	1.0	0.5	77.9	−24.4	23.3	33.8	136.2	0.444	0.0	0.502	0.0	137	0.233	1.0	0.0	60.4	−48.8	46.7	67.6	136.2
482	G00B_100_037$_{dd}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	79.1	−25.8	10.5	27.8	157.7	0.489	0.0	0.376	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
483	G15B_100_037$_{dd}$	0.625	1.0	0.75	1.0	0.375	0.812	169	0.625	1.0	0.743	79.8	−22.3	1.4	22.3	176.3	0.484	0.0	0.25	0.0	168	0.0	1.0	0.316	53.7	−59.5	3.7	59.6	176.3
484	G34B_100_037$_{dd}$	0.625	1.0	0.875	1.0	0.375	0.812	191	0.625	1.0	0.881	80.7	−15.9	−9.8	18.7	211.7	0.477	0.0	0.125	0.0	191	0.0	1.0	0.683	56.2	−42.4	−26.3	49.9	211.7
485	G50B_100_037$_{dd}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	81.5	−10.9	−16.4	19.7	236.1	0.455	0.0	0.002	0.001	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031730−F0

n	HIC*$_{Fdd}$	*rgb*$_{\_Fdd}$			*ict*$_{\_Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$				*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
486	R00Y_075_075$_{dd}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.9	47.9	30.9	57.0	32.8	0.0	0.934	0.912	0.285	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
487	R35Y_075_075$_{dd}$	0.75	0.0	0.125	0.75	0.75	0.375	381	0.75	0.0	0.112	40.0	48.4	25.4	54.7	27.6	0.0	0.934	0.771	0.286	382	1.0	0.0	0.15	47.5	64.6	33.9	72.9	27.6
488	R18Y_075_075$_{dd}$	0.75	0.0	0.25	0.75	0.75	0.375	371	0.75	0.0	0.237	40.2	49.3	18.8	52.8	20.9	0.0	0.931	0.636	0.289	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
489	R00Y_075_075$_{dd}$	0.75	0.0	0.375	0.75	0.75	0.375	360	0.75	0.0	0.375	40.2	50.7	10.5	51.8	11.6	0.0	0.933	0.483	0.291	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
490	B65R_075_075$_{dd}$	0.75	0.0	0.5	0.75	0.75	0.375	349	0.75	0.0	0.512	40.5	52.3	3.0	52.3	3.2	0.0	0.928	0.327	0.291	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
491	B57R_075_075$_{dd}$	0.75	0.0	0.625	0.75	0.75	0.375	339	0.75	0.0	0.637	40.6	53.5	−2.5	53.6	357.2	0.0	0.926	0.189	0.294	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357.2
492	B50R_075_075$_{dd}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.6	54.6	−6.4	55.0	353.3	0.0	0.929	0.074	0.301	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
493	B43R_087_087$_{dd}$	0.75	0.0	0.875	0.875	0.875	0.437	322	0.758	0.0	0.875	42.2	60.6	−10.6	61.5	350.0	0.095	0.959	0.0	0.184	322	0.866	0.0	1.0	45.7	69.2	−12.1	70.3	350.0
494	B38R_100_100$_{dd}$	0.75	0.0	1.0	1.0	1.0	0.5	316	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6	0.234	0.999	0.0	0.0	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
495	R15Y_075_075$_{dd}$	0.75	0.125	0.0	0.75	0.75	0.375	39	0.75	0.112	0.0	43.5	39.6	36.1	53.6	42.3	0.0	0.81	0.936	0.285	37	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42.3
496	R00Y_075_062$_{dd}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.9	39.9	25.7	47.5	32.8	0.0	0.792	0.701	0.257	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
497	R31Y_075_062$_{dd}$	0.75	0.125	0.25	0.75	0.625	0.437	379	0.75	0.125	0.239	46.1	40.5	20.1	45.2	26.4	0.0	0.793	0.598	0.26	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
498	R11Y_075_062$_{dd}$	0.75	0.125	0.375	0.75	0.625	0.437	367	0.75	0.125	0.364	46.2	41.4	13.3	43.5	17.8	0.0	0.797	0.483	0.264	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
499	B69R_075_062$_{dd}$	0.75	0.125	0.5	0.75	0.625	0.437	353	0.75	0.125	0.51	46.3	43.0	4.7	43.3	6.2	0.0	0.797	0.331	0.268	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
500	B59R_075_062$_{dd}$	0.75	0.125	0.625	0.75	0.625	0.437	341	0.75	0.125	0.635	46.5	44.4	−1.3	44.4	358.3	0.0	0.8	0.194	0.271	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
501	B50R_075_062$_{dd}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.5	45.5	−5.3	45.8	353.3	0.0	0.802	0.084	0.277	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
502	B42R_087_075$_{dd}$	0.75	0.125	0.875	0.875	0.75	0.5	321	0.762	0.125	0.875	48.1	51.6	−9.4	52.4	349.6	0.05	0.831	0.0	0.189	322	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349.6
503	B36R_100_087$_{dd}$	0.75	0.125	1.0	1.0	0.875	0.562	314	0.766	0.125	1.0	49.4	56.9	−13.9	58.6	346.2	0.196	0.873	0.0	0.01	315	0.733	0.0	1.0	42.8	65.0	−15.9	66.9	346.2
504	R31Y_075_075$_{dd}$	0.75	0.25	0.0	0.75	0.75	0.375	49	0.75	0.237	0.0	48.6	28.9	42.8	51.7	55.9	0.0	0.667	0.941	0.29	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
505	R18Y_075_062$_{dd}$	0.75	0.25	0.125	0.75	0.625	0.437	41	0.75	0.239	0.125	49.7	31.3	31.2	44.2	44.9	0.0	0.683	0.753	0.27	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
506	R00Y_075_050$_{dd}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.0	0.672	0.561	0.252	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
507	R26Y_075_050$_{dd}$	0.75	0.25	0.375	0.75	0.5	0.5	376	0.75	0.25	0.366	52.1	32.5	14.8	35.7	24.5	0.0	0.671	0.465	0.256	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
508	R00Y_075_050$_{dd}$	0.75	0.25	0.5	0.75	0.5	0.5	360	0.75	0.25	0.5	52.1	33.8	7.0	34.5	11.6	0.0	0.671	0.33	0.264	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
509	B61R_075_050$_{dd}$	0.75	0.25	0.625	0.75	0.5	0.5	344	0.75	0.25	0.633	52.3	35.3	−0.1	35.3	359.8	0.0	0.676	0.185	0.27	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
510	B50R_075_050$_{dd}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.4	36.4	−4.2	36.6	353.3	0.0	0.678	0.084	0.274	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
511	B40R_087_062$_{dd}$	0.75	0.25	0.875	0.875	0.625	0.562	319	0.76	0.25	0.875	53.9	42.4	−8.3	43.2	348.8	0.032	0.714	0.0	0.196	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
512	B34R_100_075$_{dd}$	0.75	0.25	1.0	1.0	0.75	0.625	311	0.762	0.25	1.0	55.3	46.6	−14.1	48.7	343.1	0.208	0.762	0.0	0.0	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
513	R50Y_075_075$_{dd}$	0.75	0.375	0.0	0.75	0.75	0.375	60	0.75	0.375	0.0	54.8	16.9	50.7	53.4	71.4	0.0	0.514	0.94	0.293	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
514	R38Y_075_062$_{dd}$	0.75	0.375	0.125	0.75	0.625	0.437	53	0.75	0.364	0.125	55.0	20.3	38.0	43.1	61.8	0.0	0.532	0.79	0.279	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
515	R23Y_075_050$_{dd}$	0.75	0.375	0.25	0.75	0.5	0.5	44	0.75	0.366	0.25	55.9	22.9	26.1	34.7	48.7	0.0	0.556	0.613	0.263	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
516	R00Y_075_037$_{dd}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.9	23.9	15.4	28.5	32.8	0.0	0.546	0.436	0.25	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
517	R18Y_075_037$_{dd}$	0.75	0.375	0.5	0.75	0.375	0.562	371	0.75	0.375	0.493	58.1	24.6	9.4	26.4	20.9	0.0	0.543	0.331	0.259	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
518	B65R_075_037$_{dd}$	0.75	0.375	0.625	0.75	0.375	0.562	349	0.75	0.375	0.631	58.2	26.1	1.5	26.1	3.2	0.0	0.546	0.184	0.269	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
519	B50R_075_037$_{dd}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	58.3	27.3	−3.2	27.5	353.3	0.0	0.546	0.078	0.273	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
520	B38R_087_050$_{dd}$	0.75	0.375	0.875	0.875	0.5	0.625	316	0.758	0.375	0.875	59.7	33.2	−7.2	34.0	347.6	0.028	0.594	0.0	0.199	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
521	B30R_100_062$_{dd}$	0.75	0.375	1.0	1.0	0.625	0.687	307	0.76	0.375	1.0	61.2	36.5	−13.8	39.1	339.2	0.212	0.633	0.0	0.0	307	0.616	0.0	1.0	40.7	58.5	−22.1	62.5	339.2
522	R68Y_075_075$_{dd}$	0.75	0.5	0.0	0.75	0.75	0.375	71	0.75	0.512	0.0	61.6	5.2	59.6	59.8	84.9	0.0	0.345	0.94	0.291	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
523	R61Y_075_062$_{dd}$	0.75	0.5	0.125	0.75	0.625	0.437	67	0.75	0.51	0.125	62.1	7.4	47.2	47.8	81.0	0.0	0.353	0.822	0.283	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
524	R50Y_075_050$_{dd}$	0.75	0.5	0.25	0.75	0.5	0.5	60	0.75	0.5	0.25	61.9	11.3	33.8	35.6	71.4	0.0	0.389	0.66	0.274	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
525	R31Y_075_037$_{dd}$	0.75	0.5	0.375	0.75	0.375	0.562	49	0.75	0.493	0.375	62.3	14.4	21.4	25.8	55.9	0.0	0.417	0.496	0.265	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
526	R00Y_075_025$_{dd}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	64.0	15.9	10.3	19.0	32.8	0.0	0.41	0.305	0.26	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
527	R00Y_075_025$_{dd}$	0.75	0.5	0.625	0.75	0.25	0.625	360	0.75	0.5	0.625	64.1	16.9	3.5	17.2	11.6	0.0	0.406	0.183	0.272	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
528	B50R_075_025$_{dd}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	64.2	18.2	−2.1	18.3	353.3	0.0	0.401	0.06	0.28	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
529	B34R_087_037$_{dd}$	0.75	0.5	0.875	0.875	0.375	0.687	311	0.756	0.5	0.875	65.7	23.3	−7.0	24.3	343.1	0.066	0.47	0.0	0.188	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
530	B25R_100_050$_{dd}$	0.75	0.5	1.0	1.0	0.5	0.75	300	0.75	0.5	1.0	66.6	26.9	−13.1	29.9	333.9	0.227	0.512	0.0	0.0	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
531	R85Y_075_075$_{dd}$	0.75	0.625	0.0	0.75	0.75	0.375	81	0.75	0.637	0.0	66.8	−3.0	66.1	66.2	92.6	0.0	0.193	0.941	0.29	81	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92.6
532	R81Y_075_062$_{dd}$	0.75	0.625	0.125	0.75	0.625	0.437	79	0.75	0.635	0.125	67.5	−1.2	54.1	54.1	91.2	0.0	0.211	0.838	0.282	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
533	R76Y_075_050$_{dd}$	0.75	0.625	0.25	0.75	0.5	0.5	76	0.75	0.633	0.25	68.2	0.5	41.9	41.9	89.2	0.0	0.22	0.695	0.277	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
534	R68Y_075_037$_{dd}$	0.75	0.625	0.375	0.75	0.375	0.562	71	0.75	0.631	0.375	68.8	2.6	29.8	29.9	84.9	0.0	0.23	0.546	0.275	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
535	R50Y_075_025$_{dd}$	0.75	0.625	0.5	0.75	0.25	0.625	60	0.75	0.625	0.5	68.9	5.6	16.9	17.8	71.4	0.0	0.246	0.368	0.28	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
536	R00Y_075_012$_{dd}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	70.0	7.9	5.1	9.5	32.8	0.0	0.244	0.168	0.283	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
537	B50R_075_012$_{dd}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	70.1	9.1	−1.0	9.1	353.3	0.0	0.229	0.03	0.298	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
538	B25R_087_025$_{dd}$	0.75	0.625	0.875	0.875	0.25	0.75	300	0.75	0.625	0.875	71.3	13.4	−6.5	14.9	333.9	0.103	0.33	0.0	0.187	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
539	B15R_100_037$_{dd}$	0.75	0.625	1.0	1.0	0.375	0.812	289	0.743	0.625	1.0	71.9	15.9	−13.2	20.7	320.2	0.267	0.395	0.0	0.0	288	0.316	0.0	1.0	32.7	42.4	−35.3	55.3	320.2
540	Y00G_075_075$_{dd}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	70.7	−8.9	71.3	71.9	97.1	0.0	0.057	0.94	0.292	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
541	Y00G_075_062$_{dd}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	71.5	−7.4	59.4	59.9	97.1	0.0	0.077	0.849	0.282	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
542	Y00G_075_050$_{dd}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−5.9	47.5	47.9	97.1	0.0	0.089	0.714	0.276	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
543	Y00G_075_037$_{dd}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.3	−4.4	35.6	35.9	97.1	0.0	0.092	0.574	0.274	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
544	Y00G_075_025$_{dd}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	74.2	−2.9	23.7	23.9	97.1	0.0	0.08	0.419	0.279	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
545	Y00G_075_012$_{dd}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	75.1	−1.4	11.8	11.9	97.1	0.0	0.051	0.23	0.293	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
546	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.018	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
547	B00R_087_012$_{dd}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	76.9	2.9	−5.9	6.6	296.4	0.149	0.141	0.0	0.188	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
548	B00R_100_025$_{dd}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	77.9	5.8	−11.8	13.2	296.4	0.283	0.233	0.0	0.013	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
549	Y13G_087_087$_{dd}$	0.75	0.875	0.0	0.875	0.875	0.437	98	0.758	0.875	0.0	77.1	−14.4	77.2	78.5	100.5	0.08	0.0	0.966	0.183	97	0.866	1.0	0.0	85.6	−16.4	88.2	89.7	100.5
