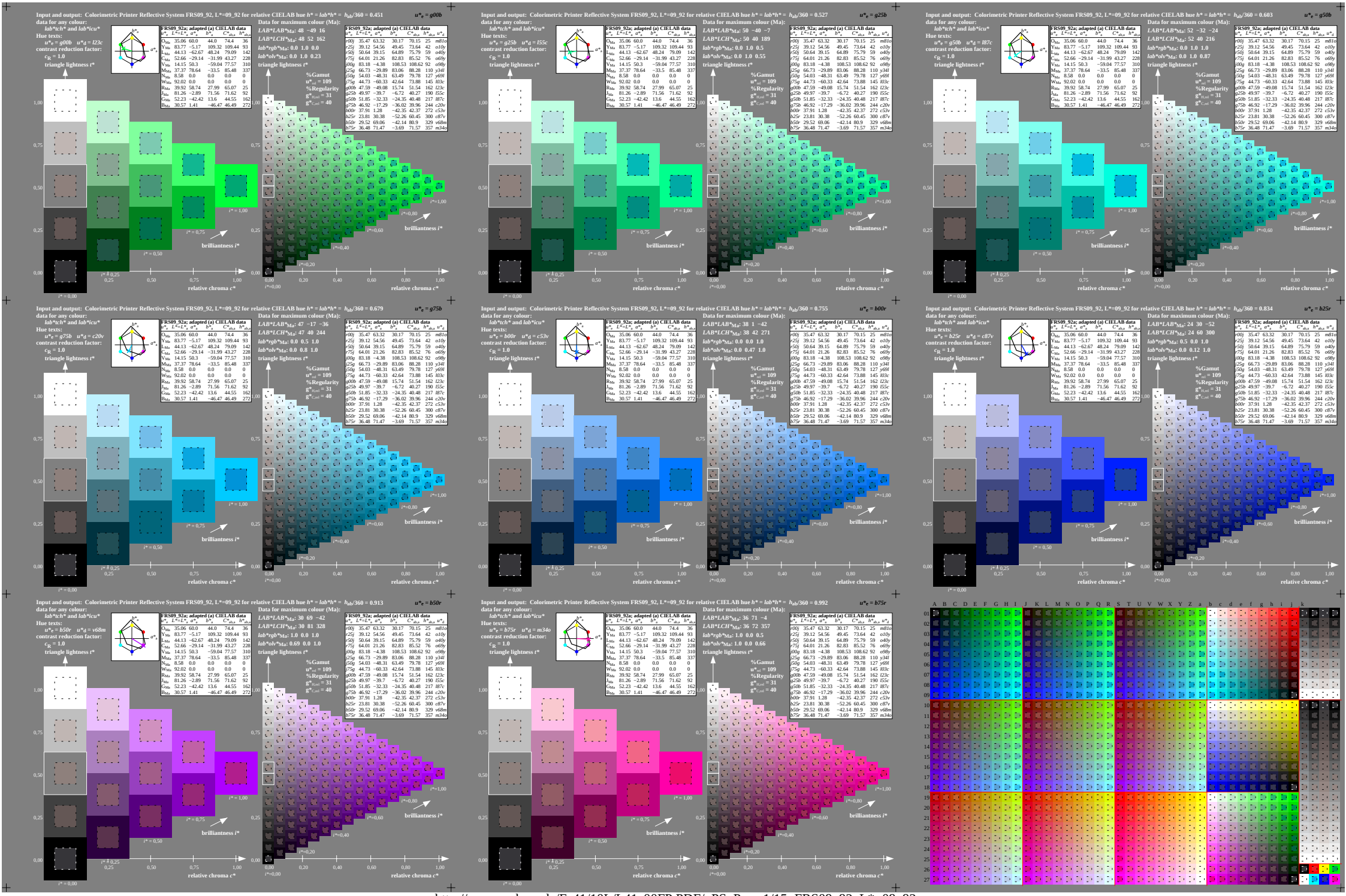
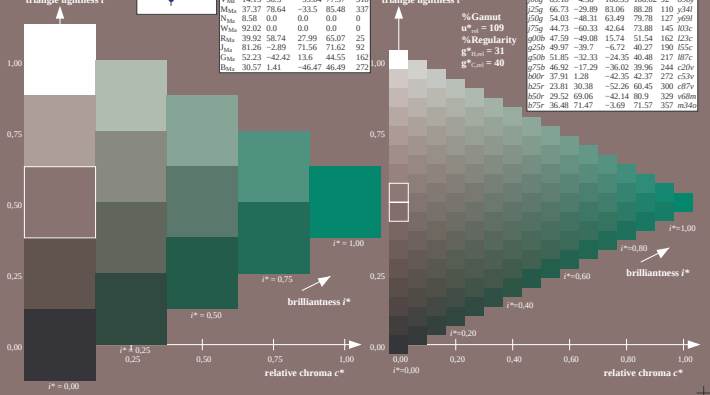

