

Immettere y uscita: Offset Reflective System ORS18a

Dati del dispositivo (d) o colori elementari (e):

HIC*-

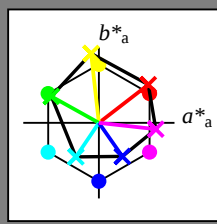
codice di tonalità per i colori

questa pagina:

H*- = R00Y-, R25Y-, ..., B75R-

ORS20a; dati atti CIELAB (a)

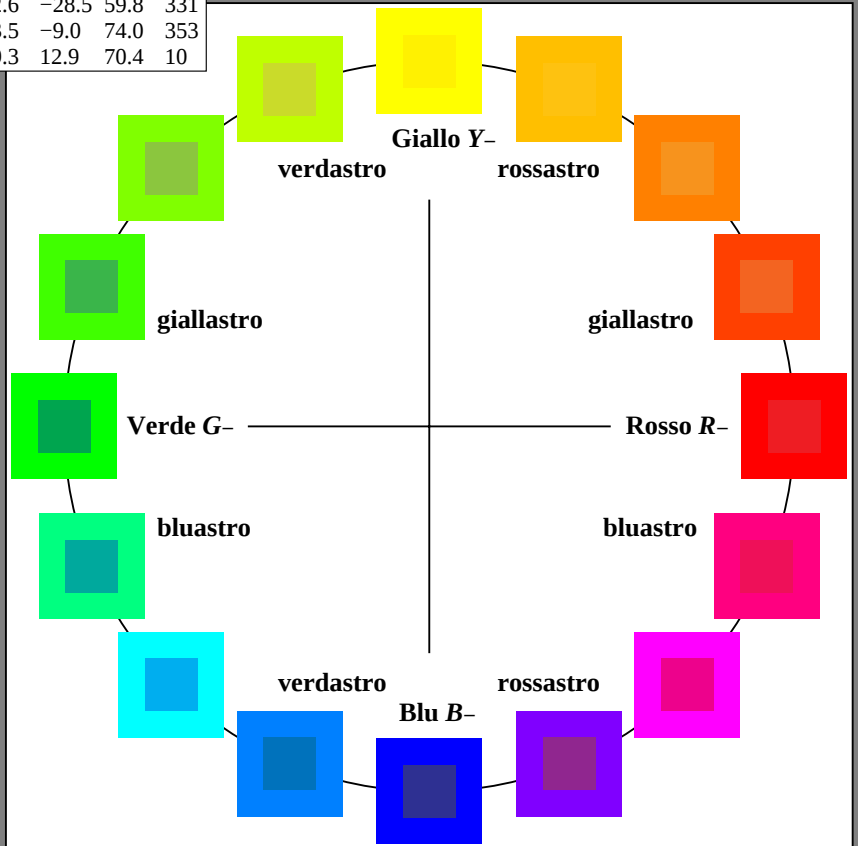
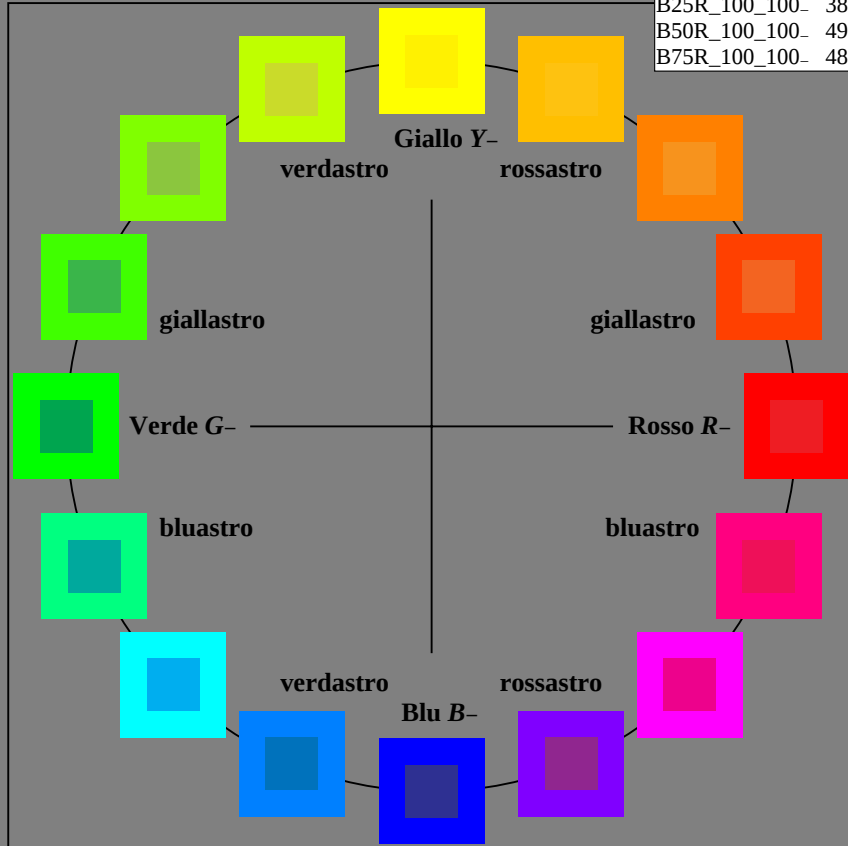
H*-	L*=L*a a*a	b*a	C*ab,a	h*ab,a
R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	62.0	-49.7	43.2	65.8
G00B_100_100_	55.8	-65.2	33.8	73.4
G25B_100_100_	59.3	-50.3	-9.0	51.0
G50B_100_100_	63.0	-30.5	-42.0	51.9
G75B_100_100_	45.7	-5.7	-44.6	44.9
B00R_100_100_	27.5	25.9	-47.3	53.9
B25R_100_100_	38.3	52.6	-28.5	59.8
B50R_100_100_	49.5	73.5	-9.0	74.0
B75R_100_100_	48.9	69.3	12.9	70.4



%Gamma
u*rel = 92
%Regularità
g*H,rel = 57
g*C,rel = 58

ORS18a; dati atti CIELAB (a)

name	L*=L*a a*a	b*a	C*ab,a	h*ab,a
R-,Ma	47.9	65.3	50.5	82.6
Y-,Ma	90.3	-10.2	91.7	92.3
G-,Ma	50.9	-62.8	34.9	71.9
C-,Ma	58.6	-30.3	-45.0	54.2
B-,Ma	25.7	31.0	-44.4	54.2
M-,Ma	48.1	75.2	-8.3	75.7
N-,Ma	18.0	0.0	0.0	0.0
W-,Ma	95.4	0.0	0.0	0.0
R-,CIE	39.9	58.7	27.9	65.0
Y-,CIE	81.2	-2.8	71.5	71.6
G-,CIE	52.2	-42.4	13.6	44.5
B-,CIE	30.5	1.4	-46.4	46.4



4-013030-L0 PI850-7N

grafico TUB-PI85; cerchio delle tinte a 16 passi
grafico conformemente a DIN 33872, 3D=0, de=1, cmyk

Input: rgb/cmyk -> rgb/cmyk
Output: nessun cambiamento

iscrizione TUB: 20150701-PI85/PI85L0NP.PDF /PS
Applicazione per la misura dell'output nella stampa di offset

TUB materiale: code=rha4ta

Immettere y uscita: Offset Reflective System ORS18a

Dati del dispositivo (d) o
colori elementari (e):

HIC^*_e

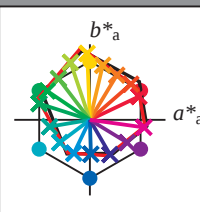
codice di tonalità per i colori

questa pagina:

$H^*_e = R00Y_e, R25Y_e, \dots, B75R_e$

ORS20a; dati atti CIELAB (a)

H^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9	25
R25Y_100_100_e	51.5	54.2	47.2	71.9	41
R50Y_100_100_e	60.3	35.6	59.0	68.9	58
R75Y_100_100_e	70.4	17.0	72.2	74.1	76
Y00G_100_100_e	82.9	-3.5	87.8	87.9	92
Y25G_100_100_e	76.9	-25.5	75.9	80.1	108
Y50G_100_100_e	65.8	-41.4	54.4	68.3	127
Y75G_100_100_e	56.9	-56.3	38.1	68.0	145
G00B_100_100_e	52.4	-67.1	21.5	70.5	162
G25B_100_100_e	54.6	-53.2	-9.0	53.9	189
G50B_100_100_e	56.6	-39.7	-29.9	49.8	216
G75B_100_100_e	52.7	-21.1	-44.1	48.9	244
B00R_100_100_e	37.9	1.3	-45.4	45.4	271
B25R_100_100_e	26.7	26.6	-45.8	52.9	300
B50R_100_100_e	34.8	49.2	-30.0	57.7	328
B75R_100_100_e	47.3	71.5	-9.9	72.1	352



%Gamma

$u^*_{rel} = 92$

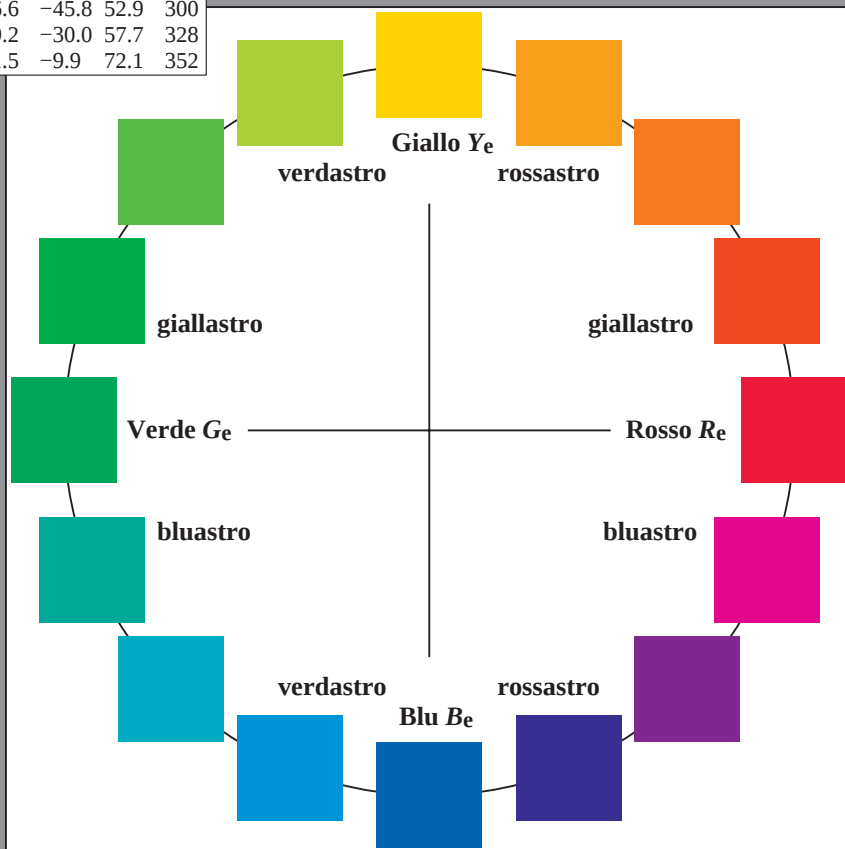
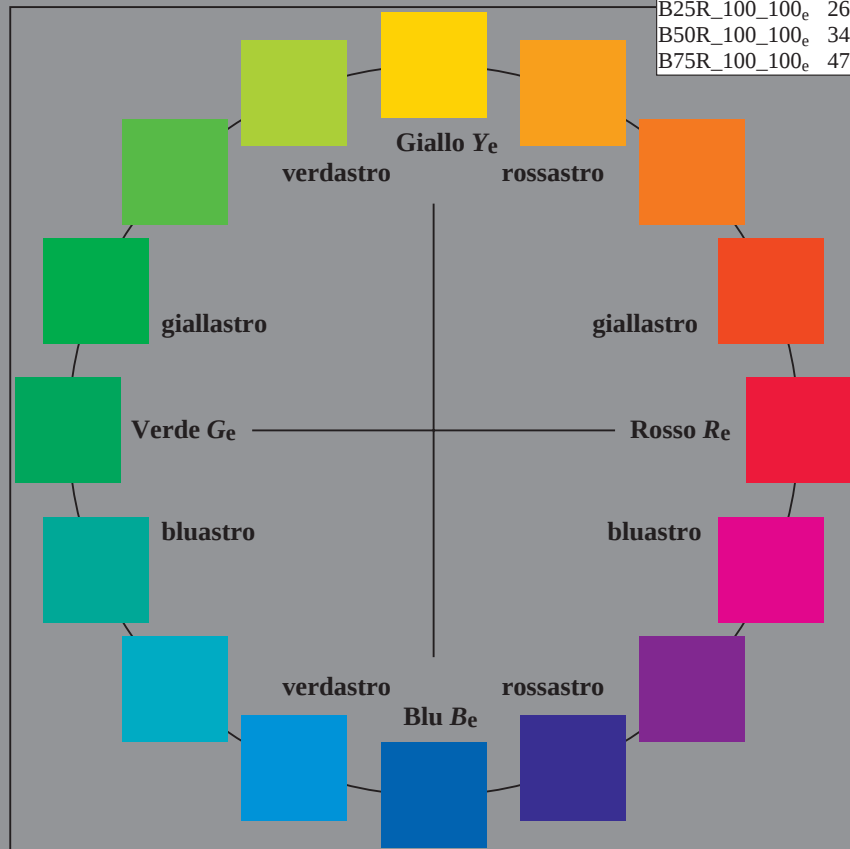
%Regularità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

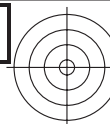
name	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
R _e ,Ma	47.6	64.9	30.9	71.9	25
Y _e ,Ma	82.9	-3.5	87.8	87.9	92
G _e ,Ma	52.4	-67.1	21.5	70.5	162
C _e ,Ma	56.6	-39.7	-29.9	49.8	216
B _e ,Ma	37.9	1.3	-45.4	45.4	271
M _e ,Ma	34.8	49.2	-30.0	57.7	328
N _e ,Ma	17.7	0.0	0.0	0.0	0
W _e ,Ma	95.4	0.0	0.0	0.0	0
R _e ,CIE	39.9	58.7	27.9	65.0	25
Y _e ,CIE	81.2	-2.8	71.5	71.6	92
G _e ,CIE	52.2	-42.4	13.6	44.5	162
B _e ,CIE	30.5	1.4	-46.4	46.4	271