550	Y15G_087_075$_{dd}$	0.75	0.875	0.125	0.875	0.75	0.5	99	0.762	0.875	0.125	78.1	−12.7	65.6	66.8	100.9	0.07	0.0	0.865	0.19	97	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100.9
551	Y18G_087_062$_{dd}$	0.75	0.875	0.25	0.875	0.625	0.562	101	0.76	0.875	0.25	78.9	−11.2	53.7	54.9	101.7	0.054	0.0	0.736	0.196	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
552	Y23G_087_050$_{dd}$	0.75	0.875	0.375	0.875	0.5	0.625	104	0.758	0.875	0.375	79.7	−9.6	41.8	42.9	102.9	0.044	0.0	0.605	0.2	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
553	Y31G_087_037$_{dd}$	0.75	0.875	0.5	0.875	0.375	0.687	109	0.756	0.875	0.5	79.8	−8.5	29.8	31.0	106.0	0.062	0.0	0.479	0.203	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
554	Y50G_087_025$_{dd}$	0.75	0.875	0.625	0.875	0.25	0.75	120	0.75	0.875	0.625	80.0	−7.8	16.5	18.2	115.3	0.122	0.0	0.32	0.19	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
555	G00B_087_012$_{dd}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	80.3	−8.6	3.5	9.2	157.7	0.25	0.0	0.174	0.149	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
556	G50B_087_012$_{dd}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.1	−3.6	−5.4	6.5	236.1	0.202	0.011	0.0	0.167	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
557	G75B_100_025$_{dd}$	0.75	0.875	1.0	1.0	0.25	0.875	240	0.75	0.875	1.0	82.3	−1.5	−11.2	11.3	262.3	0.3	0.115	0.0	0.019	240	0.0	0.5	1.0	42.7	−6.0	−45.0	45.4	262.3
558	Y23G_100_100$_{dd}$	0.75	1.0	0.0	1.0	1.0	0.5	104	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9	0.234	0.0	1.0	0.0	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
559	Y26G_100_087$_{dd}$	0.75	1.0	0.125	1.0	0.875	0.562	106	0.766	1.0	0.125	83.8	−17.9	71.8	74.0	104.0	0.214	0.0	0.893	0.012	104	0.733	1.0	0.0	82.2	−20.5	82.1	84.6	104.0
560	Y31G_100_075$_{dd}$	0.75	1.0	0.25	1.0	0.75	0.625	109	0.762	1.0	0.25	83.7	−17.1	59.6	62.0	106.0	0.221	0.0	0.787	0.025	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
561	Y38G_100_062$_{dd}$	0.75	1.0	0.375	1.0	0.625	0.687	113	0.76	1.0	0.375	83.8	−16.0	47.3	49.9	108.7	0.228	0.0	0.672	0.034	112	0.616	1.0	0.0	76.8	−25.7	75.6	79.9	108.7
562	Y50G_100_050$_{dd}$	0.75	1.0	0.5	1.0	0.5	0.75	120	0.75	1.0	0.5	84.1	−15.6	33.0	36.5	115.3	0.258	0.0	0.536	0.018	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
563	Y68G_100_037$_{dd}$	0.75	1.0	0.625	1.0	0.375	0.812	131	0.743	1.0	0.625	84.1	−15.8	20.1	25.6	128.2	0.304	0.0	0.407	0.0	131	0.316	1.0	0.0	65.1	−42.3	53.6	68.2	128.2
564	G00B_100_025$_{dd}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.5	−17.2	7.0	18.5	157.7	0.352	0.0	0.25	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
565	G25B_100_025$_{dd}$	0.75	1.0	0.875	1.0	0.25	0.875	180	0.75	1.0	0.875	85.3	−12.7	−3.0	13.1	193.5	0.342	0.0	0.125	0.0	180	0.0	1.0	0.5	54.8	−51.0	−12.3	52.5	193.5
566	G50B_100_025$_{dd}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	86.1	−7.3	−10.9	13.1	236.1	0.324	0.0	0.0	0.002	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031830−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			*h*$_{si\_Fdd}$	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				*h*$_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
567	R00Y_087_087$_{dd}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	43.6	55.8	36.0	66.5	32.8	0.0	0.963	0.971	0.161	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
568	R36Y_087_087$_{dd}$	0.875	0.0	0.125	0.875	0.875	0.437	382	0.875	0.0	0.116	43.7	56.4	30.4	64.1	28.3	0.0	0.963	0.84	0.162	382	1.0	0.0	0.133	47.4	64.5	34.7	73.2	28.3
569	R23Y_087_087$_{dd}$	0.875	0.0	0.25	0.875	0.875	0.437	374	0.875	0.0	0.233	43.9	57.1	24.4	62.1	23.2	0.0	0.962	0.713	0.163	375	1.0	0.0	0.266	47.7	65.2	27.9	71.0	23.2
570	R08Y_087_087$_{dd}$	0.875	0.0	0.375	0.875	0.875	0.437	365	0.875	0.0	0.364	44.0	58.4	16.8	60.8	16.0	0.0	0.964	0.578	0.164	365	1.0	0.0	0.416	47.7	66.7	19.2	69.5	16.0
571	B70R_087_087$_{dd}$	0.875	0.0	0.5	0.875	0.875	0.437	355	0.875	0.0	0.51	44.1	60.0	8.2	60.5	7.8	0.0	0.961	0.427	0.164	354	1.0	0.0	0.583	47.9	68.6	9.4	69.2	7.8
572	B63R_087_087$_{dd}$	0.875	0.0	0.625	0.875	0.875	0.437	346	0.875	0.0	0.641	44.3	61.5	1.1	61.5	1.0	0.0	0.961	0.282	0.166	344	1.0	0.0	0.733	48.1	70.3	1.3	70.3	1.0
573	B56R_087_087$_{dd}$	0.875	0.0	0.75	0.875	0.875	0.437	338	0.875	0.0	0.758	44.4	62.6	−3.5	62.7	356.7	0.0	0.96	0.163	0.165	337	1.0	0.0	0.866	48.2	71.5	−4.0	71.7	356.7
574	B50R_087_087$_{dd}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	44.4	63.7	−7.4	64.1	353.3	0.0	0.96	0.035	0.174	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
575	B44R_100_100$_{dd}$	0.875	0.0	1.0	1.0	1.0	0.5	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4	0.117	1.0	0.0	0.0	323	0.883	0.0	1.0	46.1	69.7	−11.7	70.7	350.4
576	R13Y_087_087$_{dd}$	0.875	0.125	0.0	0.875	0.875	0.437	38	0.875	0.116	0.0	47.3	47.4	41.3	62.9	41.0	0.0	0.85	0.971	0.162	37	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41.0
577	R00Y_087_075$_{dd}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	49.6	47.9	30.9	57.0	32.8	0.0	0.836	0.76	0.135	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
578	R35Y_087_075$_{dd}$	0.875	0.125	0.25	0.875	0.75	0.5	381	0.875	0.125	0.237	49.7	48.4	25.4	54.7	27.6	0.0	0.837	0.663	0.137	382	1.0	0.0	0.15	47.5	64.6	33.9	72.9	27.6
579	R18Y_087_075$_{dd}$	0.875	0.125	0.375	0.875	0.75	0.5	371	0.875	0.125	0.362	49.9	49.3	18.8	52.8	20.9	0.0	0.838	0.561	0.138	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
580	R00Y_087_075$_{dd}$	0.875	0.125	0.5	0.875	0.75	0.5	360	0.875	0.125	0.5	49.9	50.7	10.5	51.8	11.6	0.0	0.839	0.431	0.142	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
581	B65R_087_075$_{dd}$	0.875	0.125	0.625	0.875	0.75	0.5	349	0.875	0.125	0.637	50.2	52.3	3.0	52.3	3.2	0.0	0.842	0.298	0.144	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
582	B57R_087_075$_{dd}$	0.875	0.125	0.75	0.875	0.75	0.5	339	0.875	0.125	0.762	50.3	53.5	−2.5	53.6	357.2	0.0	0.842	0.177	0.145	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357.2
583	B50R_087_075$_{dd}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	50.3	54.6	−6.4	55.0	353.3	0.0	0.842	0.072	0.15	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
584	B43R_100_087$_{dd}$	0.875	0.125	1.0	1.0	0.875	0.562	322	0.883	0.125	1.0	51.9	60.6	−10.6	61.5	350.0	0.064	0.88	0.0	0.014	322	0.866	0.0	1.0	45.7	69.2	−12.1	70.3	350.0
585	R26Y_087_087$_{dd}$	0.875	0.25	0.0	0.875	0.875	0.437	46	0.875	0.233	0.0	51.8	37.6	47.3	60.4	51.5	0.0	0.727	0.971	0.162	44	1.0	0.266	0.0	56.7	43.0	54.1	69.1	51.5
586	R15Y_087_075$_{dd}$	0.875	0.25	0.125	0.875	0.75	0.5	39	0.875	0.237	0.125	53.2	39.6	36.1	53.6	42.3	0.0	0.74	0.8	0.14	37	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42.3
587	R00Y_087_062$_{dd}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	55.6	39.9	25.7	47.5	32.8	0.0	0.729	0.614	0.112	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
588	R31Y_087_062$_{dd}$	0.875	0.25	0.375	0.875	0.625	0.562	379	0.875	0.25	0.364	55.8	40.5	20.1	45.2	26.4	0.0	0.728	0.53	0.117	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
589	R11Y_087_062$_{dd}$	0.875	0.25	0.5	0.875	0.625	0.562	367	0.875	0.25	0.489	55.9	41.4	13.3	43.5	17.8	0.0	0.728	0.431	0.123	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
590	B69R_087_062$_{dd}$	0.875	0.25	0.625	0.875	0.625	0.562	353	0.875	0.25	0.635	56.1	43.0	4.7	43.3	6.2	0.0	0.731	0.299	0.13	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
591	B59R_087_062$_{dd}$	0.875	0.25	0.75	0.875	0.625	0.562	341	0.875	0.25	0.76	56.2	44.4	−1.3	44.4	358.3	0.0	0.732	0.178	0.132	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
592	B50R_087_062$_{dd}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	56.2	45.5	−5.3	45.8	353.3	0.0	0.733	0.08	0.136	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
593	B42R_100_075$_{dd}$	0.875	0.25	1.0	1.0	0.75	0.625	321	0.887	0.25	1.0	57.9	51.6	−9.4	52.4	349.6	0.043	0.775	0.0	0.011	322	0.85	0.0	1.0	45.3	68.8	−12.5	69.9	349.6
594	R41Y_087_087$_{dd}$	0.875	0.375	0.0	0.875	0.875	0.437	55	0.875	0.364	0.0	57.6	26.1	55.0	60.9	64.6	0.0	0.592	0.971	0.161	54	1.0	0.416	0.0	63.3	29.8	62.9	69.6	64.6
595	R31Y_087_075$_{dd}$	0.875	0.375	0.125	0.875	0.75	0.5	49	0.875	0.362	0.125	58.3	28.9	42.8	51.7	55.9	0.0	0.61	0.827	0.142	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
596	R18Y_087_062$_{dd}$	0.875	0.375	0.25	0.875	0.625	0.562	41	0.875	0.364	0.25	59.4	31.3	31.2	44.2	44.9	0.0	0.633	0.658	0.12	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
597	R00Y_087_050$_{dd}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	61.6	31.9	20.6	38.0	32.8	0.0	0.617	0.493	0.096	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
598	R26Y_087_050$_{dd}$	0.875	0.375	0.5	0.875	0.5	0.625	376	0.875	0.375	0.491	61.8	32.5	14.8	35.7	24.5	0.0	0.616	0.411	0.105	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
599	R00Y_087_050$_{dd}$	0.875	0.375	0.625	0.875	0.5	0.625	360	0.875	0.375	0.625	61.8	33.8	7.0	34.5	11.6	0.0	0.621	0.3	0.119	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
600	B61R_087_050$_{dd}$	0.875	0.375	0.75	0.875	0.5	0.625	344	0.875	0.375	0.758	62.1	35.3	−0.1	35.3	359.8	0.0	0.622	0.17	0.125	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
601	B50R_087_050$_{dd}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	62.1	36.4	−4.2	36.6	353.3	0.0	0.624	0.077	0.129	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
602	B40R_100_062$_{dd}$	0.875	0.375	1.0	1.0	0.625	0.687	319	0.885	0.375	1.0	63.7	42.4	−8.3	43.2	348.8	0.028	0.662	0.0	0.011	320	0.816	0.0	1.0	44.6	67.8	−13.3	69.1	348.8
603	R58Y_087_087$_{dd}$	0.875	0.5	0.0	0.875	0.875	0.437	65	0.875	0.51	0.0	64.7	13.2	64.3	65.7	78.3	0.0	0.442	0.971	0.161	65	1.0	0.583	0.0	71.5	15.1	73.5	75.0	78.3
604	R50Y_087_075$_{dd}$	0.875	0.5	0.125	0.875	0.75	0.5	60	0.875	0.5	0.125	64.5	16.9	50.7	53.4	71.4	0.0	0.469	0.847	0.146	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
605	R38Y_087_062$_{dd}$	0.875	0.5	0.25	0.875	0.625	0.562	53	0.875	0.489	0.25	64.7	20.3	38.0	43.1	61.8	0.0	0.497	0.693	0.132	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
606	R23Y_087_050$_{dd}$	0.875	0.5	0.375	0.875	0.5	0.625	44	0.875	0.491	0.375	65.7	22.9	26.1	34.7	48.7	0.0	0.517	0.542	0.114	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
607	R00Y_087_037$_{dd}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	67.7	23.9	15.4	28.5	32.8	0.0	0.503	0.382	0.098	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
608	R18Y_087_037$_{dd}$	0.875	0.5	0.625	0.875	0.375	0.687	371	0.875	0.5	0.618	67.8	24.6	9.4	26.4	20.9	0.0	0.504	0.296	0.11	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
609	B65R_087_037$_{dd}$	0.875	0.5	0.75	0.875	0.375	0.687	349	0.875	0.5	0.756	67.9	26.1	1.5	26.1	3.2	0.0	0.507	0.164	0.123	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
610	B50R_087_037$_{dd}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.0	27.3	−3.2	27.5	353.3	0.0	0.509	0.066	0.129	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
611	B38R_100_050$_{dd}$	0.875	0.5	1.0	1.0	0.5	0.75	316	0.883	0.5	1.0	69.4	33.2	−7.2	34.0	347.6	0.024	0.537	0.0	0.015	317	0.766	0.0	1.0	43.5	66.4	−14.5	68.0	347.6
612	R73Y_087_087$_{dd}$	0.875	0.625	0.0	0.875	0.875	0.437	74	0.875	0.641	0.0	70.9	2.9	71.9	72.0	87.6	0.0	0.295	0.971	0.161	75	1.0	0.733	0.0	78.5	3.3	82.2	82.3	87.6
613	R68Y_087_075$_{dd}$	0.875	0.625	0.125	0.875	0.75	0.5	71	0.875	0.637	0.125	71.3	5.2	59.6	59.8	84.9	0.0	0.315	0.87	0.148	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
614	R61Y_087_062$_{dd}$	0.875	0.625	0.25	0.875	0.625	0.562	67	0.875	0.635	0.25	71.8	7.4	47.2	47.8	81.0	0.0	0.328	0.731	0.139	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
615	R50Y_087_050$_{dd}$	0.875	0.625	0.375	0.875	0.5	0.625	60	0.875	0.625	0.375	71.6	11.3	33.8	35.6	71.4	0.0	0.363	0.586	0.129	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
616	R31Y_087_037$_{dd}$	0.875	0.625	0.5	0.875	0.375	0.687	49	0.875	0.618	0.5	72.0	14.4	21.4	25.8	55.9	0.0	0.386	0.435	0.118	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
617	R00Y_087_025$_{dd}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	73.7	15.9	10.3	19.0	32.8	0.0	0.376	0.268	0.113	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
