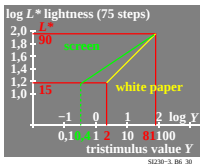
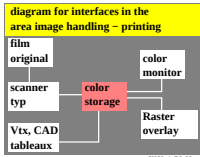


http://130.149.60.45/~farbmatrik/SI23/SI23LON1.TXT /PS; cominciare l'uscita
N: nessun 3D-linearizzazione (OL) nel file (F) o PS-startup (S), pagina 1/1



linear scan area	Y	lightness- area	L*	lightness- L*	color h*	no. d
76,6 ... 85,5	87,5 ... 92,4	90	FFF	4095		
60,1 ... 68,1	77,5 ... 82,4	80	DDD	3549		
45,6 ... 52,5	67,5 ... 72,4	70	BBB	3003		
33,1 ... 39,0	57,5 ... 62,4	60	999	2457		
22,6 ... 27,5	47,5 ... 52,4	50	777	1911		
14,1 ... 18,0	37,5 ... 42,4	40	555	1365		
7,6 ... 10,5	27,5 ... 32,4	30	333	819		
3,1 ... 5,0	17,5 ... 22,4	20	111	273		
1,6 ... 3,0	12,5 ... 17,4	15	000	0		

SI230-5, B6_32

whiteness r _a g _a b _a	yellow- ness Y*	tristimulus value Y	coverage b
15,15,15	0	81 Y _{max}	0,00
15,15,13	2		0,22
15,15,11	4		0,41
15,15, 9	6		0,57
15,15, 7	8		0,71
15,15, 5	10		0,83
15,15, 3	12		0,91
15,15, 1	14		0,98
15,15, 0	15	76 Y _{min}	1,00

SI230-7, B6_34

sensation scaling functions
lightness L* and tristimulus value Y
adaptation on surround white:
 $L^* = 100 (Y / 100)^{1/2,0}$
adaptation on surround gray:
 $L^* = 100 (Y / 100)^{1/2,4}$
description with CIELAB 1976:
 $L^* = 116 (Y / 100)^{1/3,0} - 16$
adaptation on surround black:
 $L^* = 100 (Y / 100)^{1/3,0}$

SI230-2, B6_29

colorness N*	L*	luminous value Y = (L*/10) ^{2,9} 9
0	90	81 Y _{max}
2	80	64
4	70	49
6	60	36
8	50	25
10	40	16
12	30	9
14	20	4
15	15	2,25 Y _{min}

SI230-4, B6_31

whiteness r _a g _a b _a	black- ness N*	tristimulus value Y	coverage b
15,15,15	0	81 Y _{max}	0,00
13,13,13	2	64	0,22
11,11,11	4	49	0,41
9, 9, 9	6	36	0,57
7, 7, 7	8	25	0,71
5, 5, 5	10	16	0,83
3, 3, 3	12	9	0,91
1, 1, 1	14	4	0,98
0, 0, 0	15	2,25 Y _{min}	1,00

SI230-6, B6_33

whiteness r _a g _a b _a	black- ness N*	tristimulus value Y	coverage b
15,15,15	0	81 Y _{max}	0,00
13,13,13	2	64	0,22
11,11,11	4	49	0,41
9, 9, 9	6	36	0,57
7, 7, 7	8	25	0,71
5, 5, 5	10	16	0,83
3, 3, 3	12	9	0,91
1, 1, 1	14	4	0,98
0, 0, 0	15	2,25 Y _{min}	1,00

SI230-8, B6_35

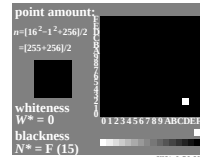
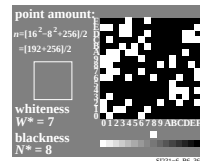
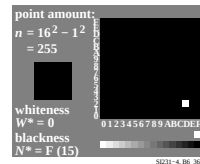
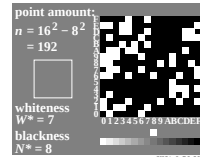
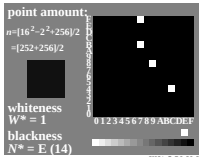
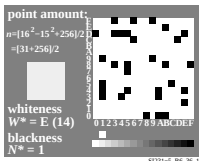
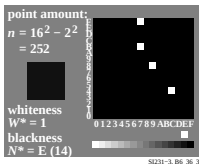
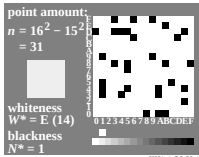


grafico TUB-SI23; Colour scaling
Lightness and scaling functions, area coverage

immettere: w/rgb/cmyk -> w/rgb/cmyk_d
uscita: nessun cambiamento

TUB iscrizione: 20130201-SI23/SI23LON1.TXT /PS
la domanda per la misura di stampa di display

TUB materiale: code=rha4da