

Input and Output: Offset Reflective System ORS18a

Data for any device (d) or elementary (e) colour:

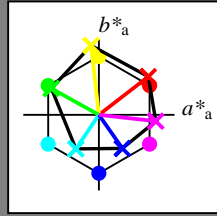
$HIC^*_-$

hue text for the colours of this page:

$H^*_-$  = R00Y\_, R25Y\_, ..., B75R\_

ORS20a; adapted (a) CIELAB data

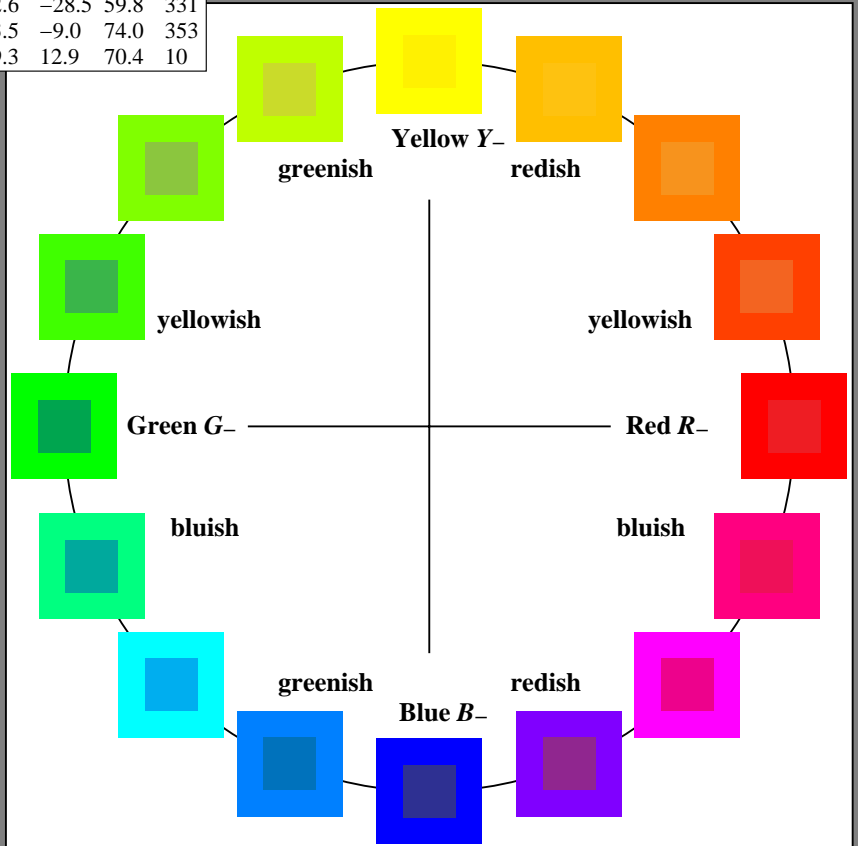
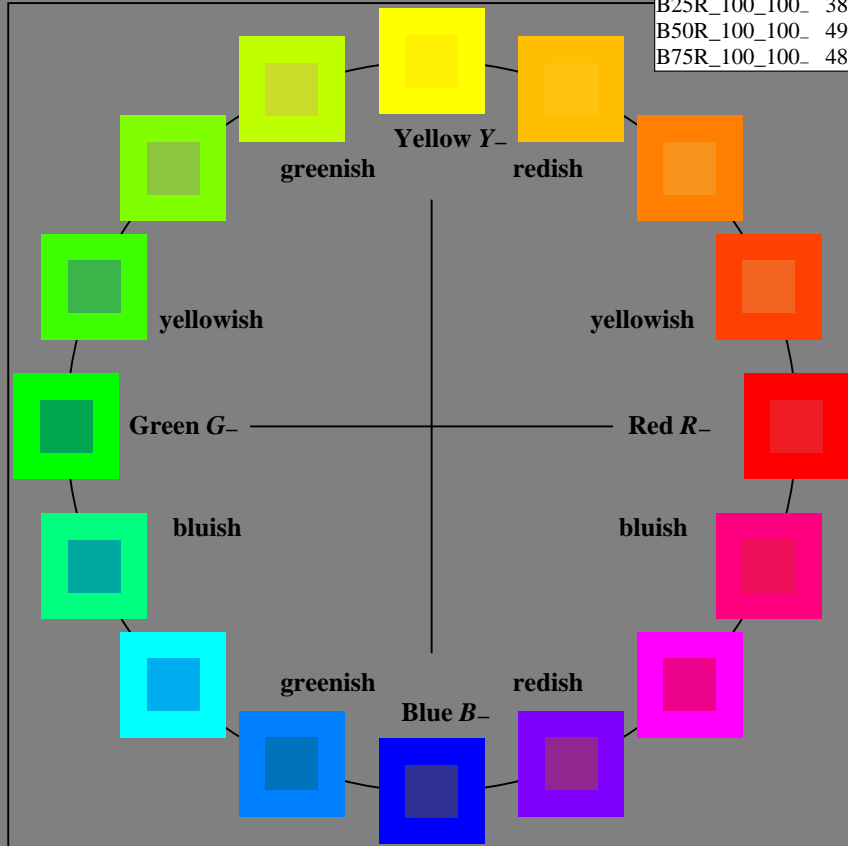
$H^*_-$	$L^*=L^*_a a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3
R25Y_100_100_	56.8	48.0	50.5	69.6
R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-31.7	62.7	70.2
Y75G_100_100_	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