618	R00Y_087_025$_{dd}$	0.875	0.625	0.75	0.875	0.25	0.75	360	0.875	0.625	0.75	73.8	16.9	3.5	17.2	11.6	0.0	0.376	0.158	0.13	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
619	B50R_087_025$_{dd}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	73.9	18.2	−2.1	18.3	353.3	0.0	0.373	0.048	0.14	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
620	B34R_100_037$_{dd}$	0.875	0.625	1.0	1.0	0.375	0.812	311	0.881	0.625	1.0	75.4	23.3	−7.0	24.3	343.1	0.061	0.422	0.0	0.004	311	0.683	0.0	1.0	41.9	62.2	−18.8	65.0	343.1
621	R86Y_087_087$_{dd}$	0.875	0.75	0.0	0.875	0.875	0.437	82	0.875	0.758	0.0	75.6	−4.5	77.9	78.0	93.3	0.0	0.16	0.971	0.159	82	1.0	0.866	0.0	83.9	−5.1	89.0	89.2	93.3
622	R85Y_087_075$_{dd}$	0.875	0.75	0.125	0.875	0.75	0.5	81	0.875	0.762	0.125	76.6	−3.0	66.1	66.2	92.6	0.0	0.177	0.879	0.147	81	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92.6
623	R81Y_087_062$_{dd}$	0.875	0.75	0.25	0.875	0.625	0.562	79	0.875	0.76	0.25	77.3	−1.2	54.1	54.1	91.2	0.0	0.196	0.75	0.137	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
624	R76Y_087_050$_{dd}$	0.875	0.75	0.375	0.875	0.5	0.625	76	0.875	0.758	0.375	77.9	0.5	41.9	41.9	89.2	0.0	0.201	0.62	0.133	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
625	R68Y_087_037$_{dd}$	0.875	0.75	0.5	0.875	0.375	0.687	71	0.875	0.756	0.5	78.5	2.6	29.8	29.9	84.9	0.0	0.205	0.485	0.133	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
626	R50Y_087_025$_{dd}$	0.875	0.75	0.625	0.875	0.25	0.75	60	0.875	0.75	0.625	78.6	5.6	16.9	17.8	71.4	0.0	0.218	0.324	0.138	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
627	R00Y_087_012$_{dd}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	79.7	7.9	5.1	9.5	32.8	0.0	0.215	0.144	0.142	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
628	B50R_087_012$_{dd}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	79.8	9.1	−1.0	9.1	353.3	0.0	0.198	0.021	0.16	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
629	B25R_100_025$_{dd}$	0.875	0.75	1.0	1.0	0.25	0.875	300	0.875	0.75	1.0	81.0	13.4	−6.5	14.9	333.9	0.096	0.287	0.0	0.002	300	0.5	0.0	1.0	37.8	53.8	−26.3	59.9	333.9
630	Y00G_087_087$_{dd}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	79.5	−10.4	83.2	83.8	97.1	0.0	0.027	0.97	0.165	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
631	Y00G_087_075$_{dd}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	80.4	−8.9	71.3	71.9	97.1	0.0	0.054	0.887	0.15	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
632	Y00G_087_062$_{dd}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	81.3	−7.4	59.4	59.9	97.1	0.0	0.075	0.763	0.139	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
633	Y00G_087_050$_{dd}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.2	−5.9	47.5	47.9	97.1	0.0	0.083	0.639	0.133	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
634	Y00G_087_037$_{dd}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.0	−4.4	35.6	35.9	97.1	0.0	0.08	0.514	0.134	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
635	Y00G_087_025$_{dd}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	83.9	−2.9	23.7	23.9	97.1	0.0	0.068	0.371	0.141	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
636	Y00G_087_012$_{dd}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	84.8	−1.4	11.8	11.9	97.1	0.0	0.041	0.202	0.158	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
637	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.023	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
638	B00R_100_012$_{dd}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	86.7	2.9	−5.9	6.6	296.4	0.14	0.124	0.0	0.018	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
639	Y11G_100_100$_{dd}$	0.875	1.0	0.0	1.0	1.0	0.5	97	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1	0.117	0.0	1.0	0.0	96	0.883	1.0	0.0	86.0	−15.9	89.0	90.4	100.1
640	Y13G_100_087$_{dd}$	0.875	1.0	0.125	1.0	0.875	0.562	98	0.883	1.0	0.125	86.8	−14.4	77.2	78.5	100.5	0.087	0.0	0.885	0.007	97	0.866	1.0	0.0	85.6	−16.4	88.2	89.7	100.5
641	Y15G_100_075$_{dd}$	0.875	1.0	0.25	1.0	0.75	0.625	99	0.887	1.0	0.25	87.8	−12.7	65.6	66.8	100.9	0.065	0.0	0.766	0.015	97	0.85	1.0	0.0	85.2	−16.9	87.4	89.1	100.9
642	Y18G_100_062$_{dd}$	0.875	1.0	0.375	1.0	0.625	0.687	101	0.885	1.0	0.375	88.6	−11.2	53.7	54.9	101.7	0.05	0.0	0.647	0.018	99	0.816	1.0	0.0	84.5	−17.9	86.0	87.8	101.7
643	Y23G_100_050$_{dd}$	0.875	1.0	0.5	1.0	0.5	0.75	104	0.883	1.0	0.5	89.4	−9.6	41.8	42.9	102.9	0.044	0.0	0.53	0.023	102	0.766	1.0	0.0	83.3	−19.2	83.7	85.9	102.9
644	Y31G_100_037$_{dd}$	0.875	1.0	0.625	1.0	0.375	0.812	109	0.881	1.0	0.625	89.6	−8.5	29.8	31.0	106.0	0.067	0.0	0.419	0.033	108	0.683	1.0	0.0	79.8	−22.8	79.5	82.7	106.0
645	Y50G_100_025$_{dd}$	0.875	1.0	0.75	1.0	0.25	0.875	120	0.875	1.0	0.75	89.8	−7.8	16.5	18.2	115.3	0.12	0.0	0.29	0.024	119	0.5	1.0	0.0	72.7	−31.3	66.0	73.1	115.3
646	G00B_100_012$_{dd}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.0	−8.6	3.5	9.2	157.7	0.214	0.0	0.139	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
647	G50B_100_012$_{dd}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.8	−3.6	−5.4	6.5	236.1	0.179	0.002	0.0	0.004	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, Δ*E'**, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1031930−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
648	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
649	R38Y_100_100$_{dd}$	1.0	0.0	0.125	1.0	1.0	0.5	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9	0.0	1.0	0.882	0.0	383	1.0	0.0	0.116	47.4	64.4	35.5	73.6	28.9
650	R26Y_100_100$_{dd}$	1.0	0.0	0.25	1.0	1.0	0.5	376	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5	0.0	1.0	0.765	0.0	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
651	R13Y_100_100$_{dd}$	1.0	0.0	0.375	1.0	1.0	0.5	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6	0.0	1.0	0.631	0.0	368	1.0	0.0	0.366	47.7	66.1	22.3	69.7	18.6
652	R00Y_100_100$_{dd}$	1.0	0.0	0.5	1.0	1.0	0.5	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6	0.0	1.0	0.5	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
653	B68R_100_100$_{dd}$	1.0	0.0	0.625	1.0	1.0	0.5	352	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5	0.0	1.0	0.368	0.0	351	1.0	0.0	0.633	48.0	69.0	6.6	69.3	5.5
654	B61R_100_100$_{dd}$	1.0	0.0	0.75	1.0	1.0	0.5	344	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8	0.0	1.0	0.234	0.0	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
655	B55R_100_100$_{dd}$	1.0	0.0	0.875	1.0	1.0	0.5	337	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3	0.0	0.999	0.117	0.0	336	1.0	0.0	0.883	48.2	71.7	−4.6	71.8	356.3
656	B50R_100_100$_{dd}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	1.0	0.0	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
657	R11Y_100_100$_{dd}$	1.0	0.125	0.0	1.0	1.0	0.5	37	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9	0.0	0.882	1.0	0.0	36	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39.9
658	R00Y_100_087$_{dd}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	53.3	55.8	36.0	66.5	32.8	0.0	0.874	0.779	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
659	R36Y_100_087$_{dd}$	1.0	0.125	0.25	1.0	0.875	0.562	382	1.0	0.125	0.241	53.4	56.4	30.4	64.1	28.3	0.0	0.874	0.676	0.0	382	1.0	0.0	0.133	47.4	64.5	34.7	73.2	28.3
660	R23Y_100_087$_{dd}$	1.0	0.125	0.375	1.0	0.875	0.562	374	1.0	0.125	0.358	53.7	57.1	24.4	62.1	23.2	0.0	0.875	0.625	0.0	375	1.0	0.0	0.266	47.7	65.2	27.9	71.0	23.2
661	R08Y_100_087$_{dd}$	1.0	0.125	0.5	1.0	0.875	0.562	365	1.0	0.125	0.489	53.7	58.4	16.8	60.8	16.0	0.0	0.875	0.5	0.0	365	1.0	0.0	0.416	47.7	66.7	19.2	69.5	16.0
662	B70R_100_087$_{dd}$	1.0	0.125	0.625	1.0	0.875	0.562	355	1.0	0.125	0.635	53.8	60.0	8.2	60.5	7.8	0.0	0.875	0.376	0.0	354	1.0	0.0	0.583	47.9	68.6	9.4	69.2	7.8
663	B63R_100_087$_{dd}$	1.0	0.125	0.75	1.0	0.875	0.562	346	1.0	0.125	0.766	54.0	61.5	1.1	61.5	1.0	0.0	0.875	0.25	0.0	344	1.0	0.0	0.733	48.1	70.3	1.3	70.3	1.0
664	B56R_100_087$_{dd}$	1.0	0.125	0.875	1.0	0.875	0.562	338	1.0	0.125	0.883	54.1	62.6	−3.5	62.7	356.7	0.0	0.875	0.125	0.0	337	1.0	0.0	0.866	48.2	71.5	−4.0	71.7	356.7
665	B50R_100_087$_{dd}$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	54.1	63.7	−7.4	64.1	353.3	0.0	0.885	0.016	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
666	R23Y_100_100$_{dd}$	1.0	0.25	0.0	1.0	1.0	0.5	44	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7	0.0	0.765	1.0	0.0	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
667	R13Y_100_087$_{dd}$	1.0	0.25	0.125	1.0	0.875	0.562	38	1.0	0.241	0.125	57.0	47.4	41.3	62.9	41.0	0.0	0.77	0.81	0.0	37	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41.0
668	R00Y_100_075$_{dd}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	59.3	47.9	30.9	57.0	32.8	0.0	0.75	0.625	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
669	R35Y_100_075$_{dd}$	1.0	0.25	0.375	1.0	0.75	0.625	381	1.0	0.25	0.362	59.5	48.4	25.4	54.7	27.6	0.0	0.749	0.512	0.0	382	1.0	0.0	0.15	47.5	64.6	33.9	72.9	27.6
670	R18Y_100_075$_{dd}$	1.0	0.25	0.5	1.0	0.75	0.625	371	1.0	0.25	0.487	59.6	49.3	18.8	52.8	20.9	0.0	0.75	0.5	0.0	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
671	R00Y_100_075$_{dd}$	1.0	0.25	0.625	1.0	0.75	0.625	360	1.0	0.25	0.625	59.6	50.7	10.5	51.8	11.6	0.0	0.766	0.376	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
672	B65R_100_075$_{dd}$	1.0	0.25	0.75	1.0	0.75	0.625	349	1.0	0.25	0.762	59.9	52.3	3.0	52.3	3.2	0.0	0.76	0.25	0.0	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
673	B57R_100_075$_{dd}$	1.0	0.25	0.875	1.0	0.75	0.625	339	1.0	0.25	0.887	60.0	53.5	−2.5	53.6	357.2	0.0	0.77	0.125	0.0	337	1.0	0.0	0.85	48.2	71.4	−3.3	71.5	357.2
674	B50R_100_075$_{dd}$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	60.0	54.6	−6.4	55.0	353.3	0.0	0.777	0.011	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
675	R36Y_100_100$_{dd}$	1.0	0.375	0.0	1.0	1.0	0.5	52	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4	0.0	0.631	1.0	0.0	51	1.0	0.366	0.0	61.0	34.0	59.9	68.9	60.4
676	R26Y_100_087$_{dd}$	1.0	0.375	0.125	1.0	0.875	0.562	46	1.0	0.358	0.125	61.5	37.6	47.3	60.4	51.5	0.0	0.635	0.831	0.0	44	1.0	0.266	0.0	56.7	43.0	54.1	69.1	51.5
677	R15Y_100_075$_{dd}$	1.0	0.375	0.25	1.0	0.75	0.625	39	1.0	0.362	0.25	63.0	39.6	36.1	53.6	42.3	0.0	0.647	0.647	0.0	37	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42.3
678	R00Y_100_062$_{dd}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	65.4	39.9	25.7	47.5	32.8	0.0	0.625	0.5	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
679	R31Y_100_062$_{dd}$	1.0	0.375	0.5	1.0	0.625	0.687	379	1.0	0.375	0.489	65.5	40.5	20.1	45.2	26.4	0.0	0.623	0.498	0.0	380	1.0	0.0	0.183	47.5	64.8	32.2	72.4	26.4
680	R11Y_100_062$_{dd}$	1.0	0.375	0.625	1.0	0.625	0.687	367	1.0	0.375	0.614	65.6	41.4	13.3	43.5	17.8	0.0	0.633	0.376	0.0	367	1.0	0.0	0.383	47.7	66.3	21.3	69.6	17.8
681	B69R_100_062$_{dd}$	1.0	0.375	0.75	1.0	0.625	0.687	353	1.0	0.375	0.76	65.8	43.0	4.7	43.3	6.2	0.0	0.633	0.25	0.0	352	1.0	0.0	0.616	48.0	68.8	7.5	69.2	6.2
682	B59R_100_062$_{dd}$	1.0	0.375	0.875	1.0	0.625	0.687	341	1.0	0.375	0.885	65.9	44.4	−1.3	44.4	358.3	0.0	0.645	0.125	0.0	339	1.0	0.0	0.816	48.2	71.1	−2.1	71.1	358.3
683	B50R_100_062$_{dd}$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	65.9	45.5	−5.3	45.8	353.3	0.0	0.663	0.008	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
684	R50Y_100_100$_{dd}$	1.0	0.5	0.0	1.0	1.0	0.5	60	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	0.0	0.498	0.999	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
685	R41Y_100_087$_{dd}$	1.0	0.5	0.125	1.0	0.875	0.562	55	1.0	0.489	0.125	67.3	26.1	55.0	60.9	64.6	0.0	0.5	0.875	0.0	54	1.0	0.416	0.0	63.3	29.8	62.9	69.6	64.6
686	R31Y_100_075$_{dd}$	1.0	0.5	0.25	1.0	0.75	0.625	49	1.0	0.487	0.25	68.0	28.9	42.8	51.7	55.9	0.0	0.498	0.682	0.0	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
687	R18Y_100_062$_{dd}$	1.0	0.5	0.375	1.0	0.625	0.687	41	1.0	0.489	0.375	69.2	31.3	31.2	44.2	44.9	0.0	0.625	0.625	0.0	39	1.0	0.183	0.0	53.4	50.1	49.9	70.7	44.9
688	R00Y_100_050$_{dd}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	0.0	0.5	0.375	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