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*e = g00b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*e = g25b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*e = g50b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*e = g75b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*e = b00r
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*e = b25r
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*e = b50r
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*e = b75r
relative chroma c*
brilliantness i*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$ $u^*_e = g00b$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 −49 16
$LAB^*LCH^*_{Ma}$: 48 52 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.23
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

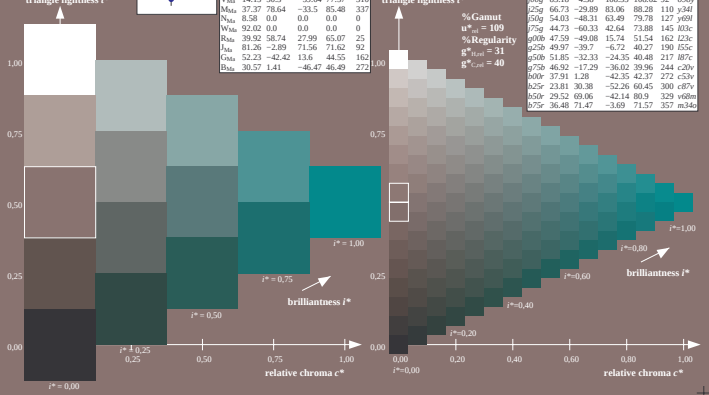


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_e = g25b$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −40 −7
$LAB^*LCH^*_{Ma}$: 50 40 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.55
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

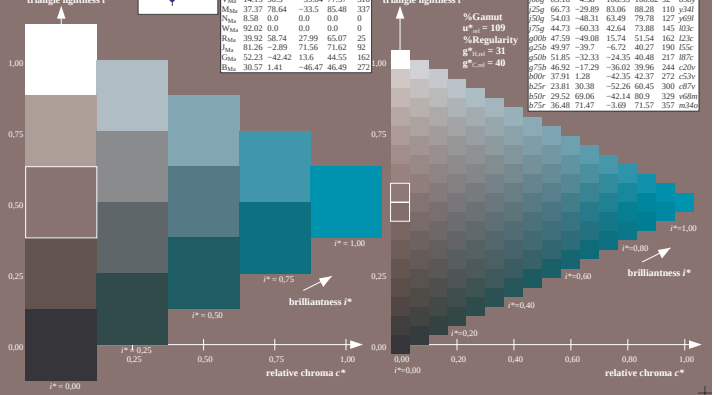


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_e = g50b$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 52 −32 −24
$LAB^*LCH^*_{Ma}$: 52 40 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.87
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

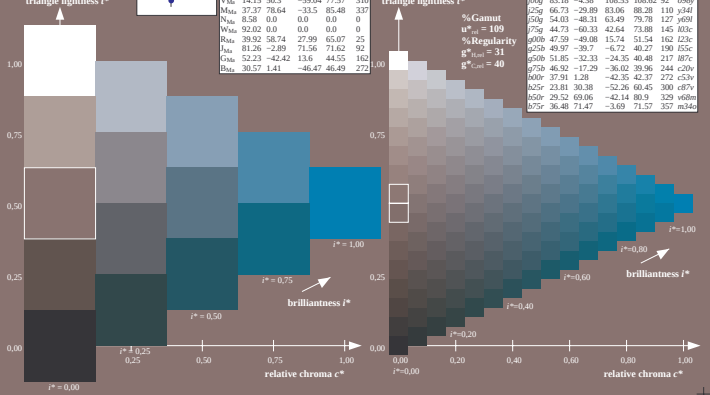


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_e = g75b$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 −17 −36
$LAB^*LCH^*_{Ma}$: 47 40 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