%Gamut  
 $u^*_{rel} = 92$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

ORS18a; adapted (a) CIELAB data

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



see similar files: <http://130.149.60.45/~farbmetrik/SE03/SE03.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE03/SE03L0NP.PDF /.PS  
 application for measurement of offset print output

TUB material: code=rh4ta



TUB-test chart SE03; 16 hues, offset standard paper APCO  
 Test chart according to DIN 33872

input: *rgb/cmyk* -> *rgb/cmyk*  
 output: no change



Input and Output: Offset Reflective System ORS18a

Data for any device (d) or elementary (e) colour:

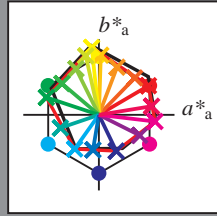
$HIC^*_d$

hue text for the colours of this page:

$H^*_d = R00Y_d, R25Y_d, \dots, B75R_d$

ORS20a; adapted (a) CIELAB data

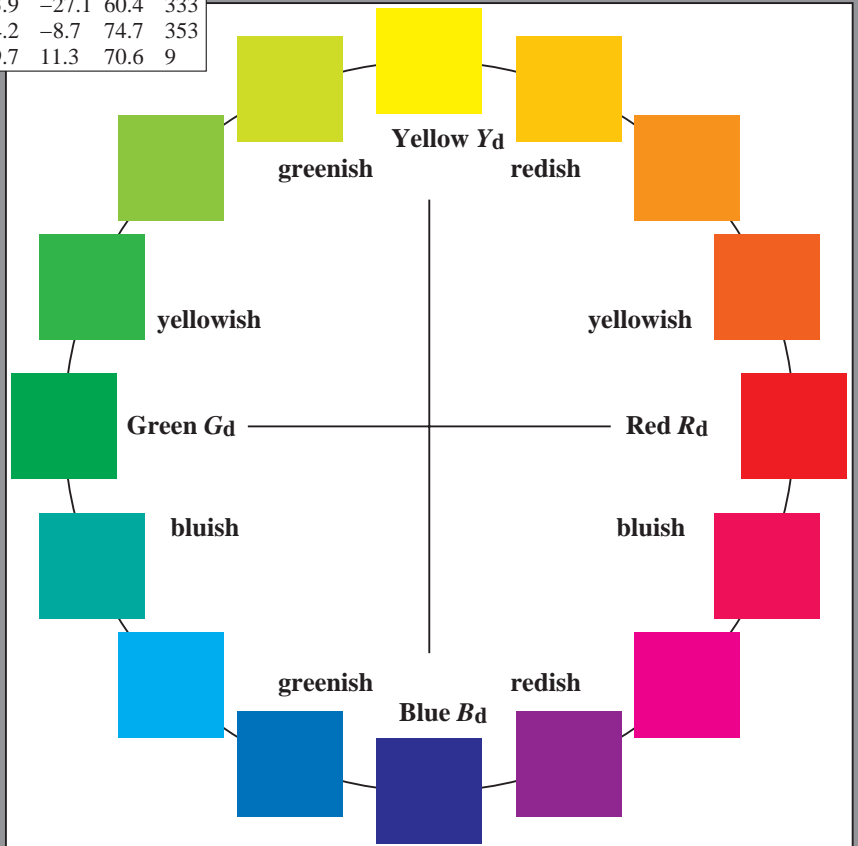
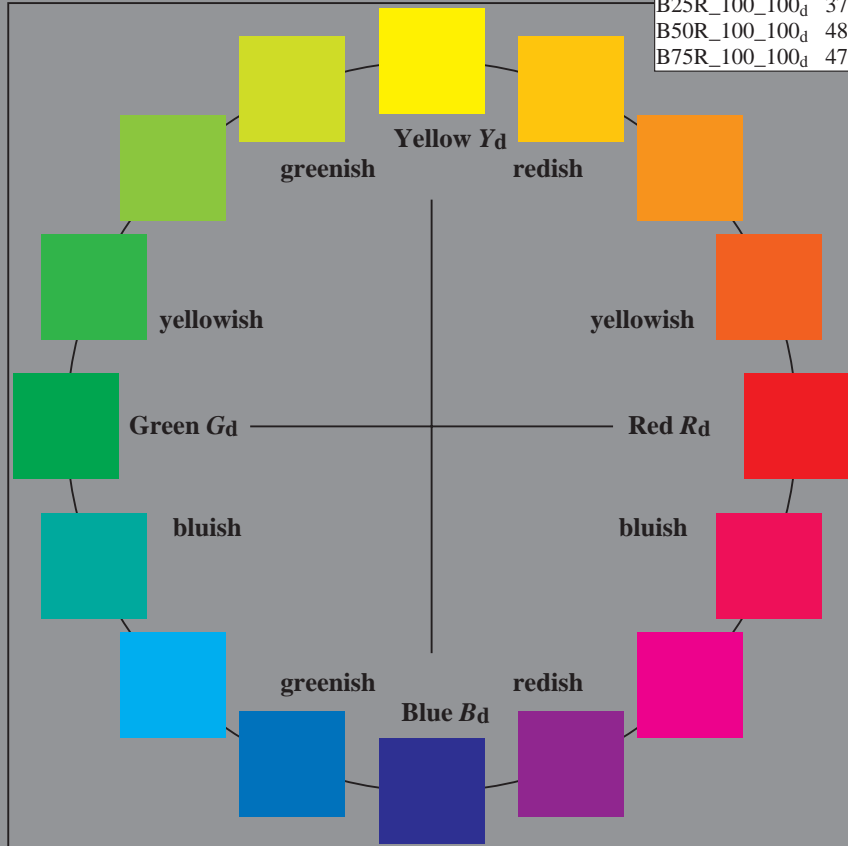
$H^*_d$	$L^*=L^*_a a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_d	47.5	65.5	38.4	76.0
R25Y_100_100_d	55.9	47.3	48.7	67.9
R50Y_100_100_d	68.1	24.0	63.0	67.4
R75Y_100_100_d	81.2	2.5	78.8	78.9
Y00G_100_100_d	89.4	-9.5	89.0	89.6
Y25G_100_100_d	84.1	-17.3	77.9	79.8
Y50G_100_100_d	73.1	-30.2	60.8	67.9
Y75G_100_100_d	60.3	-48.7	41.3	63.9
G00B_100_100_d	51.6	-69.3	23.0	73.1
G25B_100_100_d	54.6	-50.8	-17.3	53.7
G50B_100_100_d	57.8	-31.9	-45.1	55.3
G75B_100_100_d	42.3	-7.7	-46.3	46.9
B00R_100_100_d	24.9	22.9	-47.8	53.0
B25R_100_100_d	37.0	53.9	-27.1	60.4
B50R_100_100_d	48.2	74.2	-8.7	74.7
B75R_100_100_d	47.8	69.7	11.3	70.6