689	R26Y_100_050$_{dd}$	1.0	0.5	0.625	1.0	0.5	0.75	376	1.0	0.5	0.616	71.5	32.5	14.8	35.7	24.5	0.0	0.5	0.375	0.0	377	1.0	0.0	0.233	47.6	65.0	29.7	71.5	24.5
690	R00Y_100_050$_{dd}$	1.0	0.5	0.75	1.0	0.5	0.75	360	1.0	0.5	0.75	71.6	33.8	7.0	34.5	11.6	0.0	0.5	0.25	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
691	B61R_100_050$_{dd}$	1.0	0.5	0.875	1.0	0.5	0.75	344	1.0	0.5	0.883	71.8	35.3	−0.1	35.3	359.8	0.0	0.509	0.072	0.0	342	1.0	0.0	0.766	48.1	70.6	−0.2	70.6	359.8
692	B50R_100_050$_{dd}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	71.8	36.4	−4.2	36.6	353.3	0.0	0.538	0.009	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
693	R63Y_100_100$_{dd}$	1.0	0.625	0.0	1.0	1.0	0.5	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2	0.0	0.368	1.0	0.0	68	1.0	0.633	0.0	74.0	10.4	76.6	77.3	82.2
694	R58Y_100_087$_{dd}$	1.0	0.625	0.125	1.0	0.875	0.562	65	1.0	0.635	0.125	74.4	13.2	64.3	65.7	78.3	0.0	0.377	0.874	0.0	65	1.0	0.583	0.0	71.5	15.1	73.5	75.0	78.3
695	R50Y_100_075$_{dd}$	1.0	0.625	0.25	1.0	0.75	0.625	60	1.0	0.625	0.25	74.2	16.9	50.7	53.4	71.4	0.0	0.383	0.749	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
696	R38Y_100_062$_{dd}$	1.0	0.625	0.375	1.0	0.625	0.687	53	1.0	0.614	0.375	74.4	20.3	38.0	43.1	61.8	0.0	0.395	0.557	0.0	52	1.0	0.383	0.0	61.8	32.5	60.8	69.0	61.8
697	R23Y_100_050$_{dd}$	1.0	0.625	0.5	1.0	0.5	0.75	44	1.0	0.616	0.5	75.4	22.9	26.1	34.7	48.7	0.0	0.5	0.5	0.0	42	1.0	0.233	0.0	55.3	45.8	52.2	69.5	48.7
698	R00Y_100_037$_{dd}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	77.4	23.9	15.4	28.5	32.8	0.0	0.398	0.376	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
699	R18Y_100_037$_{dd}$	1.0	0.625	0.75	1.0	0.375	0.812	371	1.0	0.625	0.743	77.5	24.6	9.4	26.4	20.9	0.0	0.389	0.25	0.0	371	1.0	0.0	0.316	47.7	65.7	25.1	70.4	20.9
700	B65R_100_037$_{dd}$	1.0	0.625	0.875	1.0	0.375	0.812	349	1.0	0.625	0.881	77.7	26.1	1.5	26.1	3.2	0.0	0.411	0.073	0.0	348	1.0	0.0	0.683	48.1	69.7	4.0	69.8	3.2
701	B50R_100_037$_{dd}$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.7	27.3	−3.2	27.5	353.3	0.0	0.426	0.008	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
702	R76Y_100_100$_{dd}$	1.0	0.75	0.0	1.0	1.0	0.5	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2	0.0	0.234	1.0	0.0	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
703	R73Y_100_087$_{dd}$	1.0	0.75	0.125	1.0	0.875	0.562	74	1.0	0.766	0.125	80.6	2.9	71.9	72.0	87.6	0.0	0.233	0.874	0.0	75	1.0	0.733	0.0	78.5	3.3	82.2	82.3	87.6
704	R68Y_100_075$_{dd}$	1.0	0.75	0.25	1.0	0.75	0.625	71	1.0	0.762	0.25	81.0	5.2	59.6	59.8	84.9	0.0	0.25	0.75	0.0	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
705	R61Y_100_062$_{dd}$	1.0	0.75	0.375	1.0	0.625	0.687	67	1.0	0.76	0.375	81.5	7.4	47.2	47.8	81.0	0.0	0.25	0.625	0.0	67	1.0	0.616	0.0	73.2	11.8	75.6	76.6	81.0
706	R50Y_100_050$_{dd}$	1.0	0.75	0.5	1.0	0.5	0.75	60	1.0	0.75	0.5	81.3	11.3	33.8	35.6	71.4	0.0	0.251	0.498	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
707	R31Y_100_037$_{dd}$	1.0	0.75	0.625	1.0	0.375	0.812	49	1.0	0.743	0.625	81.7	14.4	21.4	25.8	55.9	0.0	0.375	0.375	0.0	48	1.0	0.316	0.0	58.9	38.6	57.1	69.0	55.9
708	R00Y_100_025$_{dd}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.4	15.9	10.3	19.0	32.8	0.0	0.376	0.25	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
709	R00Y_100_025$_{dd}$	1.0	0.75	0.875	1.0	0.25	0.875	360	1.0	0.75	0.875	83.5	16.9	3.5	17.2	11.6	0.0	0.279	0.076	0.0	360	1.0	0.0	0.5	47.7	67.7	14.0	69.1	11.6
710	B50R_100_025$_{dd}$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.6	18.2	−2.1	18.3	353.3	0.0	0.3	0.007	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
711	R88Y_100_100$_{dd}$	1.0	0.875	0.0	1.0	1.0	0.5	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8	0.0	0.117	1.0	0.0	83	1.0	0.883	0.0	84.5	−6.1	89.8	90.0	93.8
712	R86Y_100_087$_{dd}$	1.0	0.875	0.125	1.0	0.875	0.562	82	1.0	0.883	0.125	85.3	−4.5	77.9	78.0	93.3	0.0	0.114	0.876	0.0	82	1.0	0.866	0.0	83.9	−5.1	89.0	89.2	93.3
713	R85Y_100_075$_{dd}$	1.0	0.875	0.25	1.0	0.75	0.625	81	1.0	0.887	0.25	86.3	−3.0	66.1	66.2	92.6	0.0	0.126	0.75	0.0	81	1.0	0.85	0.0	83.2	−4.0	88.2	88.3	92.6
714	R81Y_100_062$_{dd}$	1.0	0.875	0.375	1.0	0.625	0.687	79	1.0	0.885	0.375	87.0	−1.2	54.1	54.1	91.2	0.0	0.122	0.623	0.0	80	1.0	0.816	0.0	81.9	−1.9	86.5	86.5	91.2
715	R76Y_100_050$_{dd}$	1.0	0.875	0.5	1.0	0.5	0.75	76	1.0	0.883	0.5	87.7	0.5	41.9	41.9	89.2	0.0	0.127	0.498	0.0	77	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89.2
716	R68Y_100_037$_{dd}$	1.0	0.875	0.625	1.0	0.375	0.812	71	1.0	0.881	0.625	88.2	2.6	29.8	29.9	84.9	0.0	0.132	0.376	0.0	71	1.0	0.683	0.0	76.2	7.0	79.5	79.8	84.9
717	R50Y_100_025$_{dd}$	1.0	0.875	0.75	1.0	0.25	0.875	60	1.0	0.875	0.75	88.4	5.6	16.9	17.8	71.4	0.0	0.145	0.25	0.0	59	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
718	R00Y_100_012$_{dd}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.4	7.9	5.1	9.5	32.8	0.0	0.15	0.08	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
719	B50R_100_012$_{dd}$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.5	9.1	−1.0	9.1	353.3	0.0	0.161	0.007	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
720	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	0.0	0.999	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
721	Y00G_100_087$_{dd}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	89.2	−10.4	83.2	83.8	97.1	0.0	0.006	0.882	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
722	Y00G_100_075$_{dd}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	90.1	−8.9	71.3	71.9	97.1	0.0	0.014	0.766	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
723	Y00G_100_062$_{dd}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	91.0	−7.4	59.4	59.9	97.1	0.0	0.018	0.64	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
724	Y00G_100_050$_{dd}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.9	−5.9	47.5	47.9	97.1	0.0	0.021	0.53	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
725	Y00G_100_037$_{dd}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.8	−4.4	35.6	35.9	97.1	0.0	0.02	0.416	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
726	Y00G_100_025$_{dd}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.7	−2.9	23.7	23.9	97.1	0.0	0.018	0.292	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
727	Y00G_100_012$_{dd}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	94.5	−1.4	11.8	11.9	97.1	0.0	0.014	0.155	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
728	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1032030−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
729	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
730	G50B_100_012$_{dd}$	0.875	1.0	1.0	1.0	0.125	0.937	210	0.875	1.0	1.0	90.8	−3.6	−5.4	6.5	236.1	0.179	0.002	0.0	0.004	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
731	G50B_100_025$_{dd}$	0.75	1.0	1.0	1.0	0.25	0.875	210	0.75	1.0	1.0	86.1	−7.3	−10.9	13.1	236.1	0.324	0.0	0.0	0.002	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
732	G50B_100_037$_{dd}$	0.625	1.0	1.0	1.0	0.375	0.812	210	0.625	1.0	1.0	81.5	−10.9	−16.4	19.7	236.1	0.455	0.0	0.002	0.001	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
733	G50B_100_050$_{dd}$	0.5	1.0	1.0	1.0	0.5	0.75	210	0.5	1.0	1.0	76.9	−14.6	−21.8	26.3	236.1	0.597	0.0	0.004	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
734	G50B_100_062$_{dd}$	0.375	1.0	1.0	1.0	0.625	0.687	210	0.375	1.0	1.0	72.2	−18.3	−27.3	32.9	236.1	0.69	0.0	0.001	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
735	G50B_100_075$_{dd}$	0.25	1.0	1.0	1.0	0.75	0.625	210	0.25	1.0	1.0	67.6	−21.9	−32.8	39.4	236.1	0.787	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
736	G50B_100_087$_{dd}$	0.125	1.0	1.0	1.0	0.875	0.562	210	0.125	1.0	1.0	62.9	−25.6	−38.2	46.0	236.1	0.906	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
737	G50B_100_100$_{dd}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.999	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
738	R00Y_100_012$_{dd}$	1.0	0.875	0.875	1.0	0.125	0.937	390	1.0	0.875	0.875	89.4	7.9	5.1	9.5	32.8	0.0	0.15	0.08	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
739	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.023	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
740	G50B_087_012$_{dd}$	0.75	0.875	0.875	0.875	0.125	0.812	210	0.75	0.875	0.875	81.1	−3.6	−5.4	6.5	236.1	0.202	0.011	0.0	0.167	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
741	G50B_087_025$_{dd}$	0.625	0.875	0.875	0.875	0.25	0.75	210	0.625	0.875	0.875	76.4	−7.3	−10.9	13.1	236.1	0.358	0.013	0.0	0.169	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
742	G50B_087_037$_{dd}$	0.5	0.875	0.875	0.875	0.375	0.687	210	0.5	0.875	0.875	71.8	−10.9	−16.4	19.7	236.1	0.523	0.014	0.0	0.168	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
743	G50B_087_050$_{dd}$	0.375	0.875	0.875	0.875	0.5	0.625	210	0.375	0.875	0.875	67.1	−14.6	−21.8	26.3	236.1	0.63	0.016	0.0	0.165	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
744	G50B_087_062$_{dd}$	0.25	0.875	0.875	0.875	0.625	0.562	210	0.25	0.875	0.875	62.5	−18.3	−27.3	32.9	236.1	0.746	0.018	0.0	0.165	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
745	G50B_087_075$_{dd}$	0.125	0.875	0.875	0.875	0.75	0.5	210	0.125	0.875	0.875	57.9	−21.9	−32.8	39.4	236.1	0.874	0.027	0.0	0.165	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
746	G50B_087_087$_{dd}$	0.0	0.875	0.875	0.875	0.875	0.437	210	0.0	0.875	0.875	53.2	−25.6	−38.2	46.0	236.1	0.971	0.042	0.0	0.161	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
747	R00Y_100_025$_{dd}$	1.0	0.75	0.75	1.0	0.25	0.875	390	1.0	0.75	0.75	83.4	15.9	10.3	19.0	32.8	0.0	0.376	0.25	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
748	R00Y_087_012$_{dd}$	0.875	0.75	0.75	0.875	0.125	0.812	390	0.875	0.75	0.75	79.7	7.9	5.1	9.5	32.8	0.0	0.215	0.144	0.142	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
749	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.018	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
750	G50B_075_012$_{dd}$	0.625	0.75	0.75	0.75	0.125	0.687	210	0.625	0.75	0.75	71.3	−3.6	−5.4	6.5	236.1	0.224	0.015	0.0	0.308	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
751	G50B_075_025$_{dd}$	0.5	0.75	0.75	0.75	0.25	0.625	210	0.5	0.75	0.75	66.7	−7.3	−10.9	13.1	236.1	0.411	0.018	0.0	0.313	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
752	G50B_075_037$_{dd}$	0.375	0.75	0.75	0.75	0.375	0.562	210	0.375	0.75	0.75	62.1	−10.9	−16.4	19.7	236.1	0.55	0.024	0.0	0.305	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
753	G50B_075_050$_{dd}$	0.25	0.75	0.75	0.75	0.5	0.5	210	0.25	0.75	0.75	57.4	−14.6	−21.8	26.3	236.1	0.689	0.03	0.0	0.302	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
754	G50B_075_062$_{dd}$	0.125	0.75	0.75	0.75	0.625	0.437	210	0.125	0.75	0.75	52.8	−18.3	−27.3	32.9	236.1	0.833	0.041	0.0	0.305	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
755	G50B_075_075$_{dd}$	0.0	0.75	0.75	0.75	0.75	0.375	210	0.0	0.75	0.75	48.1	−21.9	−32.8	39.4	236.1	0.935	0.057	0.0	0.31	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
756	R00Y_100_037$_{dd}$	1.0	0.625	0.625	1.0	0.375	0.812	390	1.0	0.625	0.625	77.4	23.9	15.4	28.5	32.8	0.0	0.398	0.376	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
757	R00Y_087_025$_{dd}$	0.875	0.625	0.625	0.875	0.25	0.75	390	0.875	0.625	0.625	73.7	15.9	10.3	19.0	32.8	0.0	0.376	0.268	0.113	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
758	R00Y_075_012$_{dd}$	0.75	0.625	0.625	0.75	0.125	0.687	390	0.75	0.625	0.625	70.0	7.9	5.1	9.5	32.8	0.0	0.244	0.168	0.283	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
759	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
760	G50B_062_012$_{dd}$	0.5	0.625	0.625	0.625	0.125	0.562	210	0.5	0.625	0.625	61.6	−3.6	−5.4	6.5	236.1	0.256	0.019	0.0	0.453	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
761	G50B_062_025$_{dd}$	0.375	0.625	0.625	0.625	0.25	0.5	210	0.375	0.625	0.625	57.0	−7.3	−10.9	13.1	236.1	0.439	0.029	0.0	0.447	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
762	G50B_062_037$_{dd}$	0.25	0.625	0.625	0.625	0.375	0.437	210	0.25	0.625	0.625	52.3	−10.9	−16.4	19.7	236.1	0.61	0.038	0.0	0.442	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