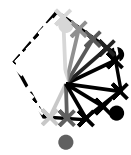
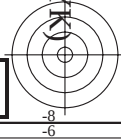
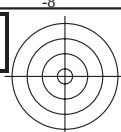


4-013130-L0 PI850-71

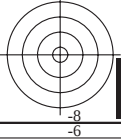
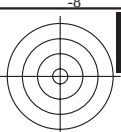
grafico TUB-PI85; cerchio delle tinte a 16 passi
grafico conformemente a DIN 33872, 3D=0, de=1, cmyk

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$





<http://farbe.li.tu-berlin.de/PI85/PI85L0NP.PDF> /.PS; Output di trasferimento
N: nessuna linearizzazione 3D (OL) nel file (F) o PS-startup (S), pagine 4/33



vedi file simili: <http://farbe.li.tu-berlin.de/PI85/PI85.HTM>
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

grafico TUB-PI85; cerchio delle tinte a 16 passi
grafico conformemente a DIN 33872, 3D=0, de=1, cmyk

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

4-013330-L0 PI850-71

4-013330-E0

vedi file simili: <http://farbe.li.tu-berlin.de/PI85/PI85.HTM>
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

iscrizione TUB: 20150701-PI85/PI85L0NP.PDF /.PS
Applicazione per la misura dell'output nella stampa di offset, separazione cmyk6 (CMYK6)
TUB materiale: code=rha4a

grafico TUB-PI85; cerchio delle tinte a 16 passi
grafico conformemente a DIN 33872, 3D=0, de=1, cmyk

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

4-013430-L0 PI850-71

4-013430-F0

Immettere y uscita: Offset Reflective System ORS18a

Dati del dispositivo (d) o
colori elementari (e):

HIC^*_e

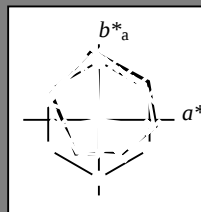
codice di tonalità per i colori

questa pagina:

$H^*_e = R00Y_e, R25Y_e, \dots, B75R_e$

ORS20a; dati atti CIELAB (a)

H^*_e	$L^*=L^*_a a^*_a$	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	64.9	30.9	71.9 25
R25Y_100_100_e	51.5	54.2	47.2	71.9 41
R50Y_100_100_e	60.3	35.6	59.0	68.9 58
R75Y_100_100_e	70.4	17.0	72.2	74.1 76
Y00G_100_100_e	82.9	-3.5	87.8	87.9 92
Y25G_100_100_e	76.9	-25.5	75.9	80.1 108
Y50G_100_100_e	65.8	-41.4	54.4	68.3 127
Y75G_100_100_e	56.9	-56.3	38.1	68.0 145
G00B_100_100_e	52.4	-67.1	21.5	70.5 162
G25B_100_100_e	54.6	-53.2	-9.0	53.9 189
G50B_100_100_e	56.6	-39.7	-29.9	49.8 216
G75B_100_100_e	52.7	-21.1	-44.1	48.9 244
B00R_100_100_e	37.9	1.3	-45.4	45.4 271
B25R_100_100_e	26.7	26.6	-45.8	52.9 300
B50R_100_100_e	34.8	49.2	-30.0	57.7 328
B75R_100_100_e	47.3	71.5	-9.9	72.1 352



%Gamma

$u^*_{rel} = 92$

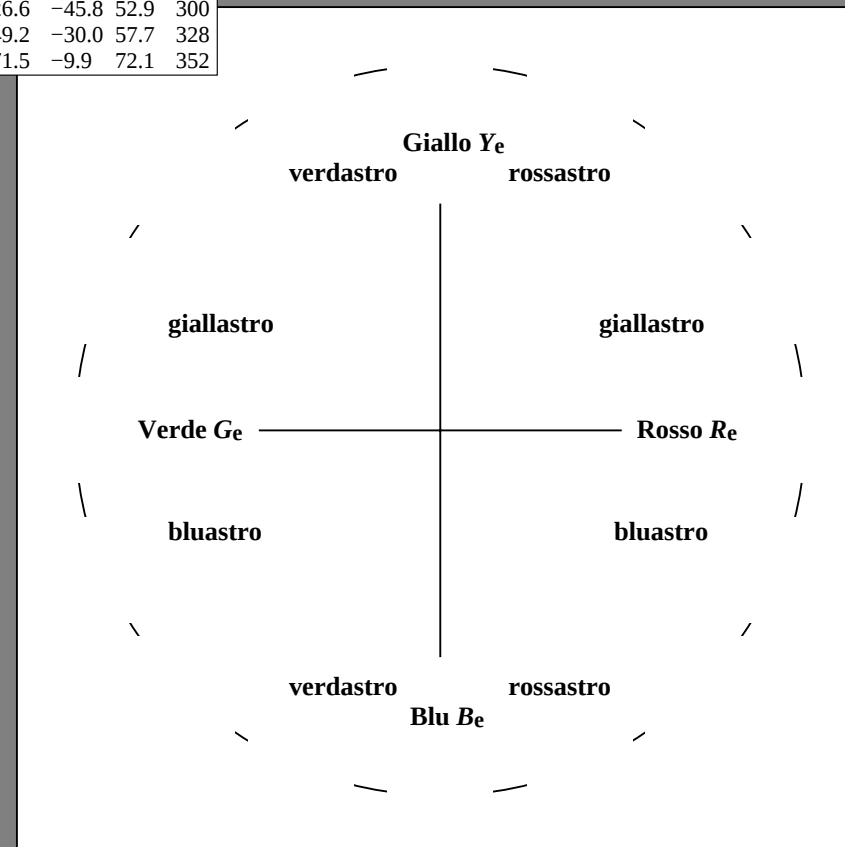
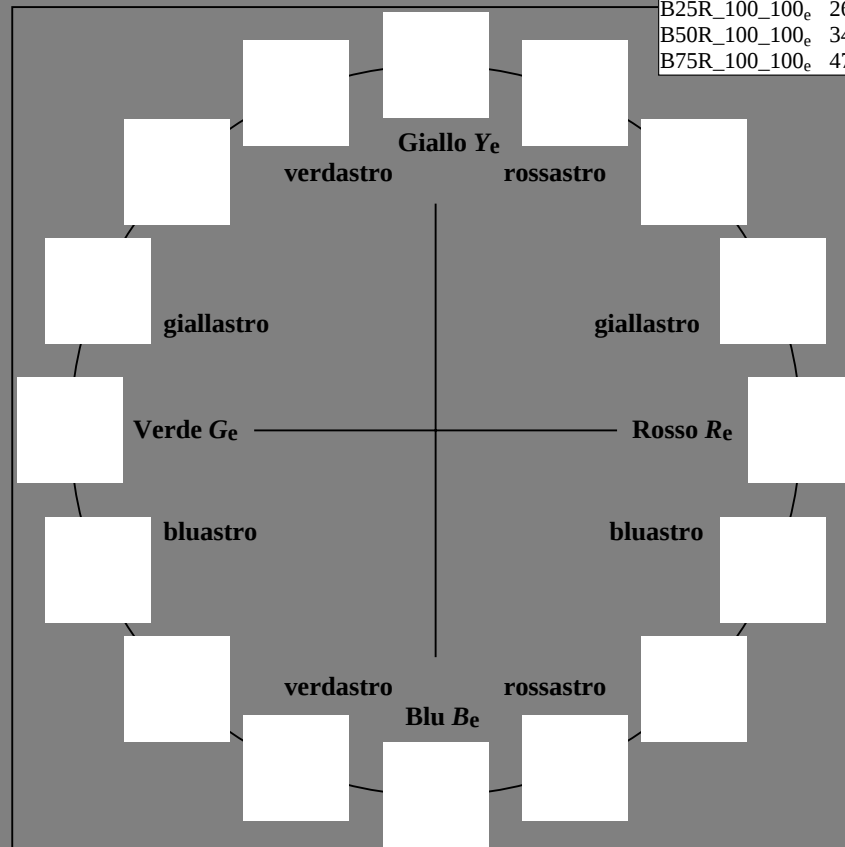
%Regularità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _e ,Ma	47.6	64.9	30.9	71.9	25
Y _e ,Ma	82.9	-3.5	87.8	87.9	92
G _e ,Ma	52.4	-67.1	21.5	70.5	162
C _e ,Ma	56.6	-39.7	-29.9	49.8	216
B _e ,Ma	37.9	1.3	-45.4	45.4	271
M _e ,Ma	34.8	49.2	-30.0	57.7	328
N _e ,Ma	17.7	0.0	0.0	0.0	0
W _e ,Ma	95.4	0.0	0.0	0.0	0
R _e ,CIE	39.9	58.7	27.9	65.0	25
Y _e ,CIE	81.2	-2.8	71.5	71.6	92
G _e ,CIE	52.2	-42.4	13.6	44.5	162
B _e ,CIE	30.5	1.4	-46.4	46.4	271



4-013530-L0 PI850-71

grafico TUB-PI85; cerchio delle tinte a 16 passi
grafico conformemente a DIN 33872, 3D=0, de=1, cmyk

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$

$LCH^*_d = 88.3 \ 95.8 \ 97.1$
 $LAB^*_d = 88.3 \ -11.9 \ 95.1$
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$

$LCH^*_d = 51.9 \ 74.3 \ 157.7$
 $LAB^*_d = 51.9 \ -68.8 \ 28.1$
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$

$LCH^*_d = 58.3 \ 52.6 \ 236.1$
 $LAB^*_d = 58.3 \ -29.2 \ -43.7$
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$

$O=R_d$

$LCH^*_d = 47.3 \ 76.0 \ 32.8$
 $LAB^*_d = 47.3 \ 63.8 \ 41.2$
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$

$LCH^*_d = 48.2 \ 73.3 \ 353.3$
 $LAB^*_d = 48.2 \ 72.8 \ -8.5$
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$

$LCH^*_d = 25.3 \ 52.8 \ 296.4$
 $LAB^*_d = 25.3 \ 23.5 \ -47.3$
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

$J=Y_e$

$LCH^*_e = 82.9 \ 87.9 \ 92.3$
 $LAB^*_e = 82.9 \ -3.5 \ 87.8$
 $rgb^*_{de} = 1.0 \ 0.841 \ 0.0$

G_e

$LCH^*_e = 52.4 \ 70.5 \ 162.2$
 $LAB^*_e = 52.4 \ -67.1 \ 21.5$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.093$

C_e

$LCH^*_e = 56.6 \ 49.8 \ 216.9$
 $LAB^*_e = 56.6 \ -39.7 \ -29.9$
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.735$

B_e

$LCH^*_e = 37.9 \ 45.4 \ 271.7$
 $LAB^*_e = 37.9 \ 1.3 \ -45.4$
 $rgb^*_{de} = 0.0 \ 0.374 \ 1.0$

R_e

$LCH^*_e = 47.6 \ 71.9 \ 25.4$
 $LAB^*_e = 47.6 \ 64.9 \ 30.9$
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.209$

M_e

$LCH^*_e = 34.8 \ 57.7 \ 328.6$
 $LAB^*_e = 34.8 \ 49.2 \ -30.0$
 $rgb^*_{de} = 0.407 \ 0.0 \ 1.0$

$J=Y_s$

$LCH^*_s = 80.6 \ 84.9 \ 90.0$
 $LAB^*_s = 80.6 \ 0.0 \ 84.9$
 $rgb^*_{ds} = 1.0 \ 0.784 \ 0.0$

G_s

$LCH^*_s = 55.1 \ 70.1 \ 150.0$
 $LAB^*_s = 55.1 \ -60.7 \ 35.0$
 $rgb^*_{ds} = 0.074 \ 1.0 \ 0.0$

R_s

$LCH^*_s = 47.4 \ 74.2 \ 30.0$
 $LAB^*_s = 47.4 \ 64.3 \ 37.1$
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.084$

M_s

$LCH^*_s = 35.6 \ 58.3 \ 330.0$
 $LAB^*_s = 35.6 \ 50.5 \ -29.1$
 $rgb^*_{ds} = 0.431 \ 0.0 \ 1.0$

B_s

$LCH^*_s = 38.8 \ 45.4 \ 270.0$
 $LAB^*_s = 38.8 \ 0.0 \ -45.4$
 $rgb^*_{ds} = 0.0 \ 0.397 \ 1.0$

$(a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)$

$rgb^*_d, LCH^*_d, LAB^*_d$

$h_{ab,s}, rgb^*_d$

$$h_{ab,s} = \text{atan} [r^*_d \cos(30) + g^*_d \cos(150)] / [r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270)] \quad (1)$$

$h_{ab,s}$

$s: h_{ab,i} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0 (i=0,6)$

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$

$h_{ab,e}$

$e: h_{ab,i} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5 (i=0,6)$

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$

$h_{ab,d}$

rgb^*_{de}

4-013630-L0

PI850-71

$LAB^*_{a0}, YN=0\%, XYZ_{nw}=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB^*_{nw}=17.7, 0.0, 0.0, 95.5, 0.0, 0.0$

uscita: Offset standard print; separation cmyn6*, D65, pagina 7/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; $rgb-LabCh^*$ tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