%Gamut  
 $u^*_{rel} = 92$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

Name	$L^*=L^*_a a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>d, Ma</sub>	47.5	65.5	38.4	76.0
Y <sub>d, Ma</sub>	89.4	-9.5	89.0	89.6
G <sub>d, Ma</sub>	51.6	-69.3	23.0	73.1
C <sub>d, Ma</sub>	57.8	-31.9	-45.1	55.3
B <sub>d, Ma</sub>	24.9	22.9	-47.8	53.0
M <sub>d, Ma</sub>	48.2	74.2	-8.7	74.7
N <sub>d, Ma</sub>	18.5	0.0	0.0	0
W <sub>d, Ma</sub>	96.3	0.0	0.0	0
R <sub>d, CIE</sub>	39.9	58.7	27.9	65.0
Y <sub>d, CIE</sub>	81.2	-2.8	71.5	71.6
G <sub>d, CIE</sub>	52.2	-42.4	13.6	44.5
B <sub>d, CIE</sub>	30.5	1.4	-46.4	46.4



see similar files: http://130.149.60.45/~farbmetrik/SE03/SE03.HTM  
technical information: http://www.ps.bam.de or http://130.149.60.45/~farbmetrik

TUB registration: 20130201-SE03/SE03L0NP.PDF /.PS  
application for measurement of offset print output, separationcyan6 (CMYK)  
TUB material: code=rh4ta



I-003130-L0 SE030-70  
 TUB-test chart SE03; 16 hues, offset standard paper APCO  
 Test chart according to DIN 33872, 3D=0, de=0, cmyk

input:  $rgb/cmyk \rightarrow rgb_d$   
 output: transfer to  $cmyk_d$



Input and Output: Offset Reflective System ORS18a

Data for any device (d) or elementary (e) colour:

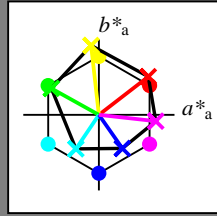
$HIC^*_-$

hue text for the colours of this page:

$H^*_-$  = R00Y\_, R25Y\_, ..., B75R\_

ORS20a; adapted (a) CIELAB data

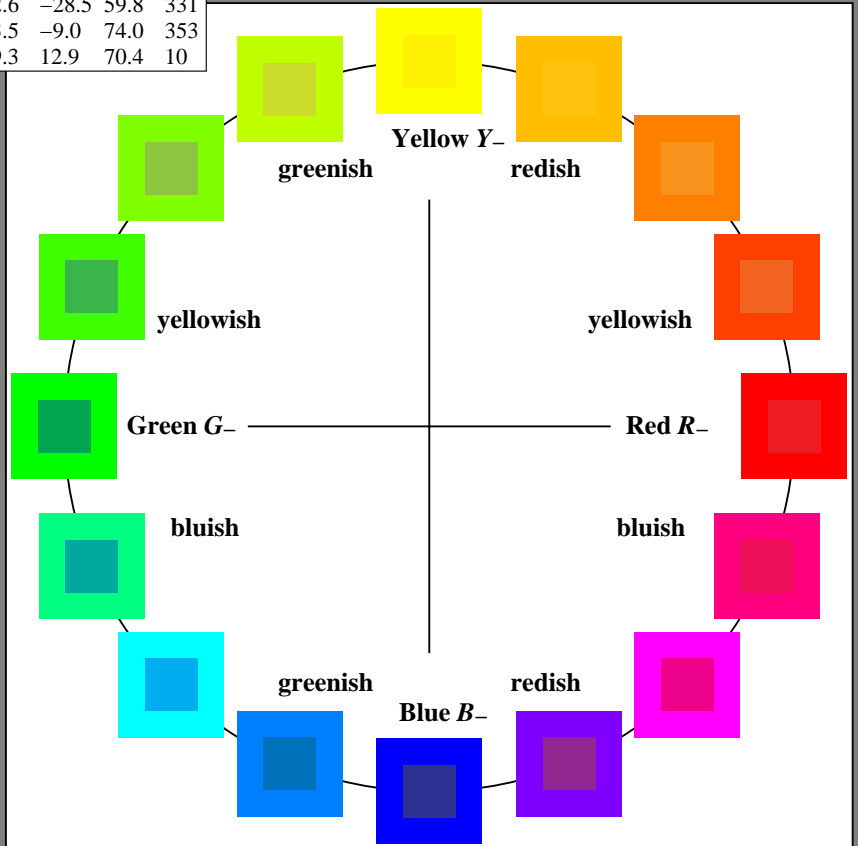
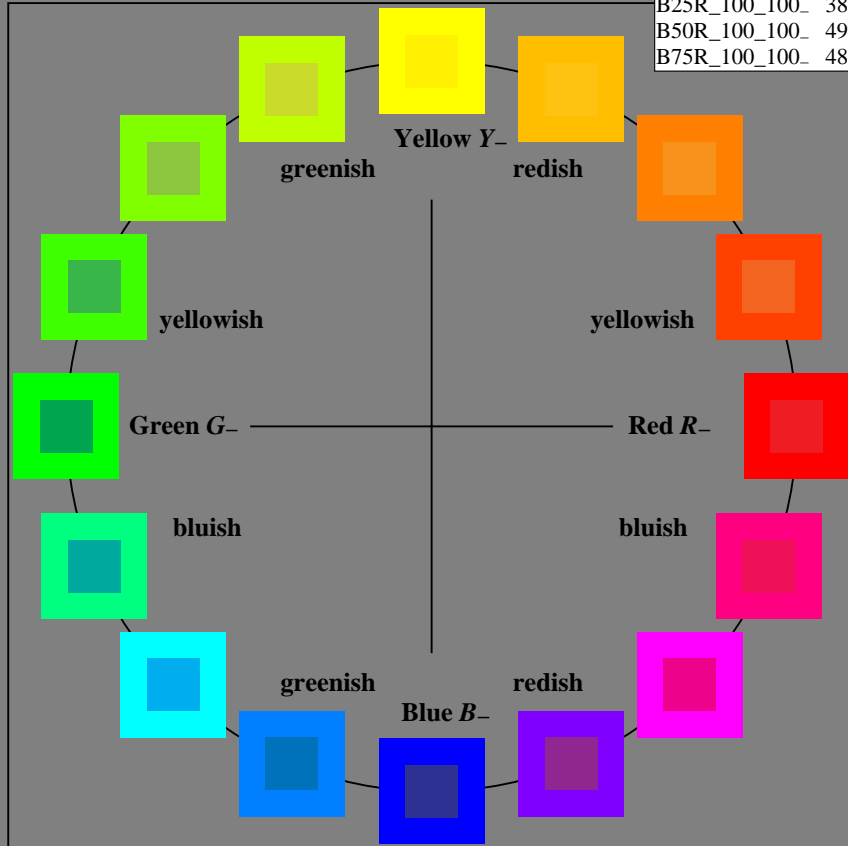
$H^*_-$	$L^*=L^*_a a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_	48.4	66.1	40.2	77.3
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R50Y_100_100_	68.6	25.0	63.9	68.6
R75Y_100_100_	80.6	4.8	77.2	77.3
Y00G_100_100_	90.2	-9.6	88.2	88.7
Y25G_100_100_	83.2	-18.4	79.9	81.9
Y50G_100_100_	73.3	-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



%Gamut  
 $u^*_{rel} = 92$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

ORS18a; adapted (a) CIELAB data

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



see similar files: <http://130.149.60.45/~farbmetrik/SE03/SE03.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE03/SE03L0NP.PDF /.PS  
 application for measurement of offset print output