763	G50B_062_050$_{dd}$	0.125	0.625	0.625	0.625	0.5	0.375	210	0.125	0.625	0.625	47.7	−14.6	−21.8	26.3	236.1	0.776	0.049	0.0	0.446	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
764	G50B_062_062$_{dd}$	0.0	0.625	0.625	0.625	0.625	0.312	210	0.0	0.625	0.625	43.1	−18.3	−27.3	32.9	236.1	0.884	0.054	0.0	0.462	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
765	R00Y_100_050$_{dd}$	1.0	0.5	0.5	1.0	0.5	0.75	390	1.0	0.5	0.5	71.4	31.9	20.6	38.0	32.8	0.0	0.5	0.375	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
766	R00Y_087_037$_{dd}$	0.875	0.5	0.5	0.875	0.375	0.687	390	0.875	0.5	0.5	67.7	23.9	15.4	28.5	32.8	0.0	0.503	0.382	0.098	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
767	R00Y_075_025$_{dd}$	0.75	0.5	0.5	0.75	0.25	0.625	390	0.75	0.5	0.5	64.0	15.9	10.3	19.0	32.8	0.0	0.41	0.305	0.26	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
768	R00Y_062_012$_{dd}$	0.625	0.5	0.5	0.625	0.125	0.562	390	0.625	0.5	0.5	60.2	7.9	5.1	9.5	32.8	0.0	0.283	0.187	0.416	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
769	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.026	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
770	G50B_050_012$_{dd}$	0.375	0.5	0.5	0.5	0.125	0.437	210	0.375	0.5	0.5	51.9	−3.6	−5.4	6.5	236.1	0.274	0.026	0.0	0.582	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
771	G50B_050_025$_{dd}$	0.25	0.5	0.5	0.5	0.25	0.375	210	0.249	0.5	0.5	47.3	−7.3	−10.9	13.1	236.1	0.5	0.041	0.0	0.577	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
772	G50B_050_037$_{dd}$	0.125	0.5	0.5	0.5	0.375	0.312	210	0.124	0.5	0.5	42.6	−10.9	−16.4	19.7	236.1	0.699	0.048	0.0	0.587	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
773	G50B_050_050$_{dd}$	0.0	0.5	0.5	0.5	0.5	0.25	210	0.0	0.5	0.5	38.0	−14.6	−21.8	26.3	236.1	0.807	0.052	0.0	0.61	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
774	R00Y_100_062$_{dd}$	1.0	0.375	0.375	1.0	0.625	0.687	390	1.0	0.375	0.375	65.4	39.9	25.7	47.5	32.8	0.0	0.625	0.5	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
775	R00Y_087_050$_{dd}$	0.875	0.375	0.375	0.875	0.5	0.625	390	0.875	0.375	0.375	61.6	31.9	20.6	38.0	32.8	0.0	0.617	0.493	0.096	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
776	R00Y_075_037$_{dd}$	0.75	0.375	0.375	0.75	0.375	0.562	390	0.75	0.375	0.375	57.9	23.9	15.4	28.5	32.8	0.0	0.546	0.436	0.25	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
777	R00Y_062_025$_{dd}$	0.625	0.375	0.375	0.625	0.25	0.5	390	0.625	0.375	0.375	54.2	15.9	10.3	19.0	32.8	0.0	0.474	0.339	0.394	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
778	R00Y_050_012$_{dd}$	0.5	0.375	0.375	0.5	0.125	0.437	390	0.5	0.375	0.375	50.5	7.9	5.1	9.5	32.8	0.0	0.322	0.234	0.553	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
779	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.034	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
780	G50B_037_012$_{dd}$	0.25	0.375	0.375	0.375	0.125	0.312	210	0.249	0.375	0.375	42.2	−3.6	−5.4	6.5	236.1	0.334	0.044	0.0	0.692	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
781	G50B_037_025$_{dd}$	0.125	0.375	0.375	0.375	0.25	0.25	210	0.124	0.375	0.375	37.5	−7.3	−10.9	13.1	236.1	0.588	0.055	0.0	0.703	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
782	G50B_037_037$_{dd}$	0.0	0.375	0.375	0.375	0.375	0.187	210	0.0	0.375	0.375	32.9	−10.9	−16.4	19.7	236.1	0.707	0.048	0.0	0.73	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
783	R00Y_100_075$_{dd}$	1.0	0.25	0.25	1.0	0.75	0.625	390	1.0	0.25	0.25	59.3	47.9	30.9	57.0	32.8	0.0	0.75	0.625	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
784	R00Y_087_062$_{dd}$	0.875	0.25	0.25	0.875	0.625	0.562	390	0.875	0.25	0.25	55.6	39.9	25.7	47.5	32.8	0.0	0.729	0.614	0.112	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
785	R00Y_075_050$_{dd}$	0.75	0.25	0.25	0.75	0.5	0.5	390	0.75	0.25	0.25	51.9	31.9	20.6	38.0	32.8	0.0	0.672	0.561	0.252	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
786	R00Y_062_037$_{dd}$	0.625	0.25	0.25	0.625	0.375	0.437	390	0.625	0.25	0.25	48.2	23.9	15.4	28.5	32.8	0.0	0.626	0.49	0.39	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
787	R00Y_050_025$_{dd}$	0.5	0.25	0.25	0.5	0.25	0.375	390	0.5	0.249	0.249	44.5	15.9	10.3	19.0	32.8	0.0	0.529	0.414	0.535	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
788	R00Y_037_012$_{dd}$	0.375	0.25	0.25	0.375	0.125	0.312	390	0.375	0.249	0.249	40.8	7.9	5.1	9.5	32.8	0.0	0.375	0.279	0.673	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
789	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.031	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
790	G50B_025_012$_{dd}$	0.125	0.25	0.25	0.25	0.125	0.187	210	0.124	0.25	0.25	32.5	−3.6	−5.4	6.5	236.1	0.433	0.057	0.0	0.797	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
791	G50B_025_025$_{dd}$	0.0	0.25	0.25	0.25	0.25	0.125	210	0.0	0.25	0.25	27.8	−7.3	−10.9	13.1	236.1	0.614	0.085	0.0	0.804	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
792	R00Y_100_087$_{dd}$	1.0	0.125	0.125	1.0	0.875	0.562	390	1.0	0.125	0.125	53.3	55.8	36.0	66.5	32.8	0.0	0.874	0.779	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
793	R00Y_087_075$_{dd}$	0.875	0.125	0.125	0.875	0.75	0.5	390	0.875	0.125	0.125	49.6	47.9	30.9	57.0	32.8	0.0	0.836	0.76	0.135	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
794	R00Y_075_062$_{dd}$	0.75	0.125	0.125	0.75	0.625	0.437	390	0.75	0.125	0.125	45.9	39.9	25.7	47.5	32.8	0.0	0.792	0.701	0.257	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
795	R00Y_062_050$_{dd}$	0.625	0.125	0.125	0.625	0.5	0.375	390	0.625	0.125	0.125	42.2	31.9	20.6	38.0	32.8	0.0	0.764	0.648	0.401	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
796	R00Y_050_037$_{dd}$	0.5	0.125	0.125	0.5	0.375	0.312	390	0.5	0.124	0.124	38.5	23.9	15.4	28.5	32.8	0.0	0.695	0.582	0.535	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
797	R00Y_037_025$_{dd}$	0.375	0.125	0.125	0.375	0.25	0.25	390	0.375	0.124	0.124	34.8	15.9	10.3	19.0	32.8	0.0	0.612	0.481	0.657	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
798	R00Y_025_012$_{dd}$	0.25	0.125	0.125	0.25	0.125	0.187	390	0.25	0.124	0.124	31.1	7.9	5.1	9.5	32.8	0.0	0.474	0.336	0.774	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
799	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
800	G50B_012_012$_{dd}$	0.0	0.125	0.125	0.125	0.125	0.062	210	0.0	0.125	0.125	22.7	−3.6	−5.4	6.5	236.1	0.466	0.035	0.0	0.882	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
801	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
802	R00Y_087_087$_{dd}$	0.875	0.0	0.0	0.875	0.875	0.437	390	0.875	0.0	0.0	43.6	55.8	36.0	66.5	32.8	0.0	0.963	0.971	0.161	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
803	R00Y_075_075$_{dd}$	0.75	0.0	0.0	0.75	0.75	0.375	390	0.75	0.0	0.0	39.9	47.9	30.9	57.0	32.8	0.0	0.934	0.912	0.285	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
804	R00Y_062_062$_{dd}$	0.625	0.0	0.0	0.625	0.625	0.312	390	0.625	0.0	0.0	36.2	39.9	25.7	47.5	32.8	0.0	0.901	0.873	0.418	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
805	R00Y_050_050$_{dd}$	0.5	0.0	0.0	0.5	0.5	0.25	390	0.5	0.0	0.0	32.5	31.9	20.6	38.0	32.8	0.0	0.845	0.803	0.544	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
806	R00Y_037_037$_{dd}$	0.375	0.0	0.0	0.375	0.375	0.187	390	0.375	0.0	0.0	28.8	23.9	15.4	28.5	32.8	0.0	0.771	0.711	0.66	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
807	R00Y_025_025$_{dd}$	0.25	0.0	0.0	0.25	0.25	0.125	390	0.25	0.0	0.0	25.1	15.9	10.3	19.0	32.8	0.0	0.662	0.617	0.769	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
808	R00Y_012_012$_{dd}$	0.125	0.0	0.0	0.125	0.125	0.062	390	0.125	0.0	0.0	21.4	7.9	5.1	9.5	32.8	0.0	0.484	0.476	0.874	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
809	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1032130−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
810	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
811	B00R_100_012$_{dd}$	0.875	0.875	1.0	1.0	0.125	0.937	270	0.875	0.875	1.0	86.7	2.9	−5.9	6.6	296.4	0.14	0.124	0.0	0.018	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
812	B00R_100_025$_{dd}$	0.75	0.75	1.0	1.0	0.25	0.875	270	0.75	0.75	1.0	77.9	5.8	−11.8	13.2	296.4	0.283	0.233	0.0	0.013	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
813	B00R_100_037$_{dd}$	0.625	0.625	1.0	1.0	0.375	0.812	270	0.625	0.625	1.0	69.1	8.8	−17.7	19.8	296.4	0.395	0.355	0.0	0.011	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
814	B00R_100_050$_{dd}$	0.5	0.5	1.0	1.0	0.5	0.75	270	0.5	0.5	1.0	60.4	11.7	−23.6	26.4	296.4	0.54	0.457	0.0	0.008	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
815	B00R_100_062$_{dd}$	0.375	0.375	1.0	1.0	0.625	0.687	270	0.375	0.375	1.0	51.6	14.6	−29.5	33.0	296.4	0.656	0.564	0.0	0.001	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
816	B00R_100_075$_{dd}$	0.25	0.25	1.0	1.0	0.75	0.625	270	0.25	0.25	1.0	42.8	17.6	−35.5	39.6	296.4	0.737	0.703	0.0	0.006	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
817	B00R_100_087$_{dd}$	0.125	0.125	1.0	1.0	0.875	0.562	270	0.125	0.125	1.0	34.1	20.5	−41.4	46.2	296.4	0.887	0.837	0.0	0.022	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
818	B00R_100_100$_{dd}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	1.0	1.0	0.0	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
819	Y00G_100_012$_{dd}$	1.0	1.0	0.875	1.0	0.125	0.937	90	1.0	1.0	0.875	94.5	−1.4	11.8	11.9	97.1	0.0	0.014	0.155	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
820	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.023	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
821	B00R_087_012$_{dd}$	0.75	0.75	0.875	0.875	0.125	0.812	270	0.75	0.75	0.875	76.9	2.9	−5.9	6.6	296.4	0.149	0.141	0.0	0.188	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
822	B00R_087_025$_{dd}$	0.625	0.625	0.875	0.875	0.25	0.75	270	0.625	0.625	0.875	68.2	5.8	−11.8	13.2	296.4	0.303	0.281	0.0	0.187	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
823	B00R_087_037$_{dd}$	0.5	0.5	0.875	0.875	0.375	0.687	270	0.5	0.5	0.875	59.4	8.8	−17.7	19.8	296.4	0.465	0.412	0.0	0.186	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
824	B00R_087_050$_{dd}$	0.375	0.375	0.875	0.875	0.5	0.625	270	0.375	0.375	0.875	50.6	11.7	−23.6	26.4	296.4	0.59	0.533	0.0	0.18	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
825	B00R_087_062$_{dd}$	0.25	0.25	0.875	0.875	0.625	0.562	270	0.25	0.25	0.875	41.9	14.6	−29.5	33.0	296.4	0.701	0.668	0.0	0.182	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
826	B00R_087_075$_{dd}$	0.125	0.125	0.875	0.875	0.75	0.5	270	0.125	0.125	0.875	33.1	17.6	−35.5	39.6	296.4	0.851	0.793	0.0	0.196	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
827	B00R_087_087$_{dd}$	0.0	0.0	0.875	0.875	0.875	0.437	270	0.0	0.0	0.875	24.3	20.5	−41.4	46.2	296.4	0.964	0.945	0.0	0.193	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
828	Y00G_100_025$_{dd}$	1.0	1.0	0.75	1.0	0.25	0.875	90	1.0	1.0	0.75	93.7	−2.9	23.7	23.9	97.1	0.0	0.018	0.292	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
829	Y00G_087_012$_{dd}$	0.875	0.875	0.75	0.875	0.125	0.812	90	0.875	0.875	0.75	84.8	−1.4	11.8	11.9	97.1	0.0	0.041	0.202	0.158	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
830	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.018	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
831	B00R_075_012$_{dd}$	0.625	0.625	0.75	0.75	0.125	0.687	270	0.625	0.625	0.75	67.2	2.9	−5.9	6.6	296.4	0.164	0.164	0.0	0.331	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
832	B00R_075_025$_{dd}$	0.5	0.5	0.75	0.75	0.25	0.625	270	0.5	0.5	0.75	58.4	5.8	−11.8	13.2	296.4	0.352	0.323	0.0	0.335	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
833	B00R_075_037$_{dd}$	0.375	0.375	0.75	0.75	0.375	0.562	270	0.375	0.375	0.75	49.7	8.8	−17.7	19.8	296.4	0.506	0.471	0.0	0.327	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
834	B00R_075_050$_{dd}$	0.25	0.25	0.75	0.75	0.5	0.5	270	0.25	0.25	0.75	40.9	11.7	−23.6	26.4	296.4	0.65	0.626	0.0	0.324	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