4-013630-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{ddx64M}(x=LabCh)$	$rgb^*_{ddx361M}$	$LAB^*_{ddx361M}(x=LabCh)$	$rgb^*_{dsx361M}$	$LAB^*_{dsx361M}(x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$																								
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8	1.0	0.0	0.0	47.4	63.9	41.2	76.0	32	1.0	0.0	0.084	47.4	64.3	37.1	74.3	30	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4	1.0	0.117	0.0	51.0	55.5	46.5	72.4	39	1.0	0.069	0.0	49.5	59.0	44.5	73.9	37	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0	1.0	0.25	0.0	56.0	44.4	53.0	69.2	50	1.0	0.185	0.0	53.5	50.0	50.0	70.7	45	1.0	0.148	0.0	52.1	53.0	48.1	71.6	42
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1	1.0	0.367	0.0	61.1	34.0	59.9	68.9	60	1.0	0.272	0.0	57.0	42.6	54.5	69.1	52	1.0	0.25	0.0	56.0	44.5	53.0	69.2	49
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4	1.0	0.5	0.0	67.2	22.6	67.6	71.3	71	1.0	0.362	0.0	60.9	34.5	59.7	68.9	60	1.0	0.35	0.0	60.3	35.6	59.0	69.0	58
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7	1.0	0.617	0.0	73.2	11.9	75.7	76.6	81	1.0	0.446	0.0	64.7	27.4	64.7	70.3	67	1.0	0.442	0.0	64.5	27.8	64.5	70.2	66
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5	1.0	0.75	0.0	79.3	2.0	83.1	83.1	88	1.0	0.543	0.0	69.4	19.0	70.7	73.2	75	1.0	0.55	0.0	69.8	18.3	71.3	73.6	75
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6	1.0	0.867	0.0	84.0	-5.1	89.1	89.2	93	1.0	0.629	0.0	73.8	10.7	76.5	77.2	82	1.0	0.655	0.0	75.0	9.0	77.9	78.5	83
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1	1.0	1.0	0.0	88.4	-11.9	95.1	95.9	97	1.0	0.785	0.0	80.7	0.0	84.9	84.9	90	1.0	0.842	0.0	83.0	-3.4	87.8	87.9	92
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3	0.883	1.0	0.0	86.0	-15.9	89.0	90.5	100	1.0	0.994	0.0	88.2	-11.5	94.8	95.6	97	0.871	1.0	0.0	85.8	-16.2	88.4	89.9	100
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3	0.75	1.0	0.0	83.0	-19.6	83.0	85.3	103	0.709	1.0	0.0	81.0	-21.6	80.9	83.7	105	0.599	1.0	0.0	76.2	-26.6	74.3	78.9	109
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3	0.633	1.0	0.0	77.5	-24.8	76.8	80.8	107	0.56	1.0	0.0	74.9	-28.6	71.1	76.6	112	0.455	1.0	0.0	71.4	-33.4	63.2	71.6	117
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3	0.5	1.0	0.0	72.8	-31.3	66.1	73.1	115	0.418	1.0	0.0	70.3	-35.1	60.9	70.3	120	0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4	0.383	1.0	0.0	69.2	-36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	-41.1	54.6	68.4	127	0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9	0.25	1.0	0.0	60.9	-47.7	47.9	67.7	134	0.249	1.0	0.0	60.9	-47.7	47.8	67.7	135	0.124	1.0	0.0	57.4	-54.9	38.9	67.4	144
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6	0.133	1.0	0.0	57.6	-54.4	39.6	67.4	144	0.159	1.0	0.0	58.4	-53.0	41.5	67.4	142	0.047	1.0	0.0	54.0	-63.8	32.7	71.7	152
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7	0.0	1.0	0.0	52.0	-68.8	28.1	74.4	157	0.074	1.0	0.0	55.2	-60.7	35.1	70.2	150	0.0	1.0	0.093	52.4	-67.0	21.5	70.5	162
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7	0.0	1.0	0.117	52.5	-66.5	19.9	69.5	163	0.008	1.0	0.0	52.3	-68.0	28.9	73.9	157	0.0	1.0	0.209	53.1	-63.5	12.8	64.9	168
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9	0.0	1.0	0.25	53.3	-61.9	9.8	62.8	170	0.0	1.0	0.147	52.7	-65.7	17.6	68.1	165	0.0	1.0	0.311	53.7	-59.7	4.3	59.9	175
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0	0.0	1.0	0.367	54.0	-57.3	-0.3	57.4	180	0.0	1.0	0.263	53.4	-61.5	8.7	62.2	172	0.0	1.0	0.387	54.2	-56.4	-2.2	56.5	182
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5	0.0	1.0	0.5	54.8	-51.0	-12.2	52.6	193	0.0	1.0	0.362	54.0	-57.5	0.0	57.6	180	0.0	1.0	0.46	54.6	-53.1	-8.9	54.0	189
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9	0.0	1.0	0.617	55.8	-45.5	-21.3	50.3	205	0.0	1.0	0.434	54.5	-54.4	-6.6	54.9	187	0.0	1.0	0.524	55.0	-50.0	-14.3	52.1	195
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4	0.0	1.0	0.75	56.8	-38.9	-30.8	49.8	218	0.0	1.0	0.514	55.0	-50.4	-13.4	52.3	195	0.0	1.0	0.598	55.6	-46.5	-19.9	50.7	203
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3	0.0	1.0	0.867	57.5	-34.6	-36.8	50.6	226	0.0	1.0	0.585	55.5	-47.1	-19.0	50.9	202	0.0	1.0	0.662	56.1	-43.4	-24.7	50.1	209
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1	0.0	1.0	1.0	58.3	-29.2	-43.6	52.6	236	0.0	1.0	0.666	56.1	-43.2	-24.9	50.0	210	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	216
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3	0.0	0.883	1.0	55.5	-25.2	-43.8	50.7	240	0.0	1.0	0.736	56.7	-39.7	-29.9	49.8	217	0.0	1.0	0.819	57.2	-36.4	-34.4	50.3	223
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8	0.0	0.75	1.0	51.8	-19.7	-44.1	48.4	245	0.0	1.0	0.842	57.4	-35.6	-35.6	50.4	225	0.0	1.0	0.922	57.9	-32.5	-39.7	51.4	230
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5	0.0	0.633	1.0	48.0	-14.2	-44.3	46.7	252	0.0	1.0	0.941	58.0	-31.7	-40.7	51.7	232	0.0	0.974	1.0	57.7	-28.3	-43.7	52.2	237
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3	0.0	0.5	1.0	42.8	-5.9	-44.9	45.4	262	0.0	0.886	1.0	55.5	-25.3	-43.8	50.7	240	0.0	0.785	1.0	52.7	-21.1	-44.1	49.0	244
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7	0.0	0.383	1.0	38.3	0.9	-45.3	45.4	271	0.0	0.729	1.0	51.1	-18.7	-44.2	48.1	247	0.0	0.659	1.0	48.9	-15.4	-44.3	47.1	250
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6	0.0	0.25	1.0	33.3	9.5	-45.9	47.0	281	0.0	0.594	1.0	46.5	-11.9	-44.6	46.3	255	0.0	0.555	1.0	45.0	-9.4	-44.8	45.9	258
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3	0.0	0.133	1.0	28.9	16.9	-46.9	49.9	289	0.0	0.505	1.0	43.0	-6.2	-44.9	45.5	262	0.0	0.472	1.0	41.7	-4.3	-45.1	45.4	264
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4	0.0	0.0	1.0	25.3	23.5	-47.3	52.9	296	0.0	0.398	1.0	38.8	0.0	-45.3	45.4	270	0.0	0.375						

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd64M}	$LAB^*_{dd64M} (x=LabCh)$	$rgb^*_{dex361M}$	$LAB^*_{dex361M}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}	
32.8	30.0	25.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32.8
40.4	37.5	33.8	1.0	0.125	0.0	51.2	54.9	46.7	72.1	40.4
50.0	45.0	42.1	1.0	0.25	0.0	56.0	44.4	53.0	69.1	50.0
61.1	52.5	50.5	1.0	0.375	0.0	61.4	33.2	60.3	68.8	61.1
71.4	60.0	58.8	1.0	0.5	0.0	67.2	22.6	67.6	71.2	71.4
81.7	67.5	67.2	1.0	0.625	0.0	73.6	11.0	76.1	76.9	81.7
88.5	75.0	75.6	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88.5
93.6	82.5	83.9	1.0	0.875	0.0	84.2	-5.7	89.4	89.6	93.6
97.1	90.0	92.3	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97.1
100.3	97.5	101.0	0.875	1.0	0.0	85.8	-16.2	88.6	90.0	100.3
103.3	105.0	109.7	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103.3
108.3	112.5	118.5	0.625	1.0	0.0	77.0	-25.2	76.3	80.4	108.3
115.3	120.0	127.2	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115.3
122.4	127.5	136.0	0.375	1.0	0.0	68.9	-36.9	58.1	68.8	122.4
134.9	135.0	144.7	0.25	1.0	0.0	60.8	-47.8	47.8	67.6	134.9
144.6	142.5	153.4	0.125	1.0	0.0	57.4	-54.9	38.9	67.3	144.6
157.7	150.0	162.2	0.0	1.0	0.0	51.9	-68.8	28.1	74.3	157.7
163.7	157.5	169.0	0.0	1.0	0.125	52.5	-66.4	19.3	69.1	163.7
170.9	165.0	175.9	0.0	1.0	0.25	53.2	-61.9	9.8	62.7	170.9
181.0	172.5	182.7	0.0	1.0	0.375	54.1	-56.9	-1.0	56.9	181.0
193.5	180.0	189.6	0.0	1.0	0.5	54.8	-51.0	-12.3	52.5	193.5
205.9	187.5	196.4	0.0	1.0	0.625	55.8	-45.1	-21.9	50.1	205.9
218.4	195.0	203.2	0.0	1.0	0.75	56.7	-38.9	-30.9	49.7	218.4
227.3	202.5	210.1	0.0	1.0	0.875	57.5	-34.3	-37.2	50.6	227.3
236.1	210.0	216.9	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236.1
240.3	217.5	223.8	0.0	0.875	1.0	55.2	-25.0	-43.9	50.5	240.3
245.8	225.0	230.6	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245.8
252.5	232.5	237.5	0.0	0.625	1.0	47.7	-13.9	-44.4	46.5	252.5
262.3	240.0	244.3	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262.3
271.7	247.5	251.2	0.0	0.375	1.0	37.9	1.3	-45.4	45.4	271.7
281.6	255.0	258.0	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281.6
290.3	262.5	264.8	0.0	0.125	1.0	28.6	17.4	-46.9	50.1	290.3
296.4	270.0	271.7	0.0	0.0	1.0	25.3	23.5	-47.3	52.8	296.4
306.7	277.5	278.8	0.125	0.0	1.0	29.3	31.8	-42.6	53.1	306.7
312.7	285.0	285.9	0.25	0.0	1.0	31.5	36.2	-39.2	53.4	312.7
326.7	292.5	293.0	0.375	0.0	1.0	33.8	47.6	-31.2	56.9	326.7
333.9	300.0	300.1	0.5	0.0	1.0	37.8	53.8	-26.3	59.9	333.9
339.6	307.5	307.2	0.625	0.0	1.0	40.9	58.8	-21.8	62.7	339.6
347.2	315.0	314.3	0.75	0.0	1.0	43.1	65.9	-14.9	67.6	347.2
350.2	322.5	321.4	0.875	0.0	1.0	45.9	69.4	-11.9	70.5	350.2
353.3	330.0	328.6	1.0	0.0	1.0	48.2	72.8	-8.5	73.3	353.3
356.5	337.5	335.7	1.0	0.0	0.875	48.2	71.6	-4.3	71.7	356.5
360.3	345.0	342.8	1.0	0.0	0.75	48.1	70.4	0.3	70.4	360.3
365.8	352.5	349.9	1.0	0.0	0.625	48.0	68.9	7.1	69.3	365.8
371.6	360.0	357.0	1.0	0.0	0.5	47.7	67.7	14.0	69.1	371.6
378.2	367.5	364.1	1.0	0.0	0.375	47.7	66.1	21.8	69.6	378.2
383.9	375.0	371.2	1.0	0.0	0.25	47.7	65.0	28.9	71.2	383.9
388.6	382.5	378.3	1.0	0.0	0.125	47.4	64.4	35.1	73.4	388.6
392.8	390.0	385.4	1.0	0.0	0.0	47.3	63.8	41.2	76.0	392.8

4-013830-L0

PI850-71

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

uscita: Offset standard print; separation cmyn6*, D65, pagina 9/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; $rgb-LabCh$ *tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

iscrizione TUB: 20150701-PI85/PI85L0NP.PDF /PS
Applicazione per la misura dell'output output nella stampa di offset, separazione cmyn6 (CMYK)

TUB materiale: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGBM_{\text{S}}$: $h_{\text{ab,ds}} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGBM_{\text{S}}$: $h_{\text{ab,ds}} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGBM_{\text{S}}$: $h_{\text{ab,ds}} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

SIX hue angles of the device colours KFOCBM ₂ (x=LabCh)										SIX hue angles of the elementary colours KFOCBM ₂ (x=LabCh)										SIX hue angles of the device colours KFOCBM ₂ (x=LabCh)										SIX hue angles of the elementary colours KFOCBM ₂ (x=LabCh)									
<i>h</i> _{ab,d}	<i>h</i> _{ab,s}	<i>h</i> _{ab,c}	<i>rgb</i> [*] dd361Mi	<i>LAB</i> [*] dd361Mi (x=LabCh)	<i>rgb</i> [*] ds361Mi	<i>LAB</i> [*] ds361Mi (x=LabCh)	<i>rgb</i> [*] de361Mi	<i>LAB</i> [*] de361Mi (x=LabCh)	<i>rgb</i> [*] ds361Mi	<i>LAB</i> [*] ds361Mi (x=LabCh)	<i>rgb</i> [*] de361Mi	<i>LAB</i> [*] de361Mi (x=LabCh)	<i>rgb</i> [*] dd361Mi	<i>LAB</i> [*] dd361Mi	<i>rgb</i> [*] ds361Mi	<i>LAB</i> [*] ds361Mi (x=LabCh)	<i>rgb</i> [*] de361Mi	<i>LAB</i> [*] de361Mi (x=LabCh)	<i>rgb</i> [*] dd361Mi	<i>LAB</i> [*] dd361Mi	<i>rgb</i> [*] ds361Mi	<i>LAB</i> [*] ds361Mi (x=LabCh)	<i>rgb</i> [*] de361Mi	<i>LAB</i> [*] de361Mi (x=LabCh)	<i>rgb</i> [*] dd361Mi	<i>LAB</i> [*] dd361Mi	<i>rgb</i> [*] ds361Mi	<i>LAB</i> [*] ds361Mi (x=LabCh)	<i>rgb</i> [*] de361Mi	<i>LAB</i> [*] de361Mi (x=LabCh)									
32	30	25	1.0	0.0	0.0	47.3	63.8	41.2	76.0	32	<i>R</i> _d	1.0	0.0	0.084	47.4	64.3	37.1	74.3	30	<i>R</i> _s	1.0	0.0	0.0	1.0	0.0	0.209	47.6	64.9	30.9	71.9	25	<i>R</i> _c	1.0	0.0	0.0				
33	31	26	1.0	0.016	0.0	47.8	62.7	42.0	75.4	33		1.0	0.0	0.054	47.4	64.2	38.6	74.9	31		1.0	0.017	0.0	1.0	0.0	0.18	47.6	64.8	32.4	72.5	26		1.0	0.017	0.0				
34	32	27	1.0	0.033	0.0	48.3	61.5	42.8	74.9	34		1.0	0.0	0.025	47.4	64.0	40.0	75.5	32		1.0	0.033	0.0	1.0	0.0	0.15	47.5	64.6	33.9	73.0	27		1.0	0.033	0.0				
35	33	28	1.0	0.05	0.0	48.9	60.3	43.6	74.4	35		1.0	0.003	0.0	47.5	63.7	41.3	75.9	33		1.0	0.05	0.0	1.0	0.0	0.119	47.5	64.4	35.5	73.6	28		1.0	0.05	0.0				
36	34	29	1.0	0.066	0.0	49.4	59.1	44.3	73.9	36		1.0	0.019	0.0	48.0	62.5	42.2	75.4	34		1.0	0.067	0.0	1.0	0.0	0.086	47.4	64.3	37.0	74.2	29		1.0	0.067	0.0				
37	35	31	1.0	0.083	0.0	49.9	57.9	45.1	73.4	37		1.0	0.036	0.0	48.5	61.4	43.0	74.9	35		1.0	0.083	0.0	1.0	0.0	0.053	47.4	64.2	38.6	74.9	31		1.0	0.083	0.0				
38	36	32	1.0	0.1	0.0	50.4	56.7	45.7	72.9	38		1.0	0.052	0.0	49.0	60.2	43.7	74.4	36		1.0	0.1	0.0	1.0	0.0	0.02	47.4	64.0	40.2	75.6	32		1.0	0.1	0.0				
39	37	33	1.0	0.116	0.0	50.9	55.5	46.4	72.3	39		1.0	0.069	0.0	49.5	59.0	44.5	73.9	37		1.0	0.117	0.0	1.0	0.007	0.0	47.6	63.4	41.6	75.8	33		1.0	0.117	0.0				
41	38	34	1.0	0.133	0.0	51.5	54.2	47.2	71.9	41		1.0	0.085	0.0	50.0	57.8	45.2	73.4	38		1.0	0.133	0.0	1.0	0.026	0.0	48.2	62.1	42.5	75.2	34		1.0	0.133	0.0				
42	39	35	1.0	0.15	0.0	52.1	52.8	48.1	71.5	42		1.0	0.101	0.0	50.5	56.6	45.9	72.9	39		1.0	0.15	0.0	1.0	0.044	0.0	48.7	60.8	43.4	74.6	35		1.0	0.15	0.0				
43	40	36	1.0	0.166	0.0	52.8	51.4	49.0	71.1	43		1.0	0.118	0.0	51.0	55.4	46.5	72.4																					