TUB material: code=rh4ta



TUB-test chart SE03; 16 hues, offset standard paper APCO  
 Test chart according to DIN 33872

input: *rgb/cmyk* -> *rgb/cmyk*  
 output: no change



Input and Output: Offset Reflective System ORS18a

Data for any device (d) or elementary (e) colour:

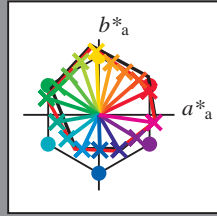
$HIC^*_e$

hue text for the colours of this page:

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

ORS20a; adapted (a) CIELAB data

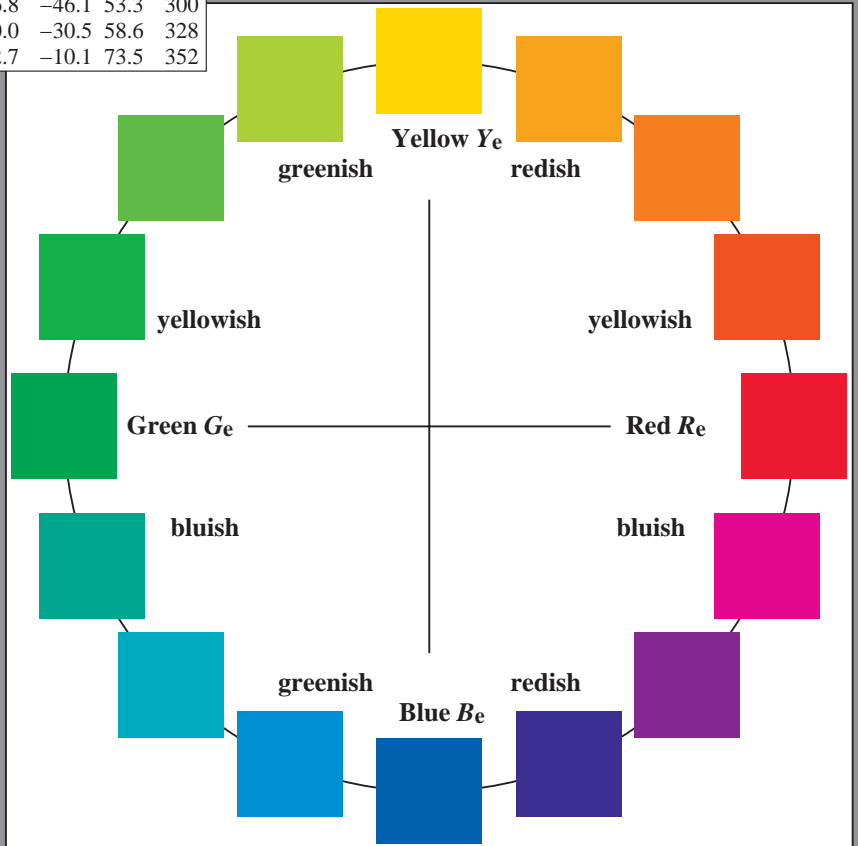
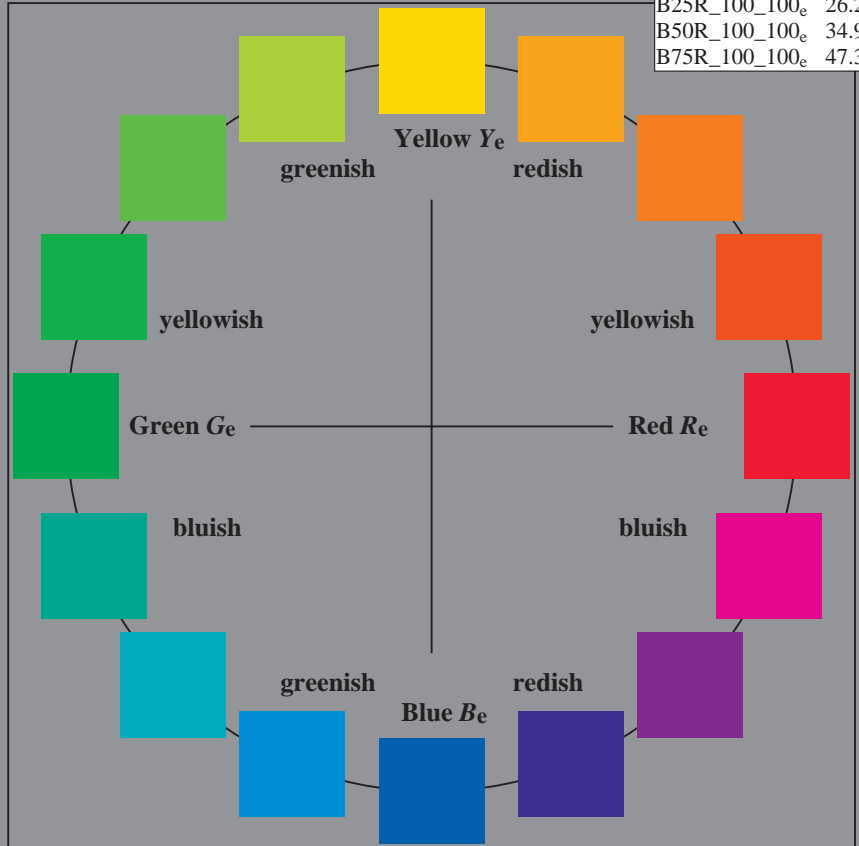
$H^*_e$	$L^*=L^*_a a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R00Y_100_100_e	47.6	66.3	31.6	73.4
R25Y_100_100_e	53.4	52.6	45.8	69.7
R50Y_100_100_e	62.5	34.1	56.6	66.1
R75Y_100_100_e	72.7	16.2	69.0	70.9
Y00G_100_100_e	85.1	-3.3	83.7	83.7
Y25G_100_100_e	77.6	-23.7	70.5	74.4
Y50G_100_100_e	67.2	-38.9	51.1	64.2
Y75G_100_100_e	57.9	-53.6	36.3	64.8
G00B_100_100_e	51.7	-69.1	22.1	72.6
G25B_100_100_e	54.0	-55.4	-9.3	56.2
G50B_100_100_e	56.3	-41.9	-31.5	52.4
G75B_100_100_e	51.1	-21.9	-45.6	50.6
B00R_100_100_e	36.7	1.4	-46.6	46.6
B25R_100_100_e	26.2	26.8	-46.1	53.3
B50R_100_100_e	34.9	50.0	-30.5	58.6
B75R_100_100_e	47.3	72.7	-10.1	73.5