835	B00R_075_062$_{dd}$	0.125	0.125	0.75	0.75	0.625	0.437	270	0.125	0.125	0.75	32.1	14.6	−29.5	33.0	296.4	0.807	0.756	0.0	0.34	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
836	B00R_075_075$_{dd}$	0.0	0.0	0.75	0.75	0.75	0.375	270	0.0	0.0	0.75	23.4	17.6	−35.5	39.6	296.4	0.925	0.904	0.0	0.344	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
837	Y00G_100_037$_{dd}$	1.0	1.0	0.625	1.0	0.375	0.812	90	1.0	1.0	0.625	92.8	−4.4	35.6	35.9	97.1	0.0	0.02	0.416	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
838	Y00G_087_025$_{dd}$	0.875	0.875	0.625	0.875	0.25	0.75	90	0.875	0.875	0.625	83.9	−2.9	23.7	23.9	97.1	0.0	0.068	0.371	0.141	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
839	Y00G_075_012$_{dd}$	0.75	0.75	0.625	0.75	0.125	0.687	90	0.75	0.75	0.625	75.1	−1.4	11.8	11.9	97.1	0.0	0.051	0.23	0.293	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
840	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
841	B00R_062_012$_{dd}$	0.5	0.5	0.625	0.625	0.125	0.562	270	0.5	0.5	0.625	57.5	2.9	−5.9	6.6	296.4	0.195	0.19	0.0	0.471	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
842	B00R_062_025$_{dd}$	0.375	0.375	0.625	0.625	0.25	0.5	270	0.375	0.375	0.625	48.7	5.8	−11.8	13.2	296.4	0.39	0.38	0.0	0.466	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
843	B00R_062_037$_{dd}$	0.25	0.25	0.625	0.625	0.375	0.437	270	0.25	0.25	0.625	40.0	8.8	−17.7	19.8	296.4	0.569	0.557	0.0	0.461	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
844	B00R_062_050$_{dd}$	0.125	0.125	0.625	0.625	0.5	0.375	270	0.125	0.125	0.625	31.2	11.7	−23.6	26.4	296.4	0.752	0.697	0.0	0.475	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
845	B00R_062_062$_{dd}$	0.0	0.0	0.625	0.625	0.625	0.312	270	0.0	0.0	0.625	22.4	14.6	−29.5	33.0	296.4	0.878	0.849	0.0	0.474	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
846	Y00G_100_050$_{dd}$	1.0	1.0	0.5	1.0	0.5	0.75	90	1.0	1.0	0.5	91.9	−5.9	47.5	47.9	97.1	0.0	0.021	0.53	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
847	Y00G_087_037$_{dd}$	0.875	0.875	0.5	0.875	0.375	0.687	90	0.875	0.875	0.5	83.0	−4.4	35.6	35.9	97.1	0.0	0.08	0.514	0.134	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
848	Y00G_075_025$_{dd}$	0.75	0.75	0.5	0.75	0.25	0.625	90	0.75	0.75	0.5	74.2	−2.9	23.7	23.9	97.1	0.0	0.08	0.419	0.279	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
849	Y00G_062_012$_{dd}$	0.625	0.625	0.5	0.625	0.125	0.562	90	0.625	0.625	0.5	65.4	−1.4	11.8	11.9	97.1	0.0	0.057	0.259	0.428	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
850	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.026	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
851	B00R_050_012$_{dd}$	0.375	0.375	0.5	0.5	0.125	0.437	270	0.375	0.375	0.5	47.8	2.9	−5.9	6.6	296.4	0.214	0.23	0.0	0.602	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
852	B00R_050_025$_{dd}$	0.25	0.25	0.5	0.5	0.25	0.375	270	0.249	0.249	0.5	39.0	5.8	−11.8	13.2	296.4	0.461	0.461	0.0	0.599	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
853	B00R_050_037$_{dd}$	0.125	0.125	0.5	0.5	0.375	0.312	270	0.124	0.124	0.5	30.2	8.8	−17.7	19.8	296.4	0.684	0.638	0.0	0.608	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
854	B00R_050_050$_{dd}$	0.0	0.0	0.5	0.5	0.5	0.25	270	0.0	0.0	0.5	21.5	11.7	−23.6	26.4	296.4	0.812	0.802	0.0	0.601	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
855	Y00G_100_062$_{dd}$	1.0	1.0	0.375	1.0	0.625	0.687	90	1.0	1.0	0.375	91.0	−7.4	59.4	59.9	97.1	0.0	0.018	0.64	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
856	Y00G_087_050$_{dd}$	0.875	0.875	0.375	0.875	0.5	0.625	90	0.875	0.875	0.375	82.2	−5.9	47.5	47.9	97.1	0.0	0.083	0.639	0.133	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
857	Y00G_075_037$_{dd}$	0.75	0.75	0.375	0.75	0.375	0.562	90	0.75	0.75	0.375	73.3	−4.4	35.6	35.9	97.1	0.0	0.092	0.574	0.274	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
858	Y00G_062_025$_{dd}$	0.625	0.625	0.375	0.625	0.25	0.5	90	0.625	0.625	0.375	64.5	−2.9	23.7	23.9	97.1	0.0	0.085	0.462	0.414	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
859	Y00G_050_012$_{dd}$	0.5	0.5	0.375	0.5	0.125	0.437	90	0.5	0.5	0.375	55.7	−1.4	11.8	11.9	97.1	0.0	0.067	0.313	0.562	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
860	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.034	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
861	B00R_037_012$_{dd}$	0.25	0.25	0.375	0.375	0.125	0.312	270	0.249	0.249	0.375	38.1	2.9	−5.9	6.6	296.4	0.261	0.285	0.0	0.711	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
862	B00R_037_025$_{dd}$	0.125	0.125	0.375	0.375	0.25	0.25	270	0.124	0.124	0.375	29.3	5.8	−11.8	13.2	296.4	0.565	0.542	0.0	0.722	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
863	B00R_037_037$_{dd}$	0.0	0.0	0.375	0.375	0.375	0.187	270	0.0	0.0	0.375	20.5	8.8	−17.7	19.8	296.4	0.723	0.723	0.0	0.714	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
864	Y00G_100_075$_{dd}$	1.0	1.0	0.25	1.0	0.75	0.625	90	1.0	1.0	0.25	90.1	−8.9	71.3	71.9	97.1	0.0	0.014	0.766	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
865	Y00G_087_062$_{dd}$	0.875	0.875	0.25	0.875	0.625	0.562	90	0.875	0.875	0.25	81.3	−7.4	59.4	59.9	97.1	0.0	0.075	0.763	0.139	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
866	Y00G_075_050$_{dd}$	0.75	0.75	0.25	0.75	0.5	0.5	90	0.75	0.75	0.25	72.4	−5.9	47.5	47.9	97.1	0.0	0.089	0.714	0.276	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
867	Y00G_062_037$_{dd}$	0.625	0.625	0.25	0.625	0.375	0.437	90	0.625	0.625	0.25	63.6	−4.4	35.6	35.9	97.1	0.0	0.095	0.633	0.41	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
868	Y00G_050_025$_{dd}$	0.5	0.5	0.25	0.5	0.25	0.375	90	0.5	0.5	0.249	54.8	−2.9	23.7	23.9	97.1	0.0	0.102	0.542	0.547	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
869	Y00G_037_012$_{dd}$	0.375	0.375	0.25	0.375	0.125	0.312	90	0.375	0.375	0.249	45.9	−1.4	11.8	11.9	97.1	0.0	0.069	0.367	0.683	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
870	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.031	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
871	B00R_025_012$_{dd}$	0.125	0.125	0.25	0.25	0.125	0.187	270	0.124	0.124	0.25	28.3	2.9	−5.9	6.6	296.4	0.377	0.382	0.0	0.807	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
872	B00R_025_025$_{dd}$	0.0	0.0	0.25	0.25	0.25	0.125	270	0.0	0.0	0.25	19.6	5.8	−11.8	13.2	296.4	0.608	0.608	0.0	0.808	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
873	Y00G_100_087$_{dd}$	1.0	1.0	0.125	1.0	0.875	0.562	90	1.0	1.0	0.125	89.2	−10.4	83.2	83.8	97.1	0.0	0.006	0.882	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
874	Y00G_087_075$_{dd}$	0.875	0.875	0.125	0.875	0.75	0.5	90	0.875	0.875	0.125	80.4	−8.9	71.3	71.9	97.1	0.0	0.054	0.887	0.15	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
875	Y00G_075_062$_{dd}$	0.75	0.75	0.125	0.75	0.625	0.437	90	0.75	0.75	0.125	71.5	−7.4	59.4	59.9	97.1	0.0	0.077	0.849	0.282	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
876	Y00G_062_050$_{dd}$	0.625	0.625	0.125	0.625	0.5	0.375	90	0.625	0.625	0.125	62.7	−5.9	47.5	47.9	97.1	0.0	0.091	0.793	0.413	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
877	Y00G_050_037$_{dd}$	0.5	0.5	0.125	0.5	0.375	0.312	90	0.5	0.5	0.124	53.9	−4.4	35.6	35.9	97.1	0.0	0.113	0.735	0.546	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
878	Y00G_037_025$_{dd}$	0.375	0.375	0.125	0.375	0.25	0.25	90	0.375	0.375	0.124	45.0	−2.9	23.7	23.9	97.1	0.0	0.107	0.633	0.675	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
879	Y00G_025_012$_{dd}$	0.25	0.25	0.125	0.25	0.125	0.187	90	0.25	0.25	0.124	36.2	−1.4	11.8	11.9	97.1	0.0	0.096	0.459	0.78	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
880	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
881	B00R_012_012$_{dd}$	0.0	0.0	0.125	0.125	0.125	0.062	270	0.0	0.0	0.125	18.6	2.9	−5.9	6.6	296.4	0.431	0.429	0.0	0.896	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
882	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	0.0	0.999	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
883	Y00G_087_087$_{dd}$	0.875	0.875	0.0	0.875	0.875	0.437	90	0.875	0.875	0.0	79.5	−10.4	83.2	83.8	97.1	0.0	0.027	0.97	0.165	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
884	Y00G_075_075$_{dd}$	0.75	0.75	0.0	0.75	0.75	0.375	90	0.75	0.75	0.0	70.7	−8.9	71.3	71.9	97.1	0.0	0.057	0.94	0.292	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
885	Y00G_062_062$_{dd}$	0.625	0.625	0.0	0.625	0.625	0.312	90	0.625	0.625	0.0	61.8	−7.4	59.4	59.9	97.1	0.0	0.161	0.915	0.376	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
886	Y00G_050_050$_{dd}$	0.5	0.5	0.0	0.5	0.5	0.25	90	0.5	0.5	0.0	53.0	−5.9	47.5	47.9	97.1	0.0	0.204	0.868	0.498	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
887	Y00G_037_037$_{dd}$	0.375	0.375	0.0	0.375	0.375	0.187	90	0.375	0.375	0.0	44.2	−4.4	35.6	35.9	97.1	0.0	0.132	0.761	0.672	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
888	Y00G_025_025$_{dd}$	0.25	0.25	0.0	0.25	0.25	0.125	90	0.25	0.25	0.0	35.3	−2.9	23.7	23.9	97.1	0.0	0.155	0.65	0.778	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
889	Y00G_012_012$_{dd}$	0.125	0.125	0.0	0.125	0.125	0.062	90	0.125	0.125	0.0	26.5	−1.4	11.8	11.9	97.1	0.0	0.057	0.518	0.858	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
890	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1032230−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
891	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
892	B50R_100_012$_{dd}$	1.0	0.875	1.0	1.0	0.125	0.937	330	1.0	0.875	1.0	89.5	9.1	−1.0	9.1	353.3	0.0	0.161	0.007	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
893	B50R_100_025$_{dd}$	1.0	0.75	1.0	1.0	0.25	0.875	330	1.0	0.75	1.0	83.6	18.2	−2.1	18.3	353.3	0.0	0.3	0.007	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
894	B50R_100_037$_{dd}$	1.0	0.625	1.0	1.0	0.375	0.812	330	1.0	0.625	1.0	77.7	27.3	−3.2	27.5	353.3	0.0	0.426	0.008	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
895	B50R_100_050$_{dd}$	1.0	0.5	1.0	1.0	0.5	0.75	330	1.0	0.5	1.0	71.8	36.4	−4.2	36.6	353.3	0.0	0.538	0.009	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
896	B50R_100_062$_{dd}$	1.0	0.375	1.0	1.0	0.625	0.687	330	1.0	0.375	1.0	65.9	45.5	−5.3	45.8	353.3	0.0	0.663	0.008	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
897	B50R_100_075$_{dd}$	1.0	0.25	1.0	1.0	0.75	0.625	330	1.0	0.25	1.0	60.0	54.6	−6.4	55.0	353.3	0.0	0.777	0.011	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
898	B50R_100_087$_{dd}$	1.0	0.125	1.0	1.0	0.875	0.562	330	1.0	0.125	1.0	54.1	63.7	−7.4	64.1	353.3	0.0	0.885	0.016	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
899	B50R_100_100$_{dd}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	1.0	0.0	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
900	G00B_100_012$_{dd}$	0.875	1.0	0.875	1.0	0.125	0.937	150	0.875	1.0	0.875	90.0	−8.6	3.5	9.2	157.7	0.214	0.0	0.139	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
901	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.023	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
902	B50R_087_012$_{dd}$	0.875	0.75	0.875	0.875	0.125	0.812	330	0.875	0.75	0.875	79.8	9.1	−1.0	9.1	353.3	0.0	0.198	0.021	0.16	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
903	B50R_087_025$_{dd}$	0.875	0.625	0.875	0.875	0.25	0.75	330	0.875	0.625	0.875	73.9	18.2	−2.1	18.3	353.3	0.0	0.373	0.048	0.14	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
904	B50R_087_037$_{dd}$	0.875	0.5	0.875	0.875	0.375	0.687	330	0.875	0.5	0.875	68.0	27.3	−3.2	27.5	353.3	0.0	0.509	0.066	0.129	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
905	B50R_087_050$_{dd}$	0.875	0.375	0.875	0.875	0.5	0.625	330	0.875	0.375	0.875	62.1	36.4	−4.2	36.6	353.3	0.0	0.624	0.077	0.129	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
906	B50R_087_062$_{dd}$	0.875	0.25	0.875	0.875	0.625	0.562	330	0.875	0.25	0.875	56.2	45.5	−5.3	45.8	353.3	0.0	0.733	0.08	0.136	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
907	B50R_087_075$_{dd}$	0.875	0.125	0.875	0.875	0.75	0.5	330	0.875	0.125	0.875	50.3	54.6	−6.4	55.0	353.3	0.0	0.842	0.072	0.15	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