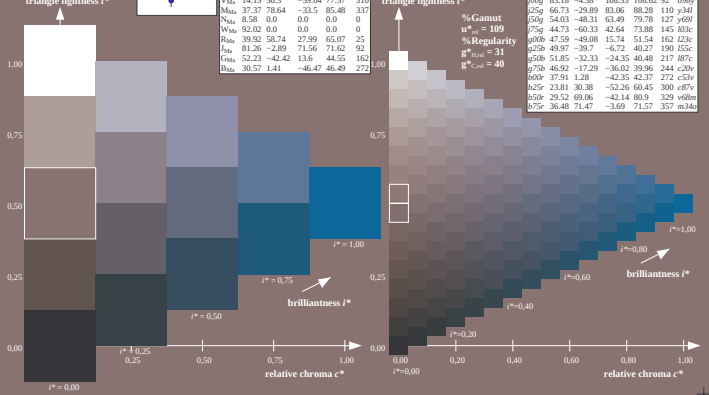


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_e = b00r$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 1 −42
$LAB^*LCH^*_{Ma}$: 38 42 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.47 1.0
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

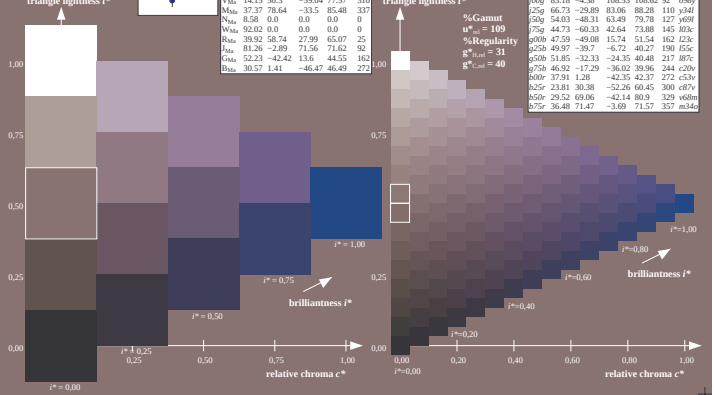


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_e = b25r$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = b25r$ $u^*_d = c87v$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 24 30 −52
$LAB^*LCH^*_{Ma}$: 24 60 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.12 1.0
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

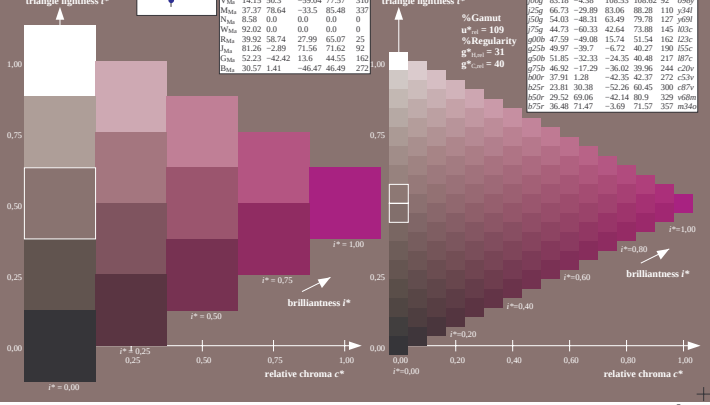


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_e = b50r$

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 30 69 −42
$LAB^*LCH^*_{Ma}$: 30 81 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.69 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