PI850-71	LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0
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grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; *rqb-LabCh** tavolo

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

uscita: Offset standard print; separation cmyk6*, D65, pagina 10/33

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_c$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361M}	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$LAB^*_{dex361Mi} (x=LabCh)$	$rgb^*_{dd361Mi}$	rgb^*_{dd}	rgb^*_{ds}	rgb^*_{de}
88	75	75	1.0	0.75	0.0	79.2	2.0	83.0	83.1	88	1.0	0.75	0.0	
89	76	76	1.0	0.766	0.0	79.9	1.0	83.9	83.9	89	1.0	0.767	0.0	
89	77	77	1.0	0.783	0.0	80.6	0.0	84.8	84.8	89	1.0	0.783	0.0	
90	78	78	1.0	0.8	0.0	81.2	-0.9	85.7	85.7	90	1.0	0.8	0.0	
91	79	80	1.0	0.816	0.0	81.9	-1.9	86.5	86.5	91	1.0	0.817	0.0	
91	80	81	1.0	0.833	0.0	82.6	-3.0	87.4	87.4	91	1.0	0.833	0.0	
92	81	82	1.0	0.85	0.0	83.2	-4.0	88.2	88.3	92	1.0	0.85	0.0	
93	82	83	1.0	0.866	0.0	83.9	-5.1	89.0	89.2	93	1.0	0.867	0.0	
93	83	84	1.0	0.883	0.0	84.5	-6.1	89.8	90.0	93	1.0	0.883	0.0	
94	84	85	1.0	0.9	0.0	85.1	-6.9	90.6	90.8	94	1.0	0.9	0.0	
94	85	86	1.0	0.916	0.0	85.6	-7.7	91.3	91.7	94	1.0	0.917	0.0	
95	86	87	1.0	0.933	0.0	86.1	-8.5	92.1	92.5	95	1.0	0.933	0.0	
95	87	88	1.0	0.95	0.0	86.7	-9.3	92.9	93.3	95	1.0	0.95	0.0	
96	88	90	1.0	0.966	0.0	87.2	-10.2	93.6	94.2	96	1.0	0.967	0.0	
96	89	91	1.0	0.983	0.0	87.8	-11.1	94.3	95.0	96	1.0	0.983	0.0	
97	90	92	1.0	1.0	0.0	88.3	-11.9	95.1	95.8	97	1.0	1.0	0.0	
97	91	93	0.983	1.0	0.0	88.0	-12.5	94.2	95.1	97	1.0	0.983	1.0	0.0
98	92	94	0.966	1.0	0.0	87.7	-13.1	93.4	94.3	98	1.0	0.967	1.0	0.0
98	93	95	0.95	1.0	0.0	87.3	-13.7	92.5	93.5	98	1.0	0.95	1.0	0.0
98	94	96	0.933	1.0	0.0	87.0	-14.3	91.6	92.7	98	1.0	0.933	1.0	0.0
99	95	98	0.916	1.0	0.0	86.6	-14.8	90.8	92.0	99	1.0	0.917	1.0	0.0
99	96	99	0.9	1.0	0.0	86.3	-15.4	89.9	91.2	99	1.0	0.9	1.0	0.0
100	97	100	0.883	1.0	0.0	86.0	-15.9	89.0	90.4	100	1.0	0.883	1.0	0.0
100	98	101	0.866	1.0	0.0	85.6	-16.4	88.2	89.7	100	1.0	0.867	1.0	0.0
100	99	102	0.85	1.0	0.0	85.2	-16.9	87.4	89.1	100	1.0	0.85	1.0	0.0
101	100	103	0.833	1.0	0.0	84.8	-17.4	86.7	88.4	101	1.0	0.833	1.0	0.0
101	101	105	0.816	1.0	0.0	84.5	-17.9	86.0	87.8	101	1.0	0.817	1.0	0.0
102	102	106	0.8	1.0	0.0	84.1	-18.3	85.2	87.2	102	1.0	0.8	1.0	0.0
102	103	107	0.783	1.0	0.0	83.7	-18.8	84.5	86.5	102	1.0	0.783	1.0	0.0
102	104	108	0.766	1.0	0.0	83.3	-19.2	83.7	85.9	102	1.0	0.767	1.0	0.0
103	105	109	0.75	1.0	0.0	82.9	-19.7	83.0	85.3	103	1.0	0.75	1.0	0.0
104	106	110	0.733	1.0	0.0	82.2	-20.5	82.1	84.6	104	1.0	0.733	1.0	0.0
104	107	112	0.716	1.0	0.0	81.4	-21.3	81.2	84.0	104	1.0	0.717	1.0	0.0
105	108	113	0.7	1.0	0.0	80.6	-22.0	80.3	83.3	105	1.0	0.7	1.0	0.0
106	109	114	0.683	1.0	0.0	79.8	-22.8	79.5	82.7	106	1.0	0.683	1.0	0.0
106	110	115	0.666	1.0	0.0	79.0	-23.5	78.6	82.0	106	1.0	0.667	1.0	0.0
107	111	116	0.65	1.0	0.0	78.2	-24.2	77.7	81.4	107	1.0	0.65	1.0	0.0
107	112	117	0.633	1.0	0.0	77.4	-24.9	76.8	80.7	107	1.0	0.633	1.0	0.0
108	113	119	0.616	1.0	0.0	76.8	-25.7	75.6	79.9	108	1.0	0.617	1.0	0.0
109	114	120	0.6	1.0	0.0	76.2	-26.6	74.3	78.9	109	1.0	0.6	1.0	0.0
110	115	121	0.583	1.0	0.0	75.6	-27.5	72.9	78.0	110	1.0	0.583	1.0	0.0
111	116	122	0.566	1.0	0.0	75.0	-28.3	71.6	77.0	111	1.0	0.567	1.0	0.0
112	117	123	0.55	1.0	0.0	74.5	-29.1	70.2	76.0	112	1.0	0.55	1.0	0.0
113	118	124	0.533	1.0	0.0	73.9	-29.9	68.8	75.0	113	1.0	0.533	1.0	0.0
114	119	126	0.516	1.0	0.0	73.3	-30.6	67.4	74.1	114	1.0	0.517	1.0	0.0
115	120	127	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115	1.0	0.5	1.0	0.0

4-0131030-L0 PI850-71

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

uscita: Offset standard print; separation cmyn6*, D65, pagina 11/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; $rgb-LabCh$ *tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

h _{ab} , s			h _{ab} , s		rgb* _d 361M		LAB* _d 361Mi (x=LabCh)		rgb* _d 361Mi		LAB* _d 361Mi (x=LabCh)		rgb* _d 361Mi		rgb* _d 361Mi		LAB* _d 361Mi (x=LabCh)		rgb* _d 361Mi		rgb* _d 361Mi		rgb* _d 361Mi												
115	120	127	0.5	1.0	0.0	72.7	-31.3	66.0	73.1	115	0.418	1.0	0.0	70.3	-35.1	60.9	70.3	120	0.5	1.0	0.0	0.327	1.0	0.0	65.8	-41.3	54.4	68.4	127	0.5	1.0	0.0			
116	121	128	0.483	1.0	0.0	72.2	-32.1	65.0	72.5	116	0.4	1.0	0.0	69.7	-35.8	59.8	69.7	121	0.483	1.0	0.0	0.315	1.0	0.0	65.1	-42.3	53.5	68.3	128	0.483	1.0	0.0			
117	122	129	0.466	1.0	0.0	71.7	-32.9	63.9	71.9	117	0.383	1.0	0.0	69.2	-36.5	58.6	69.1	122	0.467	1.0	0.0	0.303	1.0	0.0	64.3	-43.3	52.5	68.2	129	0.467	1.0	0.0			
118	123	130	0.45	1.0	0.0	71.2	-33.7	62.9	71.4	118	0.369	1.0	0.0	68.5	-37.4	57.7	68.8	123	0.45	1.0	0.0	0.292	1.0	0.0	63.6	-44.3	51.5	68.1	130	0.45	1.0	0.0			
119	124	131	0.433	1.0	0.0	70.7	-34.5	61.8	70.8	119	0.359	1.0	0.0	67.9	-38.3	56.9	68.7	124	0.433	1.0	0.0	0.28	1.0	0.0	62.8	-45.3	50.6	67.9	131	0.433	1.0	0.0			
120	125	133	0.416	1.0	0.0	70.2	-35.2	60.8	70.2	120	0.349	1.0	0.0	67.3	-39.2	56.2	68.6	125	0.417	1.0	0.0	0.269	1.0	0.0	62.1	-46.2	49.5	67.8	133	0.417	1.0	0.0			
121	126	134	0.4	1.0	0.0	69.6	-35.9	59.7	69.6	121	0.339	1.0	0.0	66.6	-40.2	55.4	68.5	126	0.4	1.0	0.0	0.257	1.0	0.0	61.3	-47.2	48.5	67.7	134	0.4	1.0	0.0			
121	127	135	0.383	1.0	0.0	69.1	-36.5	58.6	69.1	121	0.329	1.0	0.0	66.0	-41.1	54.6	68.4	127	0.383	1.0	0.0	0.244	1.0	0.0	60.7	-48.1	47.5	67.6	135	0.383	1.0	0.0			
123	128	136	0.366	1.0	0.0	68.3	-37.7	57.4	68.7	123	0.319	1.0	0.0	65.3	-42.0	53.8	68.3	128	0.367	1.0	0.0	0.229	1.0	0.0	60.3	-49.0	46.5	67.6	136	0.367	1.0	0.0			
124	129	137	0.35	1.0	0.0	67.3	-39.2	56.2	68.6	124	0.309	1.0	0.0	64.7	-42.8	53.0	68.2	129	0.35	1.0	0.0	0.214	1.0	0.0	59.9	-49.9	45.4	67.6	137	0.35	1.0	0.0			
126	130	138	0.333	1.0	0.0	66.2	-40.8	54.9	68.4	126	0.299	1.0	0.0	64.1	-43.7	52.2	68.1	130	0.333	1.0	0.0	0.199	1.0	0.0	59.5	-50.8	44.4	67.5	138	0.333	1.0	0.0			
128	131	140	0.316	1.0	0.0	65.1	-42.3	53.6	68.2	128	0.289	1.0	0.0	63.4	-44.5	51.3	68.0	131	0.317	1.0	0.0	0.184	1.0	0.0	59.1	-51.7	43.3	67.5	140	0.317	1.0	0.0			
129	132	141	0.3	1.0	0.0	64.0	-43.7	52.2	68.1	129	0.28	1.0	0.0	62.8	-45.4	50.5	67.9	132	0.3	1.0	0.0	0.169	1.0	0.0	58.6	-52.5	42.2</								

4-0131130-L0 PI850-71

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

uscita: Offset standard print; separation cmyk6*, D65, pagina 12/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; *rgb-LabCh** tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

Data of Maximum color M in colorimetric system Offset standard print; separation cmykn*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_S$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$; Six hue angles of the device colours $RYGCBM$: $h_{ab,s} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM$: $h_{ab,s} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