908	B50R_087_087$_{dd}$	0.875	0.0	0.875	0.875	0.875	0.437	330	0.875	0.0	0.875	44.4	63.7	−7.4	64.1	353.3	0.0	0.96	0.035	0.174	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
909	G00B_100_025$_{dd}$	0.75	1.0	0.75	1.0	0.25	0.875	150	0.75	1.0	0.75	84.5	−17.2	7.0	18.5	157.7	0.352	0.0	0.25	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
910	G00B_087_012$_{dd}$	0.75	0.875	0.75	0.875	0.125	0.812	150	0.75	0.875	0.75	80.3	−8.6	3.5	9.2	157.7	0.25	0.0	0.174	0.149	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
911	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.018	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
912	B50R_075_012$_{dd}$	0.75	0.625	0.75	0.75	0.125	0.687	330	0.75	0.625	0.75	70.1	9.1	−1.0	9.1	353.3	0.0	0.229	0.03	0.298	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
913	B50R_075_025$_{dd}$	0.75	0.5	0.75	0.75	0.25	0.625	330	0.75	0.5	0.75	64.2	18.2	−2.1	18.3	353.3	0.0	0.401	0.06	0.28	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
914	B50R_075_037$_{dd}$	0.75	0.375	0.75	0.75	0.375	0.562	330	0.75	0.375	0.75	58.3	27.3	−3.2	27.5	353.3	0.0	0.546	0.078	0.273	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
915	B50R_075_050$_{dd}$	0.75	0.25	0.75	0.75	0.5	0.5	330	0.75	0.25	0.75	52.4	36.4	−4.2	36.6	353.3	0.0	0.678	0.084	0.274	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
916	B50R_075_062$_{dd}$	0.75	0.125	0.75	0.75	0.625	0.437	330	0.75	0.125	0.75	46.5	45.5	−5.3	45.8	353.3	0.0	0.802	0.084	0.277	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
917	B50R_075_075$_{dd}$	0.75	0.0	0.75	0.75	0.75	0.375	330	0.75	0.0	0.75	40.6	54.6	−6.4	55.0	353.3	0.0	0.929	0.074	0.301	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
918	G00B_100_037$_{dd}$	0.625	1.0	0.625	1.0	0.375	0.812	150	0.625	1.0	0.625	79.1	−25.8	10.5	27.8	157.7	0.489	0.0	0.376	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
919	G00B_087_025$_{dd}$	0.625	0.875	0.625	0.875	0.25	0.75	150	0.625	0.875	0.625	74.8	−17.2	7.0	18.5	157.7	0.435	0.0	0.336	0.117	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
920	G00B_075_012$_{dd}$	0.625	0.75	0.625	0.75	0.125	0.687	150	0.625	0.75	0.625	70.5	−8.6	3.5	9.2	157.7	0.274	0.0	0.201	0.292	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
921	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.02	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
922	B50R_062_012$_{dd}$	0.625	0.5	0.625	0.625	0.125	0.562	330	0.625	0.5	0.625	60.4	9.1	−1.0	9.1	353.3	0.0	0.267	0.036	0.432	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
923	B50R_062_025$_{dd}$	0.625	0.375	0.625	0.625	0.25	0.5	330	0.625	0.375	0.625	54.5	18.2	−2.1	18.3	353.3	0.0	0.463	0.07	0.416	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
924	B50R_062_037$_{dd}$	0.625	0.25	0.625	0.625	0.375	0.437	330	0.625	0.25	0.625	48.6	27.3	−3.2	27.5	353.3	0.0	0.621	0.094	0.415	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
925	B50R_062_050$_{dd}$	0.625	0.125	0.625	0.625	0.5	0.375	330	0.625	0.125	0.625	42.7	36.4	−4.2	36.6	353.3	0.0	0.762	0.109	0.422	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
926	B50R_062_062$_{dd}$	0.625	0.0	0.625	0.625	0.625	0.312	330	0.625	0.0	0.625	36.8	45.5	−5.3	45.8	353.3	0.0	0.894	0.107	0.433	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
927	G00B_100_050$_{dd}$	0.5	1.0	0.5	1.0	0.5	0.75	150	0.5	1.0	0.5	73.7	−34.4	14.0	37.1	157.7	0.634	0.0	0.498	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
928	G00B_087_037$_{dd}$	0.5	0.875	0.5	0.875	0.375	0.687	150	0.5	0.875	0.5	69.4	−25.8	10.5	27.8	157.7	0.599	0.0	0.469	0.093	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
929	G00B_075_025$_{dd}$	0.5	0.75	0.5	0.75	0.25	0.625	150	0.5	0.75	0.5	65.1	−17.2	7.0	18.5	157.7	0.486	0.0	0.374	0.268	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
930	G00B_062_012$_{dd}$	0.5	0.625	0.5	0.625	0.125	0.562	150	0.5	0.625	0.5	60.8	−8.6	3.5	9.2	157.7	0.312	0.0	0.234	0.441	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
931	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.026	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
932	B50R_050_012$_{dd}$	0.5	0.375	0.5	0.5	0.125	0.437	330	0.5	0.375	0.5	50.6	9.1	−1.0	9.1	353.3	0.0	0.303	0.051	0.569	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
933	B50R_050_025$_{dd}$	0.5	0.25	0.5	0.5	0.25	0.375	330	0.5	0.249	0.5	44.7	18.2	−2.1	18.3	353.3	0.0	0.516	0.091	0.555	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
934	B50R_050_037$_{dd}$	0.5	0.125	0.5	0.5	0.375	0.312	330	0.5	0.124	0.5	38.8	27.3	−3.2	27.5	353.3	0.0	0.688	0.116	0.552	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
935	B50R_050_050$_{dd}$	0.5	0.0	0.5	0.5	0.5	0.25	330	0.5	0.0	0.5	32.9	36.4	−4.2	36.6	353.3	0.0	0.837	0.118	0.559	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
936	G00B_100_062$_{dd}$	0.375	1.0	0.375	1.0	0.625	0.687	150	0.375	1.0	0.375	68.2	−43.0	17.5	46.4	157.7	0.75	0.0	0.625	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
937	G00B_087_050$_{dd}$	0.375	0.875	0.375	0.875	0.5	0.625	150	0.375	0.875	0.375	63.9	−34.4	14.0	37.1	157.7	0.701	0.0	0.565	0.079	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
938	G00B_075_037$_{dd}$	0.375	0.75	0.375	0.75	0.375	0.562	150	0.375	0.75	0.375	59.7	−25.8	10.5	27.8	157.7	0.624	0.0	0.497	0.247	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
939	G00B_062_025$_{dd}$	0.375	0.625	0.375	0.625	0.25	0.5	150	0.375	0.625	0.375	55.4	−17.2	7.0	18.5	157.7	0.511	0.0	0.409	0.412	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
940	G00B_050_012$_{dd}$	0.375	0.5	0.375	0.5	0.125	0.437	150	0.375	0.5	0.375	51.1	−8.6	3.5	9.2	157.7	0.326	0.0	0.268	0.566	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
941	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.034	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
942	B50R_037_012$_{dd}$	0.375	0.25	0.375	0.375	0.125	0.312	330	0.375	0.249	0.375	40.9	9.1	−1.0	9.1	353.3	0.0	0.357	0.051	0.686	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
943	B50R_037_025$_{dd}$	0.375	0.125	0.375	0.375	0.25	0.25	330	0.375	0.124	0.375	35.0	18.2	−2.1	18.3	353.3	0.0	0.596	0.09	0.676	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
944	B50R_037_037$_{dd}$	0.375	0.0	0.375	0.375	0.375	0.187	330	0.375	0.0	0.375	29.1	27.3	−3.2	27.5	353.3	0.0	0.755	0.11	0.679	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
945	G00B_100_075$_{dd}$	0.25	1.0	0.25	1.0	0.75	0.625	150	0.25	1.0	0.25	62.8	−51.6	21.0	55.7	157.7	0.875	0.0	0.75	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
946	G00B_087_062$_{dd}$	0.25	0.875	0.25	0.875	0.625	0.562	150	0.25	0.875	0.25	58.5	−43.0	17.5	46.4	157.7	0.82	0.0	0.688	0.093	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
947	G00B_075_050$_{dd}$	0.25	0.75	0.25	0.75	0.5	0.5	150	0.25	0.75	0.25	54.2	−34.4	14.0	37.1	157.7	0.768	0.0	0.632	0.248	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
948	G00B_062_037$_{dd}$	0.25	0.625	0.25	0.625	0.375	0.437	150	0.25	0.625	0.25	49.9	−25.8	10.5	27.8	157.7	0.688	0.0	0.571	0.403	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
949	G00B_050_025$_{dd}$	0.25	0.5	0.25	0.5	0.25	0.375	150	0.249	0.5	0.249	45.7	−17.2	7.0	18.5	157.7	0.573	0.0	0.475	0.545	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
950	G00B_037_012$_{dd}$	0.25	0.375	0.25	0.375	0.125	0.312	150	0.249	0.375	0.249	41.4	−8.6	3.5	9.2	157.7	0.38	0.0	0.321	0.684	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
951	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.031	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
952	B50R_025_012$_{dd}$	0.25	0.125	0.25	0.25	0.125	0.187	330	0.25	0.124	0.25	31.2	9.1	−1.0	9.1	353.3	0.0	0.449	0.052	0.791	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
953	B50R_025_025$_{dd}$	0.25	0.0	0.25	0.25	0.25	0.125	330	0.25	0.0	0.25	25.3	18.2	−2.1	18.3	353.3	0.0	0.637	0.108	0.788	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
954	G00B_100_087$_{dd}$	0.125	1.0	0.125	1.0	0.875	0.562	150	0.125	1.0	0.125	57.3	−60.2	24.6	65.0	157.7	0.919	0.0	0.874	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
955	G00B_087_075$_{dd}$	0.125	0.875	0.125	0.875	0.75	0.5	150	0.125	0.875	0.125	53.1	−51.6	21.0	55.7	157.7	0.913	0.0	0.824	0.132	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
956	G00B_075_062$_{dd}$	0.125	0.75	0.125	0.75	0.625	0.437	150	0.125	0.75	0.125	48.8	−43.0	17.5	46.4	157.7	0.883	0.0	0.77	0.273	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
957	G00B_062_050$_{dd}$	0.125	0.625	0.125	0.625	0.5	0.375	150	0.125	0.625	0.125	44.5	−34.4	14.0	37.1	157.7	0.836	0.0	0.715	0.421	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
958	G00B_050_037$_{dd}$	0.125	0.5	0.125	0.5	0.375	0.312	150	0.124	0.5	0.124	40.2	−25.8	10.5	27.8	157.7	0.764	0.0	0.649	0.56	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
959	G00B_037_025$_{dd}$	0.125	0.375	0.125	0.375	0.25	0.25	150	0.124	0.375	0.124	35.9	−17.2	7.0	18.5	157.7	0.658	0.0	0.559	0.692	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
960	G00B_025_012$_{dd}$	0.125	0.25	0.125	0.25	0.125	0.187	150	0.124	0.25	0.124	31.7	−8.6	3.5	9.2	157.7	0.476	0.0	0.412	0.793	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
961	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
962	B50R_012_012$_{dd}$	0.125	0.0	0.125	0.125	0.125	0.062	330	0.125	0.0	0.125	21.5	9.1	−1.0	9.1	353.3	0.0	0.484	0.079	0.874	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3
963	G00B_100_100$_{dd}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.999	0.0	1.0	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
964	G00B_087_087$_{dd}$	0.0	0.875	0.0	0.875	0.875	0.437	150	0.0	0.875	0.0	47.6	−60.2	24.6	65.0	157.7	0.978	0.0	0.974	0.125	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
965	G00B_075_075$_{dd}$	0.0	0.75	0.0	0.75	0.75	0.375	150	0.0	0.75	0.0	43.3	−51.6	21.0	55.7	157.7	0.934	0.0	0.931	0.313	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
966	G00B_062_062$_{dd}$	0.0	0.625	0.0	0.625	0.625	0.312	150	0.0	0.625	0.0	39.1	−43.0	17.5	46.4	157.7	0.887	0.0	0.885	0.453	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
967	G00B_050_050$_{dd}$	0.0	0.5	0.0	0.5	0.5	0.25	150	0.0	0.5	0.0	34.8	−34.4	14.0	37.1	157.7	0.818	0.0	0.818	0.591	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
968	G00B_037_037$_{dd}$	0.0	0.375	0.0	0.375	0.375	0.187	150	0.0	0.375	0.0	30.5	−25.8	10.5	27.8	157.7	0.72	0.0	0.72	0.717	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
969	G00B_025_025$_{dd}$	0.0	0.25	0.0	0.25	0.25	0.125	150	0.0	0.25	0.0	26.2	−17.2	7.0	18.5	157.7	0.614	0.0	0.614	0.804	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
970	G00B_012_012$_{dd}$	0.0	0.125	0.0	0.125	0.125	0.062	150	0.0	0.125	0.0	21.9	−8.6	3.5	9.2	157.7	0.483	0.0	0.483	0.875	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
971	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1032330−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$				*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$			
972	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
973	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
974	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
975	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
976	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
977	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
978	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
979	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
980	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
981	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
982	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
983	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
984	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
985	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
986	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
987	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
988	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
989	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
990	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
991	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
992	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
993	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