%Gamut  
 $u^*_{rel} = 92$   
 %Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

ORS20a; adapted (a) CIELAB data

Name	$L^*=L^*_a a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
$R_{e, Ma}$	47.6	66.3	31.6	73.4
$Y_{e, Ma}$	85.1	-3.3	83.7	83.7
$G_{e, Ma}$	51.7	-69.1	22.1	72.6
$C_{e, Ma}$	56.3	-41.9	-31.5	52.4
$B_{e, Ma}$	36.7	1.4	-46.6	46.6
$M_{e, Ma}$	34.9	50.0	-30.5	58.6
$N_{e, Ma}$	18.5	0.0	0.0	0
$W_{e, Ma}$	96.3	0.0	0.0	0
$R_{e, CIE}$	39.9	58.7	27.9	65.0
$Y_{e, CIE}$	81.2	-2.8	71.5	71.6
$G_{e, CIE}$	52.2	-42.4	13.6	44.5
$B_{e, CIE}$	30.5	1.4	-46.4	46.4



see similar files: <http://130.149.60.45/~farbmetrik/SE03/SE03.HTM>  
 technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-SE03/SE03L0NP.PDF / .PS  
 application for measurement of offset print output, separationcmyk6 (CMYK)  
 TUB material: code=rh4ta



I-013130-L0 SE030-71  
 TUB-test chart SE03; 16 hues, offset standard paper APCO  
 Test chart according to DIN 33872, 3D=0, de=1, cmyk

input:  $rgb/cmyk \rightarrow rgb_e$   
 output: transfer to  $cmyk_e$