CIE L*a*b* color space								CIE L*u*v* color space								CIE L*w* color space								
Lab, d hab, s hab, e rgb* dd361Mi LAB* ddx361Mi (x=LabCh)								rgb* ds361Mi LAB* ddx361Mi (x=LabCh)								rgb* dd361Mi LAB* dex361Mi (x=LabCh)								
Lab,d	hab,s	hab,e	rgb*	dd361Mi	LAB*	ddx361Mi	(x=LabCh)	rgb*	ds361Mi	LAB*	ddx361Mi	(x=LabCh)	rgb*	dd361Mi	LAB*	dex361Mi	(x=LabCh)	rgb*	dd361Mi	rgb*	ds	rgb*	de	
170	165	175	0.0	1.0	0.25	53.2	-61.9 9.8 62.7	170	0.0	1.0	0.147	52.7 -65.7 17.6 68.1	165	0.0	1.0	0.25	0.0	1.0	0.311	53.7 -59.7 4.3 59.9	175	0.0	1.0	0.25
172	166	176	0.0	1.0	0.266	53.4	-61.4 8.2 61.9	172	0.0	1.0	0.164	52.8 -65.1 16.3 67.2	166	0.0	1.0	0.267	0.0	1.0	0.322	53.8 -59.2 3.3 59.4	176	0.0	1.0	0.267
173	167	177	0.0	1.0	0.283	53.5	-60.8 6.7 61.2	173	0.0	1.0	0.181	52.9 -64.5 14.9 66.3	167	0.0	1.0	0.283	0.0	1.0	0.334	53.8 -58.7 2.3 58.9	177	0.0	1.0	0.283
175	168	178	0.0	1.0	0.3	53.6	-60.2 5.2 60.4	175	0.0	1.0	0.198	53.0 -63.9 13.6 65.4	168	0.0	1.0	0.3	0.0	1.0	0.345	53.9 -58.3 1.4 58.4	178	0.0	1.0	0.3
176	169	179	0.0	1.0	0.316	53.7	-59.5 3.7 59.6	176	0.0	1.0	0.216	53.1 -63.2 12.3 64.5	169	0.0	1.0	0.317	0.0	1.0	0.356	54.0 -57.7 0.4 57.8	179	0.0	1.0	0.317
177	170	180	0.0	1.0	0.333	53.8	-58.8 2.3 58.9	177	0.0	1.0	0.233	53.2 -62.6 11.1 63.6	170	0.0	1.0	0.333	0.0	1.0	0.368	54.1 -57.2 -0.4 57.3	180	0.0	1.0	0.333
179	171	181	0.0	1.0	0.35	53.9	-58.1 0.9 58.1	179	0.0	1.0	0.25	53.3 -61.9 9.8 62.8	171	0.0	1.0	0.35	0.0	1.0	0.378	54.1 -56.8 -1.3 56.9	181	0.0	1.0	0.35
180	172	182	0.0	1.0	0.366	54.0	-57.3 -0.4 57.3	180	0.0	1.0	0.263	53.4 -61.5 8.7 62.2	172	0.0	1.0	0.367	0.0	1.0	0.387	54.2 -56.4 -2.2 56.5	182	0.0	1.0	0.367
181	173	183	0.0	1.0	0.383	54.1	-56.6 -1.8 56.6	181	0.0	1.0	0.275	53.5 -61.1 7.5 61.6	173	0.0	1.0	0.383	0.0	1.0	0.396	54.2 -56.0 -3.1 56.2	183	0.0	1.0	0.383
183	174	184	0.0	1.0	0.4	54.2	-55.9 -3.5 56.0	183	0.0	1.0	0.287	53.5 -60.6 6.4 61.0	174	0.0	1.0	0.4	0.0	1.0	0.405	54.3 -55.7 -3.9 55.9	184	0.0	1.0	0.4
185	175	185	0.0	1.0	0.416	54.3	-55.2 -5.0 55.5	185	0.0	1.0	0.3	53.6 -60.1 5.3 60.5	175	0.0	1.0	0.417	0.0	1.0	0.415	54.3 -55.3 -4.8 55.6	185	0.0	1.0	0.417
186	176	186	0.0	1.0	0.433	54.4	-54.5 -6.6 54.9	186	0.0	1.0	0.312	53.7 -59.6 4.2 59.9	176	0.0	1.0	0.433	0.0	1.0	0.424	54.4 -54.9 -5.6 55.3	186	0.0	1.0	0.433
188	177	186	0.0	1.0	0.45	54.5	-53.7 -8.0 54.3	188	0.0	1.0	0.324	53.8 -59.1 3.1 59.3	177	0.0	1.0	0.45	0.0	1.0	0.433	54.4 -54.4 -6.5 54.9	186	0.0	1.0	0.45
190	178	187	0.0	1.0	0.466	54.6	-52.8 -9.5 53.7	190	0.0	1.0	0.337	53.9 -58.6 2.1 58.7	178	0.0	1.0	0.467	0.0	1.0	0.442	54.5 -54.0 -7.3 54.6	187	0.0	1.0	0.467
191	179	188	0.0	1.0	0.483	54.7	-52.0 -10.9 53.1	191	0.0	1.0	0.349	53.9 -58.1 1.0 58.2	179	0.0	1.0	0.483	0.0	1.0	0.451	54.6 -				

4-0131230-L0 PI850-71

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

uscita: Offset standard print; separation cmyk6*, D65, pagina 13/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; *rqb-LabCh** tavolo

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM _s : $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;										Six hue angles of the device colours RYGBM _d : $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours RYGBM _e : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$									
$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	$LAB^*_{dd361Mi}(x=LabCh)$	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{de361Mi}(x=LabCh)$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dd361Mi}$	$LAB^*_{dd361Mi}$	$rgb^*_{de361Mi}$	$LAB^*_{de361Mi}$	
236	210	216	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	0.0	1.0	1.0	58.3	-29.2	-43.7	52.6	236	
236	211	217	0.0	0.983	1.0	57.9	-28.7	-43.7	52.3	236	0.0	1.0	0.983	1.0	57.9	-28.7	-43.7	52.3	
237	212	218	0.0	0.966	1.0	57.5	-28.1	-43.8	52.0	237	0.0	1.0	0.966	1.0	57.5	-28.1	-43.8	52.0	
237	213	219	0.0	0.95	1.0	57.1	-27.5	-43.8	51.8	237	0.0	1.0	0.95	1.0	57.1	-27.5	-43.8	51.8	
238	214	220	0.0	0.933	1.0	56.7	-26.9	-43.9	51.5	238	0.0	1.0	0.933	1.0	56.7	-26.9	-43.9	51.5	
238	215	221	0.0	0.916	1.0	56.2	-26.4	-43.9	51.2	238	0.0	1.0	0.916	1.0	56.2	-26.4	-43.9	51.2	
239	216	222	0.0	0.9	1.0	55.8	-25.8	-43.9	50.9	239	0.0	1.0	0.9	1.0	55.8	-25.8	-43.9	50.9	
240	217	223	0.0	0.883	1.0	55.4	-25.2	-43.9	50.7	240	0.0	1.0	0.883	1.0	55.4	-25.2	-43.9	50.7	
240	218	224	0.0	0.866	1.0	55.0	-24.6	-43.9	50.4	240	0.0	1.0	0.866	1.0	55.0	-24.6	-43.9	50.4	
241	219	225	0.0	0.85	1.0	54.5	-23.9	-44.0	50.1	241	0.0	1.0	0.85	1.0	54.5	-23.9	-44.0	50.1	
242	220	226	0.0	0.833	1.0	54.1	-23.2	-44.0	49.8	242	0.0	1.0	0.833	1.0	54.1	-23.2	-44.0	49.8	
242	221	227	0.0	0.816	1.0	53.6	-22.5	-44.1	49.5	242	0.0	1.0	0.816	1.0	53.6	-22.5	-44.1	49.5	
243	222	227	0.0	0.8	1.0	53.1	-21.8	-44.1	49.2	243	0.0	1.0	0.8	1.0	53.1	-21.8	-44.1	49.2	
244	223	228	0.0	0.783	1.0	52.7	-21.1	-44.1	48.9	244	0.0	1.0	0.783	1.0	52.7	-21.1	-44.1	48.9	
245	224	229	0.0	0.766	1.0	52.2	-20.4	-44.1	48.6	245	0.0	1.0	0.766	1.0	52.2	-20.4	-44.1	48.6	
245	225	230	0.0	0.75	1.0	51.7	-19.7	-44.1	48.3	245	0.0	1.0	0.75	1.0	51.7	-19.7	-44.1	48.3	
246	226	231	0.0	0.733	1.0	51.2	-18.9	-44.2	48.1	246	0.0	1.0	0.733	1.0	51.2	-18.9	-44.2	48.1	
247	227	232	0.0	0.716	1.0	50.7	-18.1	-44.3	47.8	247	0.0	1.0	0.716	1.0	50.7	-18.1	-44.3	47.8	
248	228	233	0.0	0.7	1.0	50.1	-17.4	-44.3	47.6	248	0.0	1.0	0.7	1.0	50.1	-17.4	-44.3	47.6	
249	229	234	0.0	0.683	1.0	49.6	-16.6	-44.3	47.4	249	0.0	1.0	0.683	1.0	49.6	-16.6	-44.3	47.4	
250	230	235	0.0	0.666	1.0	49.1	-15.8	-44.4	47.1	250	0.0	1.0	0.666	1.0	49.1	-15.8	-44.4	47.1	
251	231	236	0.0	0.65	1.0	48.5	-15.0	-44.4	46.9	251	0.0	1.0	0.65	1.0	48.5	-15.0	-44.4	46.9	
252	232	237	0.0	0.633	1.0	48.0	-14.3	-44.4	46.6	252	0.0	1.0	0.633	1.0	48.0	-14.3	-44.4	46.6	
253	233	237	0.0	0.616	1.0	47.4	-13.4	-44.5	46.4	253	0.0	1.0	0.616	1.0	47.4	-13.4	-44.5	46.4	
254	234	238	0.0	0.6	1.0	46.7	-12.3	-44.6	46.3	254	0.0	1.0	0.6	1.0	46.7	-12.3	-44.6	46.3	
255	235	239	0.0	0.583	1.0	46.1	-11.3	-44.7	46.1	255	0.0	1.0	0.583	1.0	46.1	-11.3	-44.7	46.1	
257	236	240	0.0	0.566	1.0	45.4	-10.2	-44.8	46.0	257	0.0	1.0	0.566	1.0	45.4	-10.2	-44.8	46.0	
258	237	241	0.0	0.55	1.0	44.7	-9.1	-44.9	45.8	258	0.0	1.0	0.55	1.0	44.7	-9.1	-44.9	45.8	
259	238	242	0.0	0.533	1.0	44.1	-8.1	-45.0	45.7	259	0.0	1.0	0.533	1.0	44.1	-8.1	-45.0	45.7	
261	239	243	0.0	0.516	1.0	43.4	-7.0	-45.0	45.5	261	0.0	1.0	0.516	1.0	43.4	-7.0	-45.0	45.5	
262	240	244	0.0	0.5	1.0	42.7	-6.0	-45.0	45.4	262	0.0	1.0	0.5	1.0	42.7	-6.0	-45.0	45.4	
263	241	245	0.0	0.483	1.0	42.1	-5.0	-45.1	45.4	263	0.0	1.0	0.483	1.0	42.1	-5.0	-45.1	45.4	
264	242	246	0.0	0.466	1.0	41.4	-4.0	-45.2	45.4	264	0.0	1.0	0.466	1.0	41.4	-4.0	-45.2	45.4	
266	243	247	0.0	0.45	1.0	40.8	-3.0	-45.3	45.4	266	0.0	1.0	0.45	1.0	40.8	-3.0	-45.3	45.4	
267	244	248	0.0	0.433	1.0	40.2	-2.1	-45.3	45.4	267	0.0	1.0	0.433	1.0	40.2	-2.1	-45.3	45.4	
268	245	248	0.0	0.416	1.0	39.5	-1.1	-45.4	45.4	268	0.0	1.0	0.416	1.0	39.5	-1.1	-45.4	45.4	
269	246	249	0.0	0.4	1.0	38.9	-0.1	-45.4	45.4	269	0.0	1.0	0.4	1.0	38.9	-0.1	-45.4	45.4	
271	247	250	0.0	0.383	1.0	38.2	0.8	-45.4	45.4	271	0.0	1.0	0.383	1.0	38.2	0.8	-45.4	45.4	
272	248	251	0.0	0.366	1.0	37.6	1.8	-45.5	45.5	272	0.0	1.0	0.366	1.0	37.6	1.8	-45.5	45.5	
273	249	252	0.0	0.35	1.0	37.0	2.9	-45.6	45.7	273	0.0	1.0	0.35	1.0	37.0	2.9	-45.6	45.7	
275	250	253	0.0	0.333	1.0	36.4	4.0	-45.7	45.9	275	0.0	1.0	0.333	1.0	36.4	4.0	-45.7	45.9	
276	251	254	0.0	0.316	1.0	35.7	5.1	-45.8	46.1	276	0.0	1.0	0.316	1.0	35.7	5.1	-45.8	46.1	
277	252	255	0.0	0.3	1.0	35.1	6.1	-45.9	46.3	277	0.0	1.0	0.3	1.0	35.1	6.1	-45.9	46.3	
279	253	256	0.0	0.283	1.0	34.5	7.2	-46.0	46.5	279	0.0	1.0	0.283	1.0	34.5	7.2	-46.0	46.5	
280	254	257	0.0	0.266	1.0	33.9	8.3	-46.0	46.7	280	0.0	1.0	0.266	1.0	33.9	8.3	-46.0	46.7	
281	255	258	0.0	0.25	1.0	33.3	9.4	-46.0	47.0	281	0.0	1.0	0.25	1.0	33.3	9.4	-46.0	47.0	