994	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
995	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
996	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
997	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
998	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
999	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1000	NW_012$_{dd}$	0.125	0.125	0.125	0.125	0.0	0.125	360	0.125	0.125	0.125	27.4	0.0	0.0	0.0	0.0	0.037	0.041	0.878	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1001	NW_025$_{dd}$	0.25	0.25	0.25	0.25	0.0	0.25	360	0.25	0.25	0.25	37.1	0.0	0.0	0.0	0.0	0.021	0.0	0.791	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1002	NW_037$_{dd}$	0.375	0.375	0.375	0.375	0.0	0.375	360	0.375	0.375	0.375	46.8	0.0	0.0	0.0	0.0	0.018	0.0	0.69	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1003	NW_050$_{dd}$	0.5	0.5	0.5	0.5	0.0	0.5	360	0.5	0.5	0.5	56.5	0.0	0.0	0.0	0.0	0.01	0.0	0.581	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1004	NW_062$_{dd}$	0.625	0.625	0.625	0.625	0.0	0.625	360	0.625	0.625	0.625	66.3	0.0	0.0	0.0	0.0	0.01	0.0	0.443	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1005	NW_075$_{dd}$	0.75	0.75	0.75	0.75	0.0	0.75	360	0.75	0.75	0.75	76.0	0.0	0.0	0.0	0.0	0.009	0.0	0.306	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1006	NW_087$_{dd}$	0.875	0.875	0.875	0.875	0.0	0.875	360	0.875	0.875	0.875	85.7	0.0	0.0	0.0	0.0	0.007	0.0	0.17	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1007	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1008	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1009	NW_006$_{dd}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.139	0.022	0.0	0.933	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1010	NW_013$_{dd}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.0	0.043	0.048	0.871	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1011	NW_020$_{dd}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.057	0.036	0.0	0.825	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1012	NW_026$_{dd}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.013	0.015	0.0	0.781	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1013	NW_033$_{dd}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.0	0.016	0.005	0.731	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1014	NW_040$_{dd}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.027	0.013	0.0	0.672	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1015	NW_046$_{dd}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.0	0.019	0.018	0.628	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1016	NW_053$_{dd}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.021	0.007	0.0	0.541	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1017	NW_060$_{dd}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.478	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1018	NW_066$_{dd}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.006	0.005	0.0	0.405	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1019	NW_073$_{dd}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.021	0.011	0.0	0.322	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1020	NW_080$_{dd}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.0	0.007	0.005	0.26	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1021	NW_086$_{dd}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0	0.024	0.007	0.0	0.179	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1022	NW_093$_{dd}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0	0.02	0.005	0.0	0.084	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1023	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1024	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1025	NW_006$_{dd}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.139	0.022	0.0	0.933	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1026	NW_013$_{dd}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.0	0.043	0.048	0.871	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1027	NW_020$_{dd}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.057	0.036	0.0	0.825	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1028	NW_026$_{dd}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.013	0.015	0.0	0.781	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1029	NW_033$_{dd}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.0	0.016	0.005	0.731	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1030	NW_040$_{dd}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.027	0.013	0.0	0.672	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1031	NW_046$_{dd}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.0	0.019	0.018	0.628	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1032	NW_053$_{dd}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.021	0.007	0.0	0.541	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1033	NW_060$_{dd}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.478	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1034	NW_066$_{dd}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.006	0.005	0.0	0.405	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1035	NW_073$_{dd}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.021	0.011	0.0	0.322	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1036	NW_080$_{dd}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.0	0.007	0.005	0.26	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1037	NW_086$_{dd}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0	0.024	0.007	0.0	0.179	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1038	NW_093$_{dd}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0	0.02	0.005	0.0	0.084	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1039	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1040	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1041	NW_006$_{dd}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.139	0.022	0.0	0.933	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1042	NW_013$_{dd}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.0	0.043	0.048	0.871	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1043	NW_020$_{dd}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.057	0.036	0.0	0.825	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1044	NW_026$_{dd}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.013	0.015	0.0	0.781	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1045	NW_033$_{dd}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.0	0.016	0.005	0.731	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1046	NW_040$_{dd}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.027	0.013	0.0	0.672	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1047	NW_046$_{dd}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.0	0.019	0.018	0.628	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1048	NW_053$_{dd}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.021	0.007	0.0	0.541	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1049	NW_060$_{dd}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.478	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1050	NW_066$_{dd}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.006	0.005	0.0	0.405	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1051	NW_073$_{dd}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.021	0.011	0.0	0.322	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1052	NW_080$_{dd}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.0	0.007	0.005	0.26	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

3−1032430−F0

n	HIC*$_{Fdd}$	*rgb*$_{Fdd}$			*ict*$_{Fdd}$			h_{si_Fdd}	*rgb**$_{Fdd}$			*LabCh**$_{Fdd}$					*cmyn**$_{sep,Fdd}$				$h_{siM,dd}$	*rgb**$_{Mdd}$			*LabCh**$_{Mdd}$				
1053	NW_086$_{dd}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0	0.024	0.007	0.0	0.179	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1054	NW_093$_{dd}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0	0.02	0.005	0.0	0.084	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1055	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1056	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1057	NW_006$_{dd}$	0.066	0.066	0.066	0.066	0.0	0.066	360	0.066	0.066	0.066	22.8	0.0	0.0	0.0	0.0	0.139	0.022	0.0	0.933	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1058	NW_013$_{dd}$	0.133	0.133	0.133	0.133	0.0	0.133	360	0.133	0.133	0.133	28.0	0.0	0.0	0.0	0.0	0.0	0.043	0.048	0.871	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1059	NW_020$_{dd}$	0.2	0.2	0.2	0.2	0.0	0.2	360	0.2	0.2	0.2	33.2	0.0	0.0	0.0	0.0	0.057	0.036	0.0	0.825	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1060	NW_026$_{dd}$	0.266	0.266	0.266	0.266	0.0	0.266	360	0.266	0.266	0.266	38.3	0.0	0.0	0.0	0.0	0.013	0.015	0.0	0.781	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1061	NW_033$_{dd}$	0.333	0.333	0.333	0.333	0.0	0.333	360	0.333	0.333	0.333	43.6	0.0	0.0	0.0	0.0	0.0	0.016	0.005	0.731	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1062	NW_040$_{dd}$	0.4	0.4	0.4	0.4	0.0	0.4	360	0.4	0.4	0.4	48.8	0.0	0.0	0.0	0.0	0.027	0.013	0.0	0.672	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1063	NW_046$_{dd}$	0.466	0.466	0.466	0.466	0.0	0.466	360	0.466	0.466	0.466	53.9	0.0	0.0	0.0	0.0	0.0	0.019	0.018	0.628	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1064	NW_053$_{dd}$	0.533	0.533	0.533	0.533	0.0	0.533	360	0.533	0.533	0.533	59.1	0.0	0.0	0.0	0.0	0.021	0.007	0.0	0.541	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1065	NW_060$_{dd}$	0.6	0.6	0.6	0.6	0.0	0.6	360	0.6	0.6	0.6	64.3	0.0	0.0	0.0	0.0	0.0	0.006	0.0	0.478	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1066	NW_066$_{dd}$	0.666	0.666	0.666	0.666	0.0	0.666	360	0.666	0.666	0.666	69.5	0.0	0.0	0.0	0.0	0.006	0.005	0.0	0.405	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1067	NW_073$_{dd}$	0.734	0.734	0.734	0.734	0.0	0.734	360	0.734	0.734	0.734	74.7	0.0	0.0	0.0	0.0	0.021	0.011	0.0	0.322	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1068	NW_080$_{dd}$	0.8	0.8	0.8	0.8	0.0	0.8	360	0.8	0.8	0.8	79.9	0.0	0.0	0.0	0.0	0.0	0.007	0.005	0.26	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1069	NW_086$_{dd}$	0.866	0.866	0.866	0.866	0.0	0.866	360	0.866	0.866	0.866	85.0	0.0	0.0	0.0	0.0	0.024	0.007	0.0	0.179	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1070	NW_093$_{dd}$	0.933	0.933	0.933	0.933	0.0	0.933	360	0.933	0.933	0.933	90.2	0.0	0.0	0.0	0.0	0.02	0.005	0.0	0.084	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1071	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1072	NW_000$_{dd}$	0.0	0.0	0.0	0.0	0.0	0.0	360	0.0	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1073	NW_100$_{dd}$	1.0	1.0	1.0	1.0	0.0	1.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	360	1.0	1.0	1.0	95.4	0.0	0.0	0.0	0.0
1074	R00Y_100_100$_{dd}$	1.0	0.0	0.0	1.0	1.0	0.5	390	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	0.0	1.0	1.0	0.0	389	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
1075	G50B_100_100$_{dd}$	0.0	1.0	1.0	1.0	1.0	0.5	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1	0.999	0.0	0.0	0.0	210	0.0	1.0	1.0	58.3	−29.2	−43.7	52.6	236.1
1076	Y00G_100_100$_{dd}$	1.0	1.0	0.0	1.0	1.0	0.5	90	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1	0.0	0.0	0.999	0.0	89	1.0	1.0	0.0	88.3	−11.9	95.1	95.8	97.1
1077	B00R_100_100$_{dd}$	0.0	0.0	1.0	1.0	1.0	0.5	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4	1.0	1.0	0.0	0.0	270	0.0	0.0	1.0	25.3	23.5	−47.3	52.8	296.4
1078	G00B_100_100$_{dd}$	0.0	1.0	0.0	1.0	1.0	0.5	150	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7	0.999	0.0	1.0	0.0	149	0.0	1.0	0.0	51.9	−68.8	28.1	74.3	157.7
1079	B50R_100_100$_{dd}$	1.0	0.0	1.0	1.0	1.0	0.5	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3	0.0	1.0	0.0	0.0	330	1.0	0.0	1.0	48.2	72.8	−8.5	73.3	353.3

delta

graphique TUB-PF54; teintes rouges − verdes
couleurs et différences, $\Delta E'$*, 3D=1, de=0, *cmyk**

entrée : *rgb/cmyk* −> *rgb*$_{dd}$
sortie : linéarisation 3D selon *cmyk**$_{dd}$

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