4-0131330-L0 PI850-71

LAB* $l^*a^*b^*$, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB* nw =17.7, 0.0, 0.0, 95.5, 0.0, 0.0

uscita: Offset standard print; separation cmyn6*, D65, pagina 14/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; $rgb-LabCh$ *tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_c$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_c$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^* dd361M	LAB^* ddx361Mi (x=LabCh)	rgb^* ds361Mi	LAB^* dsx361Mi (x=LabCh)	rgb^* dd361Mi	LAB^* de361Mi	LAB^* dex361Mi (x=LabCh)	rgb^* dd361Mi	rgb^*_d	rgb^*_s	rgb^*_e
281	255	258	0.0 0.25 1.0	33.3 9.4 -46.0 47.0	281	0.0 0.594 1.0	46.5 -11.9 -44.6 46.3	255	0.0 0.25 1.0	0.0 0.555 1.0	45.0 -9.4 -44.8 45.9	258	0.0 0.25 1.0
282	256	258	0.0 0.233 1.0	32.7 10.5 -46.2 47.4	282	0.0 0.581 1.0	46.0 -11.1 -44.7 46.2	256	0.0 0.233 1.0	0.0 0.543 1.0	44.5 -8.7 -44.9 45.8	258	0.0 0.233 1.0
283	257	259	0.0 0.216 1.0	32.0 11.5 -46.4 47.8	283	0.0 0.568 1.0	45.5 -10.3 -44.8 46.1	257	0.0 0.217 1.0	0.0 0.532 1.0	44.1 -7.9 -44.9 45.7	259	0.0 0.217 1.0
285	258	260	0.0 0.2 1.0	31.4 12.5 -46.5 48.2	285	0.0 0.556 1.0	45.0 -9.5 -44.8 45.9	258	0.0 0.2 1.0	0.0 0.52 1.0	43.6 -7.2 -44.9 45.6	260	0.0 0.2 1.0
286	259	261	0.0 0.183 1.0	30.8 13.6 -46.7 48.6	286	0.0 0.543 1.0	44.5 -8.6 -44.9 45.8	259	0.0 0.183 1.0	0.0 0.508 1.0	43.1 -6.5 -44.9 45.5	261	0.0 0.183 1.0
287	260	262	0.0 0.166 1.0	30.1 14.7 -46.8 49.0	287	0.0 0.53 1.0	44.0 -7.8 -44.9 45.7	260	0.0 0.167 1.0	0.0 0.497 1.0	42.7 -5.7 -45.0 45.4	262	0.0 0.167 1.0
288	261	263	0.0 0.15 1.0	29.5 15.8 -46.9 49.4	288	0.0 0.517 1.0	43.5 -7.0 -44.9 45.6	261	0.0 0.15 1.0	0.0 0.484 1.0	42.2 -5.0 -45.0 45.4	263	0.0 0.15 1.0
289	262	264	0.0 0.133 1.0	28.9 16.8 -46.9 49.9	289	0.0 0.505 1.0	43.0 -6.2 -44.9 45.5	262	0.0 0.133 1.0	0.0 0.472 1.0	41.7 -4.3 -45.1 45.4	264	0.0 0.133 1.0
290	263	265	0.0 0.116 1.0	28.3 17.8 -47.0 50.3	290	0.0 0.491 1.0	42.5 -5.4 -45.0 45.4	263	0.0 0.117 1.0	0.0 0.46 1.0	41.2 -3.6 -45.2 45.4	265	0.0 0.117 1.0
291	264	266	0.0 0.1 1.0	27.9 18.6 -47.1 50.6	291	0.0 0.478 1.0	41.9 -4.6 -45.1 45.4	264	0.0 0.1 1.0	0.0 0.448 1.0	40.8 -2.9 -45.2 45.4	266	0.0 0.1 1.0
292	265	267	0.0 0.083 1.0	27.5 19.4 -47.1 51.0	292	0.0 0.465 1.0	41.4 -3.9 -45.2 45.4	265	0.0 0.083 1.0	0.0 0.436 1.0	40.3 -2.1 -45.3 45.4	267	0.0 0.083 1.0
293	266	268	0.0 0.066 1.0	27.0 20.2 -47.2 51.4	293	0.0 0.451 1.0	40.9 -3.1 -45.2 45.4	266	0.0 0.067 1.0	0.0 0.423 1.0	39.8 -1.4 -45.3 45.4	268	0.0 0.067 1.0
293	267	269	0.0 0.049 1.0	26.6 21.0 -47.3 51.7	293	0.0 0.438 1.0	40.4 -2.3 -45.3 45.4	267	0.0 0.05 1.0	0.0 0.411 1.0	39.4 -0.7 -45.3 45.4	269	0.0 0.05 1.0
294	268	269	0.0 0.033 1.0	26.2 21.8 -47.3 52.1	294	0.0 0.425 1.0	39.9 -1.5 -45.3 45.4	268	0.0 0.033 1.0	0.0 0.399 1.0	38.9 0.0 -45.3 45.4	269	0.0 0.033 1.0
295	269	270	0.0 0.016 1.0	25.7 22.6 -47.3 52.5	295	0.0 0.411 1.0	39.4 -0.7 -45.3 45.4	269	0.0 0.017 1.0	0.0 0.387 1.0	38.4 0.7 -45.3 45.4	270	0.0 0.017 1.0
296	270	271	0.0 0.0 1.0	25.3 23.5 -47.3 52.8	296	B_d 0.0 0.398 1.0	38.8 0.0 -45.3 45.4	270	B_s 0.0 0.0 1.0	0.0 0.375 1.0	37.9 1.4 -45.3 45.5	271	B_e 0.0 0.0 1.0
297	271	272	0.016 0.0 1.0	25.8 24.6 -46.8 52.9	297	0.0 0.385 1.0	38.3 0.8 -45.3 45.4	271	0.017 0.0 1.0	0.0 0.363 1.0	37.5 2.1 -45.5 45.6	272	0.017 0.0 1.0
299	272	273	0.033 0.0 1.0	26.3 25.8 -46.2 52.9	299	0.0 0.371 1.0	37.8 1.6 -45.4 45.5	272	0.033 0.0 1.0	0.0 0.351 1.0	37.1 2.9 -45.6 45.8	273	0.033 0.0 1.0
300	273	274	0.05 0.0 1.0	26.9 26.9 -45.6 52.9	300	0.0 0.359 1.0	37.3 2.4 -45.5 45.7	273	0.05 0.0 1.0	0.0 0.339 1.0	36.6 3.7 -45.7 45.9	274	0.05 0.0 1.0
301	274	275	0.066 0.0 1.0	27.4 28.0 -45.0 53.0	301	0.0 0.346 1.0	36.9 3.2 -45.6 45.8	274	0.067 0.0 1.0	0.0 0.327 1.0	36.2 4.4 -45.7 46.0	275	0.067 0.0 1.0
303	275	276	0.083 0.0 1.0	27.9 29.1 -44.3 53.0	303	0.0 0.334 1.0	36.4 4.0 -45.7 46.0	275	0.083 0.0 1.0	0.0 0.315 1.0	35.7 5.2 -45.8 46.2	276	0.083 0.0 1.0
304	276	277	0.1 0.0 1.0	28.5 30.2 -43.6 53.1	304	0.0 0.321 1.0	36.0 4.8 -45.8 46.1	276	0.1 0.0 1.0	0.0 0.303 1.0	35.3 6.0 -45.9 46.3	277	0.1 0.0 1.0
306	277	278	0.116 0.0 1.0	29.0 31.2 -42.9 53.1	306	0.0 0.309 1.0	35.5 5.6 -45.8 46.3	277	0.117 0.0 1.0	0.0 0.291 1.0	34.9 6.8 -45.9 46.5	278	0.117 0.0 1.0
307	278	279	0.133 0.0 1.0	29.4 32.1 -42.3 53.1	307	0.0 0.296 1.0	35.0 6.5 -45.9 46.4	278	0.133 0.0 1.0	0.0 0.279 1.0	34.4 7.6 -45.9 46.6	279	0.133 0.0 1.0
307	279	280	0.15 0.0 1.0	29.7 32.7 -41.9 53.2	307	0.0 0.283 1.0	34.6 7.3 -45.9 46.6	279	0.15 0.0 1.0	0.0 0.267 1.0	34.0 8.3 -45.9 46.8	280	0.15 0.0 1.0
308	280	281	0.166 0.0 1.0	30.0 33.3 -41.5 53.2	308	0.0 0.271 1.0	34.1 8.1 -45.9 46.7	280	0.167 0.0 1.0	0.0 0.256 1.0	33.5 9.1 -45.9 46.9	281	0.167 0.0 1.0
309	281	282	0.183 0.0 1.0	30.3 33.9 -41.0 53.2	309	0.0 0.258 1.0	33.6 8.9 -45.9 46.9	281	0.183 0.0 1.0	0.0 0.243 1.0	33.1 9.9 -46.0 47.2	282	0.183 0.0 1.0
310	282	283	0.2 0.0 1.0	30.6 34.5 -40.6 53.3	310	0.0 0.245 1.0	33.1 9.8 -46.0 47.1	282	0.2 0.0 1.0	0.0 0.229 1.0	32.5 10.8 -46.2 47.5	283	0.2 0.0 1.0
311	283	284	0.216 0.0 1.0	30.9 35.0 -40.1 53.3	311	0.0 0.231 1.0	32.6 10.7 -46.2 47.5	283	0.217 0.0 1.0	0.0 0.215 1.0	32.0 11.6 -46.3 47.9	284	0.217 0.0 1.0
311	284	285	0.233 0.0 1.0	31.2 35.6 -39.6 53.3	311	0.0 0.216 1.0	32.1 11.6 -46.3 47.8	284	0.233 0.0 1.0	0.0 0.202 1.0	31.5 12.5 -46.5 48.2	285	0.233 0.0 1.0
312	285	285	0.25 0.0 1.0	31.5 36.2 -39.2 53.4	312	0.0 0.202 1.0	31.5 12.5 -46.5 48.2	285	0.25 0.0 1.0	0.0 0.188 1.0	31.0 13.3 -46.6 48.5	285	0.25 0.0 1.0
314	286	286	0.266 0.0 1.0	31.8 37.8 -38.3 53.8	314	0.0 0.188 1.0	31.0 13.4 -46.6 48.6	286	0.267 0.0 1.0	0.0 0.175 1.0	30.5 14.2 -46.7 48.9	286	0.267 0.0 1.0
316	287	287	0.283 0.0 1.0	32.1 39.4 -37.4 54.3	316	0.0 0.173 1.0	30.4 14.3 -46.7 48.9	287	0.283 0.0 1.0	0.0 0.161 1.0	30.0 15.1 -46.8 49.2	287	0.283 0.0 1.0
318	288	288	0.3 0.0 1.0	32.4 40.9 -36.4 54.8	318	0.0 0.159 1.0	29.9 15.2 -46.8 49.3	288	0.3 0.0 1.0	0.0 0.147 1.0	29.5 16.0 -46.8 49.6	288	0.3 0.0 1.0
320	289	289	0.316 0.0 1.0	32.7 42.4 -35.3 55.3	320	0.0 0.145 1.0	29.4 16.2 -46.8 49.6	289	0.317 0.0 1.0	0.0 0.134 1.0	28.9 16.9 -46.9 49.9	289	0.317 0.0 1.0
322	290	290	0.333 0.0 1.0	33.0 43.9 -34.2 55.7	322	0.0 0.13 1.0	28.8 17.1 -46.9 50.0	290	0.333 0.0 1.0	0.0 0.118 1.0	28.4 17.8 -46.9 50.3	290	0.333 0.0 1.0
323	291	291	0.35 0.0 1.0	33.3 45.4 -33.1 56.2	323	0.0 0.112 1.0	28.3 18.1 -47.0 50.4	291	0.35 0.0 1.0	0.0 0.098 1.0	27.9 18.7 -47.0 50.7	291	0.35 0.0 1.0
325	292	292	0.366 0.0 1.0	33.6 46.9 -31.8 56.7	325	0.0 0.091 1.0	27.7 19.1 -47.1 50.9	292	0.367 0.0 1.0	0.0 0.079 1.0	27.4 19.6 -47.1 51.1	292	0.367 0.0 1.0
327	293	293	0.383 0.0 1.0	34.0 48.0 -30.9 57.1	327	0.0 0.07 1.0	27.2 20.1 -47.1 51.3	293	0.383 0.0 1.0	0.0 0.059 1.0	26.9 20.6 -47.2 51.6	293	0.383 0.0 1.0
328	294	294	0.4 0.0 1.0	34.6 48.9 -30.3 57.5	328	0.0 0.05 1.0	26.6 21.1 -47.2 51.8	294	0.4 0.0 1.0	0.0 0.04 1.0	26.4 21.6 -47.2 52.0	294	0.4 0.0 1.0
329	295	295	0.416 0.0 1.0	35.1 49.7 -29.7 57.9	329	0.0 0.029 1.0	26.1 22.1 -47.2 52.2	295	0.417 0.0 1.0	0.0 0.02 1.0	25.9 22.5 -47.3 52.4	295	0.417 0.0 1.0
330	296	296	0.433 0.0 1.0	35.7 50.5 -29.0 58.3	330	0.0 0.008 1.0	25.6 23.1 -47.3 52.7	296	0.433 0.0 1.0	0.0 0.001 1.0	25.3 23.5 -47.3 52.9	296	0.433 0.0 1.0
331	297	297	0.45 0.0 1.0	36.2 51.4 -28.4 58.7	331	0.007 0.0 1.0	25.6 24.0 -47.0 52.9	297	0.45 0.0 1.0	0.011 0.0 1.0	25.7 24.3 -46.9 52.9	297	0.45 0.0 1.0
332	298	298	0.466 0.0 1.0	36.7 52.2 -27.7 59.1	332	0.019 0.0 1.0	25.9 24.8 -46.6 52.9	298	0.467 0.0 1.0	0.023 0.0 1.0	26.1 25.1 -46.5 52.9	298	0.467 0.0 1.0
332	299	299	0.483 0.0 1.0	37.3 53.0 -27.0 59.5	332	0.031 0.0 1.0	26.3 25.7 -46.2 52.9	299	0.483 0.0 1.0	0.034 0.0 1.0	26.4 25.9 -46.1 53.0	299	0.483 0.0 1.0
333	300	300	0.5 0.0 1.0	37.8 53.8 -26.3 59.9	333	0.043 0.0 1.0	26.7 26.5 -45.8 53.0	300	0.5 0.0 1.0	0.046 0.0 1.0	26.8 26.6 -45.7 53.0	300	0.5 0.0 1.0

4-0131430-L0 PI850-71

LAB^*la0 , $YN=0\%$, $XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3$, $LAB^*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0$

uscita: Offset standard print; separation cmyn6*, D65, pagina 15/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; $rgb-LabCh$ *tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

Data of Maximum color M in colorimetric system Offset standard print; separation cmyn6*, D65 for input or output; Six hue angles of the 60 degree standard colours $RYGCBM_s$: $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$;
Six hue angles of the device colours $RYGCBM_d$: $h_{ab,d} = 32.8, 97.2, 157.8, 236.2, 296.4, 353.3$; Six hue angles of the elementary colours $RYGCBM_e$: $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$h_{ab,d}$	$h_{ab,s}$	$h_{ab,e}$	rgb^*_{dd361M}	LAB^*_{d361Mi} (x=LabCh)	$rgb^*_{ds361Mi}$	$LAB^*_{ds361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$	$LAB^*_{de361Mi}$	$rgb^*_{dex361Mi}$ (x=LabCh)	$rgb^*_{dd361Mi}$
333	300	300	0.5 0.0 1.0	37.8 53.8 -26.3 59.9 333	0.043 0.0 1.0	26.7 26.5 -45.8 53.0 300	0.5 0.0 1.0	0.046 0.0 1.0	26.8 26.6 -45.7 53.0 300	0.5 0.0 1.0
334	301	301	0.516 0.0 1.0	38.3 54.5 -25.7 60.3 334	0.056 0.0 1.0	27.1 27.3 -45.3 53.0 301	0.517 0.0 1.0	0.057 0.0 1.0	27.2 27.4 -45.3 53.0 301	0.517 0.0 1.0
335	302	302	0.533 0.0 1.0	38.7 55.2 -25.2 60.6 335	0.068 0.0 1.0	27.5 28.1 -44.9 53.0 302	0.533 0.0 1.0	0.068 0.0 1.0	27.5 28.2 -44.8 53.0 302	0.533 0.0 1.0
336	303	303	0.55 0.0 1.0	39.1 55.8 -24.6 61.0 336	0.08 0.0 1.0	27.9 28.9 -44.4 53.1 303	0.55 0.0 1.0	0.08 0.0 1.0	27.9 28.9 -44.4 53.1 303	0.55 0.0 1.0
336	304	303	0.566 0.0 1.0	39.5 56.5 -24.0 61.4 336	0.092 0.0 1.0	28.3 29.7 -43.9 53.1 304	0.567 0.0 1.0	0.091 0.0 1.0	28.3 29.7 -43.9 53.1 303	0.567 0.0 1.0
337	305	304	0.583 0.0 1.0	39.9 57.2 -23.4 61.8 337	0.104 0.0 1.0	28.7 30.5 -43.4 53.1 305	0.583 0.0 1.0	0.103 0.0 1.0	28.6 30.4 -43.5 53.1 304	0.583 0.0 1.0
338	306	305	0.6 0.0 1.0	40.3 57.8 -22.8 62.2 338	0.116 0.0 1.0	29.0 31.2 -42.9 53.1 306	0.6 0.0 1.0	0.114 0.0 1.0	29.0 31.1 -43.0 53.1 305	0.6 0.0 1.0
339	307	306	0.616 0.0 1.0	40.7 58.5 -22.1 62.5 339	0.13 0.0 1.0	29.4 32.0 -42.4 53.2 307	0.617 0.0 1.0	0.126 0.0 1.0	29.4 31.9 -42.5 53.2 306	0.617 0.0 1.0
340	308	307	0.633 0.0 1.0	41.1 59.3 -21.4 63.0 340	0.151 0.0 1.0	29.8 32.8 -41.8 53.2 308	0.633 0.0 1.0	0.146 0.0 1.0	29.7 32.6 -42.0 53.2 307	0.633 0.0 1.0
341	309	308	0.65 0.0 1.0	41.4 60.3 -20.5 63.7 341	0.172 0.0 1.0	30.2 33.5 -41.3 53.3 309	0.65 0.0 1.0	0.166 0.0 1.0	30.1 33.3 -41.5 53.2 308	0.65 0.0 1.0
342	310	309	0.666 0.0 1.0	41.7 61.3 -19.7 64.3 342	0.193 0.0 1.0	30.6 34.3 -40.7 53.3 310	0.667 0.0 1.0	0.186 0.0 1.0	30.4 34.0 -40.9 53.3 309	0.667 0.0 1.0
343	311	310	0.683 0.0 1.0	41.9 62.2 -18.8 65.0 343	0.214 0.0 1.0	30.9 35.0 -40.2 53.3 311	0.683 0.0 1.0	0.205 0.0 1.0	30.8 34.7 -40.4 53.3 310	0.683 0.0 1.0
344	312	311	0.7 0.0 1.0	42.2 63.2 -17.8 65.6 344	0.234 0.0 1.0	31.3 35.7 -39.6 53.4 312	0.7 0.0 1.0	0.225 0.0 1.0	31.1 35.4 -39.8 53.4 311	0.7 0.0 1.0
345	313	312	0.716 0.0 1.0	42.5 64.1 -16.9 66.3 345	0.252 0.0 1.0	31.6 36.5 -39.0 53.5 313	0.717 0.0 1.0	0.245 0.0 1.0	31.5 36.1 -39.3 53.4 312	0.717 0.0 1.0
346	314	313	0.733 0.0 1.0	42.8 65.0 -15.9 66.9 346	0.261 0.0 1.0	31.8 37.3 -38.5 53.7 314	0.733 0.0 1.0	0.256 0.0 1.0	31.7 36.8 -38.8 53.6 313	0.733 0.0 1.0
347	315	314	0.75 0.0 1.0	43.1 65.9 -14.9 67.6 347	0.27 0.0 1.0	31.9 38.2 -38.1 54.0 315	0.75 0.0 1.0	0.265 0.0 1.0	31.8 37.7 -38.4 53.8 314	0.75 0.0 1.0
347	316	315	0.766 0.0 1.0	43.5 66.4 -14.5 68.0 347	0.279 0.0 1.0	32.1 39.0 -37.6 54.2 316	0.767 0.0 1.0	0.273 0.0 1.0	32.0 38.5 -37.9 54.1 315	0.767 0.0 1.0
348	317	316	0.783 0.0 1.0	43.8 66.9 -14.1 68.4 348	0.288 0.0 1.0	32.3 39.8 -37.1 54.5 317	0.783 0.0 1.0	0.282 0.0 1.0	32.1 39.3 -37.4 54.3 316	0.783 0.0 1.0
348	318	317	0.8 0.0 1.0	44.2 67.3 -13.7 68.7 348	0.297 0.0 1.0	32.4 40.7 -36.5 54.7 318	0.8 0.0 1.0	0.29 0.0 1.0	32.3 40.0 -36.9 54.5 317	0.8 0.0 1.0
348	319	318	0.816 0.0 1.0	44.6 67.8 -13.3 69.1 348	0.306 0.0 1.0	32.6 41.5 -36.0 55.0 319	0.817 0.0 1.0	0.299 0.0 1.0	32.4 40.8 -36.4 54.8 318	0.817 0.0 1.0
349	320	319	0.833 0.0 1.0	45.0 68.3 -12.9 69.5 349	0.315 0.0 1.0	32.7 42.3 -35.4 55.2 320	0.833 0.0 1.0	0.307 0.0 1.0	32.6 41.6 -35.9 55.0 319	0.833 0.0 1.0
349	321	320	0.85 0.0 1.0	45.3 68.8 -12.5 69.9 349	0.324 0.0 1.0	32.9 43.1 -34.8 55.5 321	0.85 0.0 1.0	0.315 0.0 1.0	32.7 42.4 -35.4 55.3 320	0.85 0.0 1.0
350	322	321	0.866 0.0 1.0	45.7 69.2 -12.1 70.3 350	0.333 0.0 1.0	33.1 43.9 -34.2 55.8 322	0.867 0.0 1.0	0.324 0.0 1.0	32.9 43.2 -34.8 55.5 321	0.867 0.0 1.0
350	323	321	0.883 0.0 1.0	46.1 69.7 -11.7 70.7 350	0.342 0.0 1.0	33.2 44.7 -33.6 56.0 323	0.883 0.0 1.0	0.332 0.0 1.0	33.0 43.9 -34.2 55.7 321	0.883 0.0 1.0
350	324	322	0.9 0.0 1.0	46.4 70.1 -11.2 71.0 350	0.351 0.0 1.0	33.4 45.5 -33.0 56.3 324	0.9 0.0 1.0	0.341 0.0 1.0	33.2 44.7 -33.7 56.0 322	0.9 0.0 1.0
351	325	323	0.916 0.0 1.0	46.7 70.6 -10.8 71.4 351	0.359 0.0 1.0	33.5 46.3 -32.3 56.5 325	0.917 0.0 1.0	0.349 0.0 1.0	33.4 45.4 -33.1 56.2 323	0.917 0.0 1.0
351	326	324	0.933 0.0 1.0	47.0 71.0 -10.3 71.8 351	0.368 0.0 1.0	33.7 47.1 -31.6 56.8 326	0.933 0.0 1.0	0.358 0.0 1.0	33.5 46.2 -32.4 56.5 324	0.933 0.0 1.0
352	327	325	0.95 0.0 1.0	47.3 71.5 -9.9 72.2 352	0.379 0.0 1.0	34.0 47.9 -31.0 57.1 327	0.95 0.0 1.0	0.366 0.0 1.0	33.7 46.9 -31.8 56.7 325	0.95 0.0 1.0
352	328	326	0.966 0.0 1.0	47.6 71.9 -9.4 72.5 352	0.397 0.0 1.0	34.5 48.7 -30.4 57.5 328	0.967 0.0 1.0	0.375 0.0 1.0	33.8 47.6 -31.2 57.0 326	0.967 0.0 1.0
352	329	327	0.983 0.0 1.0	47.9 72.4 -9.0 72.9 352	0.414 0.0 1.0	35.1 49.6 -29.7 57.9 329	0.983 0.0 1.0	0.391 0.0 1.0	34.3 48.4 -30.6 57.3 327	0.983 0.0 1.0
353	330	328	1.0 0.0 1.0	48.2 72.8 -8.5 73.3 353	0.432 0.0 1.0	35.7 50.5 -29.1 58.3 330	1.0 0.0 1.0	0.407 0.0 1.0	34.9 49.3 -30.0 57.7 328	1.0 0.0 1.0
353	331	329	1.0 0.0 0.983	48.2 72.7 -7.9 73.1 353	0.449 0.0 1.0	36.2 51.4 -28.4 58.7 331	1.0 0.0 0.983	0.424 0.0 1.0	35.4 50.1 -29.4 58.1 329	1.0 0.0 0.983
354	332	330	1.0 0.0 0.966	48.2 72.5 -7.4 72.9 354	0.467 0.0 1.0	36.8 52.2 -27.7 59.1 332	1.0 0.0 0.967	0.441 0.0 1.0	35.9 50.9 -28.7 58.5 330	1.0 0.0 0.967
354	333	331	1.0 0.0 0.95	48.2 72.4 -6.8 72.7 354	0.484 0.0 1.0	37.4 53.1 -26.9 59.6 333	1.0 0.0 0.95	0.457 0.0 1.0	36.5 51.8 -28.1 58.9 331	1.0 0.0 0.95
355	334	332	1.0 0.0 0.933	48.2 72.2 -6.2 72.5 355	0.502 0.0 1.0	37.9 53.9 -26.2 60.0 334	1.0 0.0 0.933	0.474 0.0 1.0	37.0 52.6 -27.4 59.3 332	1.0 0.0 0.933
355	335	333	1.0 0.0 0.916	48.2 72.0 -5.7 72.3 355	0.524 0.0 1.0	38.5 54.8 -25.5 60.5 335	1.0 0.0 0.917	0.49 0.0 1.0	37.6 53.4 -26.7 59.7 333	1.0 0.0 0.917
355	336	334	1.0 0.0 0.9	48.2 71.9 -5.1 72.1 355	0.546 0.0 1.0	39.0 55.7 -24.7 61.0 336	1.0 0.0 0.9	0.508 0.0 1.0	38.1 54.2 -26.0 60.1 334	1.0 0.0 0.9
356	337	335	1.0 0.0 0.883	48.2 71.7 -4.6 71.8 356	0.567 0.0 1.0	39.6 56.6 -23.9 61.5 337	1.0 0.0 0.883	0.529 0.0 1.0	38.6 55.0 -25.3 60.6 335	1.0 0.0 0.883
356	338	336	1.0 0.0 0.866	48.2 71.5 -4.0 71.7 356	0.589 0.0 1.0	40.1 57.5 -23.1 62.0 338	1.0 0.0 0.867	0.55 0.0 1.0	39.1 55.9 -24.6 61.1 336	1.0 0.0 0.867
357	339	337	1.0 0.0 0.85	48.2 71.4 -3.3 71.5 357	0.611 0.0 1.0	40.7 58.3 -22.3 62.5 339	1.0 0.0 0.85	0.57 0.0 1.0	39.6 56.7 -23.8 61.5 337	1.0 0.0 0.85
357	340	338	1.0 0.0 0.833	48.2 71.3 -2.7 71.3 357	0.631 0.0 1.0	41.1 59.2 -21.5 63.0 340	1.0 0.0 0.833	0.591 0.0 1.0	40.2 57.5 -23.0 62.0 338	1.0 0.0 0.833
358	341	339	1.0 0.0 0.816	48.2 71.1 -2.1 71.1 358	0.648 0.0 1.0	41.4 60.2 -20.6 63.7 341	1.0 0.0 0.817	0.612 0.0 1.0	40.7 58.3 -22.3 62.5 339	1.0 0.0 0.817
358	342	339	1.0 0.0 0.8	48.2 70.9 -1.4 71.0 358	0.664 0.0 1.0	41.7 61.1 -19.8 64.3 342	1.0 0.0 0.8	0.631 0.0 1.0	41.1 59.2 -21.5 63.0 339	1.0 0.0 0.8
359	343	340	1.0 0.0 0.783	48.1 70.8 -0.8 70.8 359	0.68 0.0 1.0	41.9 62.1 -18.9 64.9 343	1.0 0.0 0.783	0.646 0.0 1.0	41.4 60.1 -20.7 63.6 340	1.0 0.0 0.783
359	344	341	1.0 0.0 0.766	48.1 70.6 -0.2 70.6 359	0.697 0.0 1.0	42.2 63.0 -18.0 65.6 344	1.0 0.0 0.767	0.662 0.0 1.0	41.6 61.0 -19.9 64.2 341	1.0 0.0 0.767
360	345	342	1.0 0.0 0.75	48.1 70.4 0.3 70.4 360	0.713 0.0 1.0	42.5 64.0 -17.0 66.2 345	1.0 0.0 0.75	0.678 0.0 1.0	41.9 61.9 -19.0 64.8 342	1.0 0.0 0.75

4-0131530-L0 PI850-71

LAB*la0, YN=0%, XYZnw=2.4, 2.5, 2.6, 85.1, 88.8, 104.3, LAB*nw=17.7, 0.0, 0.0, 95.5, 0.0, 0.0

uscita: Offset standard print; separation cmyn6*, D65, pagina 16/33

grafico TUB-PI85; cerchio delle tinte a 16 passi
cerchio delle tinte a 48 passi; $rgb-LabCh$ *tavole

Input: $rgb/cmyk \rightarrow rgb_e$
Output: trasferire a $cmyk_e$

nj	HC*Fe	rgb_Fe	ic_Fe	hs_Fe	LabCH*Fe	rgb*Fe	LabCH*Fe	DF*Fe	hsM*Fe	rgb*Me	LabCH*Me	
0/648	R00Y_100_100e	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4
1/666	R25Y_100_100e	1.0	0.25	0.0	1.0	0.133	0.0	0.133	0.0	0.133	0.0	71.9
2/684	R50Y_100_100e	1.0	0.5	0.0	1.0	0.267	0.0	0.267	0.0	0.267	0.0	47.2
3/702	R75Y_100_100e	1.0	0.75	0.0	1.0	0.400	0.0	0.400	0.0	0.400	0.0	71.9
4/720	Y00C_100_100e	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8
5/738	Y25C_100_100e	0.0	0.25	1.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	71.9
6/756	Y50C_100_100e	0.0	0.5	1.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	71.9
7/774	Y75C_100_100e	0.0	0.75	1.0	1.0	0.0	0.75	0.0	0.75	0.0	0.75	71.9
8/792	C00B_100_100e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	108.6
9/810	C25B_100_100e	0.0	0.25	0.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	127.2
10/828	C50B_100_100e	0.0	0.5	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	68.1
11/846	C75B_100_100e	0.0	0.75	0.0	1.0	0.0	0.75	0.0	0.75	0.0	0.75	145.9
12/864	G00B_100_100e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	162.2
13/882	G25B_100_100e	0.0	0.25	0.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	70.5
14/900	G50B_100_100e	0.0	0.5	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	162.2
15/918	G75B_100_100e	0.0	0.75	0.0	1.0	0.0	0.75	0.0	0.75	0.0	0.75	70.5
16/936	B00R_100_100e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4
17/954	B25R_100_100e	0.0	0.25	0.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	71.9
18/972	B50R_100_100e	0.0	0.5	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	71.9
19/990	B75R_100_100e	0.0	0.75	0.0	1.0	0.0	0.75	0.0	0.75	0.0	0.75	71.9
20/1008	R00Y_100_050e	0.75	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4
21/1026	R25Y_100_050e	0.75	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
22/1044	R50Y_100_050e	0.75	0.75	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
23/1062	Y00C_100_050e	0.0	0.0	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8
24/1080	Y25C_100_050e	0.0	0.25	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
25/1098	Y50C_100_050e	0.0	0.5	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
26/1116	Y75C_100_050e	0.0	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
27/1134	C00B_100_050e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	108.6
28/1152	C25B_100_050e	0.0	0.25	0.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	127.2
29/1170	C50B_100_050e	0.0	0.5	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	68.1
30/1188	C75B_100_050e	0.0	0.75	0.0	1.0	0.0	0.75	0.0	0.75	0.0	0.75	145.9
31/1206	G00B_100_050e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	162.2
32/1224	G25B_100_050e	0.0	0.25	0.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	70.5
33/1242	G50B_100_050e	0.0	0.5	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	162.2
34/1260	B00R_100_050e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4
35/1278	B25R_100_050e	0.0	0.25	0.0	1.0	0.0	0.25	0.0	0.25	0.0	0.25	71.9
36/1296	B50R_100_050e	0.0	0.5	0.0	1.0	0.0	0.5	0.0	0.5	0.0	0.5	71.9
37/1314	B75R_100_050e	0.0	0.75	0.0	1.0	0.0	0.75	0.0	0.75	0.0	0.75	71.9
38/1332	R00Y_050_050e	0.5	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	25.4
39/1350	R25Y_050_050e	0.5	0.25	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
40/1368	R50Y_050_050e	0.5	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
41/1386	Y00C_050_050e	0.0	0.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8
42/1404	Y25C_050_050e	0.0	0.25	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
43/1422	Y50C_050_050e	0.0	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
44/1440	Y75C_050_050e	0.0	0.75	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	71.9
45/0	NW_000e	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46/182	NW_013e	0.125	0.125	0.125	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47/182	NW_025e	0.25	0.25	0.25	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48/273	NW_038e	0.375	0.375	0.375	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49/364	NW_050e	0.5	0.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50/455	NW_063e	0.625	0.625	0.625	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51/546	NW_075e	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52/637	NW_088e	0.875	0.875	0.875	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53/728	NW_100e	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

delta E* = 12.3

n	HC*Fe	rgb_Fe	ic*_Fe	hs*_Fe	rgb_Fe	LabCh*Fe	rgb**Fe	LabCh**Fe	DF**Fe	hs**Fe	rgb**Fe	LabCh**Fe
972	NW 000e	0.0	0.0	0.0	0.0	17.7	0.0	19.3	0.4	84.7	1.6	95.4
973	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.2	226.1	3.1	95.4
974	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.4	236.5	8.3	95.4
975	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.4	217.4	9.3	95.4
976	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.4	224.9	8.5	95.4
977	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.2	220.0	7.5	95.4
978	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.2	215.6	5.8	95.4
979	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	0.0	215.6	4.1	95.4
980	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	138.2	0.0	95.4
981	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	72.2	1.3	95.4
982	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.3	235.2	2.8	95.4
983	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.6	235.9	8.2	95.4
984	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.5	229.4	9.5	95.4
985	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.1	191.4	8.2	95.4
986	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.2	210.7	7.3	95.4
987	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.2	229.6	5.6	95.4
988	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	0.0	197.4	4.1	95.4
989	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	102.7	0.1	95.4
990	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	83.1	0.9	95.4
991	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.3	232.8	2.4	95.4
992	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.6	237.3	8.0	95.4
993	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.4	228.2	9.2	95.4
994	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.4	220.2	8.1	95.4
995	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.3	224.3	7.1	95.4
996	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.1	213.1	5.2	95.4
997	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	0.0	202.8	3.7	95.4
998	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	115.5	0.0	95.4
999	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	96.0	0.7	95.4
1000	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.2	233.4	2.0	95.4
1001	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.4	239.8	7.2	95.4
1002	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.4	235.0	8.9	95.4
1003	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.5	230.8	8.1	95.4
1004	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.3	229.6	6.9	95.4
1005	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.2	222.5	5.2	95.4
1006	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	0.0	179.7	3.9	95.4
1007	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.1	108.6	0.1	95.4
1008	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	83.1	2.1	95.4
1009	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.3	233.6	3.7	95.4
1010	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.6	236.6	7.4	95.4
1011	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.5	234.6	8.5	95.4
1012	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.4	231.7	9.9	95.4
1013	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.3	232.4	9.7	95.4
1014	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.4	232.1	8.7	95.4
1015	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	-0.4	231.8	8.5	95.4
1016	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	-0.3	225.3	6.1	95.4
1017	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	226.2	4.9	95.4
1018	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.3	231.9	7.3	95.4
1019	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.4	231.9	7.3	95.4
1020	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.4	226.2	4.6	95.4
1021	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	212.1	4.6	95.4
1022	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	0.0	325.6	0.0	95.4
1023	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	0.0	87.5	1.7	95.4
1024	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	0.0	114.3	3.4	95.4
1025	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	0.1	234.5	3.4	95.4
1026	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	237.8	7.0	95.4
1027	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.6	237.8	7.0	95.4
1028	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.5	235.2	8.4	95.4
1029	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.4	235.2	8.4	95.4
1030	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.6	236.6	9.7	95.4
1031	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.4	233.8	8.5	95.4
1032	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.3	229.9	8.2	95.4
1033	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	0.0	226.7	8.2	95.4
1034	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	-0.3	228.5	6.9	95.4
1035	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	231.4	6.2	95.4
1036	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.2	227.1	4.9	95.4
1037	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.1	214.9	4.6	95.4
1038	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	0.0	192.4	2.0	95.4
1039	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.0	75.7	0.1	95.4
1040	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	0.3	82.9	1.6	95.4
1041	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	0.1	123.7	0.2	95.4
1042	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	-0.3	230.8	2.8	95.4
1043	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	-0.4	238.3	6.3	95.4
1044	NW 000e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	234.2	7.5	95.4
1045	NW 012e	0.125	0.125	0.125	0.0	0.0	0.125	0.125	-0.4	233.9	9.3	95.4
1046	NW 025e	0.25	0.25	0.25	0.0	0.0	0.25	0.25	-0.6	234.3	9.2	95.4
1047	NW 037e	0.375	0.375	0.375	0.0	0.0	0.375	0.375	-0.4	231.6	8.1	95.4
1048	NW 050e	0.5	0.5	0.5	0.0	0.0	0.5	0.5	-0.5	233.4	8.3	95.4
1049	NW 062e	0.625	0.625	0.625	0.0	0.0	0.625	0.625	-0.3	231.2	7.7	95.4
1050	NW 075e	0.75	0.75	0.75	0.0	0.0	0.75	0.75	-0.4	230.4	7.2	95.4
1051	NW 087e	0.875	0.875	0.875	0.0	0.0	0.875	0.875	-0.3	229.7	6.2	95.4
1052	NW 100e	1.0	1.0	1.0	0.0	0.0	1.0	1.0	-0.2	213.0	4.5	95.4

delta E* = 5.5

grafico TUB-PI85; cerchio delle tinte a 16 passi
colori e la differenza, ΔE*

Input: rgb/cmyk -> rgb
Output: trasferire a cmyk

iscrizione TUB: 20150701-PI85/PI85L0NP.PDF /PS
Application per la misura dell'output output nella stampa di offset, separazione cmyk6 (CMYK)

TUB materiale: code=rha4ta

vedi file simili: http://farbe.li.tu-berlin.de/PI85/PI85.HTM
informazioni tecniche: http://www.ps.bam.de o http://130.149.60.45/~farbmetrik

grafico TUB-PI85; cerchio delle tinte a 16 passi
colori e la differenza, ΔE^*

Input: *rgb/cmyk* -> *rgb_e*
Output: trasferire a *cmyke*

n	H1C*Fe	rgb*Fe	ic1*Fe	hs1*Fe	rgb*Fe	LabCh*Fe	hs1*Fe	LabCh*Fe	rgb*Fe	DF*Fe	hs1*Fe	rgb*Fe	LabCh*Fe
1053	NW_086e	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	0.866 0.866 0.866	89.4 -0.1 0.0	0.866 0.866 0.866	204.5 4.4 360	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866
1054	NW_093e	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	0.933 0.933 0.933	92.2 0.0 0.0	0.933 0.933 0.933	177.8 1.9 360	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933
1055	NW_100e	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	1.0 1.0 1.0	95.4 0.0 0.0	1.0 1.0 1.0	61.5 0.0 360	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
1056	NW_000e	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	18.7 0.0 0.1	0.0 0.0 0.0	96.3 0.0 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
1057	NW_006e	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	0.066 0.066 0.066	22.3 -0.1 0.0	0.066 0.066 0.066	151.6 0.5 360	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066
1058	NW_013e	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	0.133 0.133 0.133	30.4 -0.2 -0.5	0.133 0.133 0.133	242.3 2.4 360	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133
1059	NW_020e	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	0.2 0.2 0.2	36.9 -0.4 -0.8	0.2 0.2 0.2	240.2 7.2 360	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2
1060	NW_026e	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	0.266 0.266 0.266	45.6 -0.4 -0.7	0.266 0.266 0.266	235.2 7.8 360	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266
1061	NW_033e	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	0.333 0.333 0.333	51.9 -0.4 -0.6	0.333 0.333 0.333	234.3 8.6 360	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333
1062	NW_040e	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	0.4 0.4 0.4	57.3 -0.4 -0.7	0.4 0.4 0.4	231.6 7.7 360	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4
1063	NW_046e	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	0.466 0.466 0.466	61.7 -0.4 -0.6	0.466 0.466 0.466	235.2 7.8 360	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466
1064	NW_053e	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	0.533 0.533 0.533	67.0 -0.3 -0.5	0.533 0.533 0.533	233.5 7.3 360	0.533 0.533 0.533	0.533 0.533 0.533	0.533 0.533 0.533
1065	NW_060e	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	0.6 0.6 0.6	72.1 -0.3 -0.4	0.6 0.6 0.6	225.3 6.1 360	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6
1066	NW_066e	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	0.666 0.666 0.666	76.7 -0.3 -0.4	0.666 0.666 0.666	221.2 4.9 360	0.666 0.666 0.666	0.666 0.666 0.666	0.666 0.666 0.666
1067	NW_073e	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	0.734 0.734 0.734	80.9 -0.2 -0.2	0.734 0.734 0.734	220.3 4.3 360	0.734 0.734 0.734	0.734 0.734 0.734	0.734 0.734 0.734
1068	NW_080e	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	0.8 0.8 0.8	84.8 -0.2 -0.1	0.8 0.8 0.8	215.8 3.6 360	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8
1069	NW_086e	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	0.866 0.866 0.866	89.3 -0.1 0.0	0.866 0.866 0.866	212.2 4.3 360	0.866 0.866 0.866	0.866 0.866 0.866	0.866 0.866 0.866
1070	NW_093e	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	0.933 0.933 0.933	92.2 0.0 0.0	0.933 0.933 0.933	125.8 2.0 360	0.933 0.933 0.933	0.933 0.933 0.933	0.933 0.933 0.933
1071	NW_100e	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	1.0 1.0 1.0	95.5 0.0 0.0	1.0 1.0 1.0	92.4 0.0 360	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
1072	NW_000e	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	20.0 0.1 0.5	0.0 0.0 0.0	78.4 2.3 360	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
1073	NW_006e	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	0.066 0.066 0.066	22.3 -0.1 0.1	0.066 0.066 0.066	151.6 0.5 360	0.066 0.066 0.066	0.066 0.066 0.066	0.066 0.066 0.066
1074	NW_013e	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	0.133 0.133 0.133	30.4 -0.2 -0.5	0.133 0.133 0.133	242.3 2.4 360	0.133 0.133 0.133	0.133 0.133 0.133	0.133 0.133 0.133
1075	NW_020e	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	0.2 0.2 0.2	36.9 -0.4 -0.8	0.2 0.2 0.2	240.2 7.2 360	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2
1076	NW_026e	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	0.266 0.266 0.266	45.6 -0.4 -0.7	0.266 0.266 0.266	235.2 7.8 360	0.266 0.266 0.266	0.266 0.266 0.266	0.266 0.266 0.266
1077	NW_033e	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	0.333 0.333 0.333	51.9 -0.4 -0.6	0.333 0.333 0.333	234.3 8.6 360	0.333 0.333 0.333	0.333 0.333 0.333	0.333 0.333 0.333
1078	NW_040e	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	0.4 0.4 0.4	57.3 -0.4 -0.7	0.4 0.4 0.4	231.6 7.7 360	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4
1079	NW_046e	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	0.466 0.466 0.466	61.7 -0.4 -0.6	0.466 0.466 0.466	235.2 7.8 360	0.466 0.466 0.466	0.466 0.466 0.466	0.466 0.466 0.466

PI850-7N, 33/33-F

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