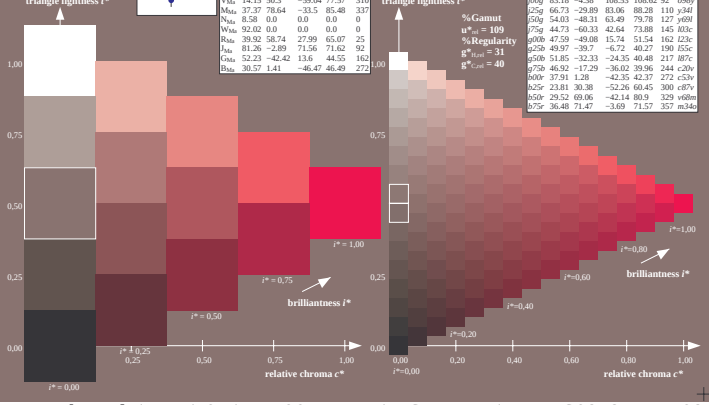


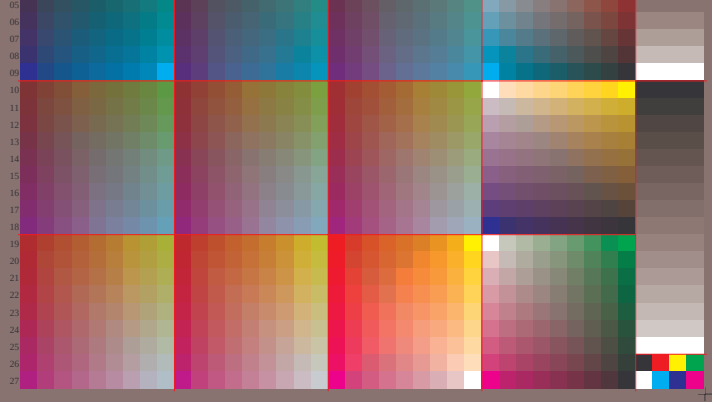
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_e = b75r$

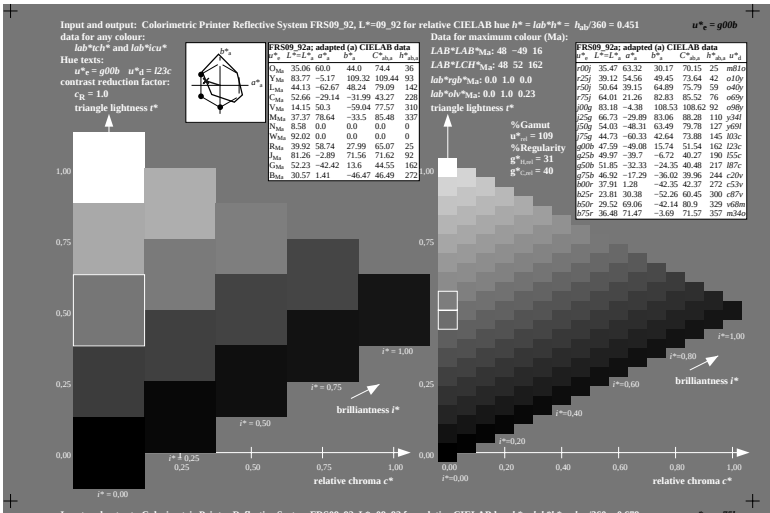
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$
Hue texts: $u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

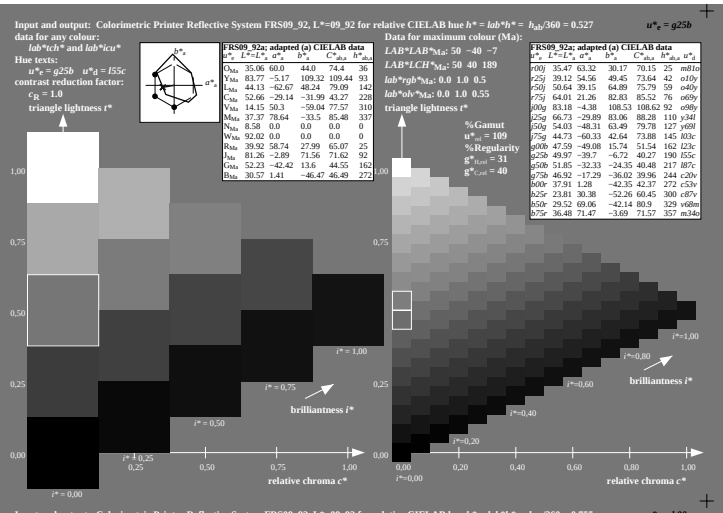
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 71 −4
$LAB^*LCH^*_{Ma}$: 36 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness t^*

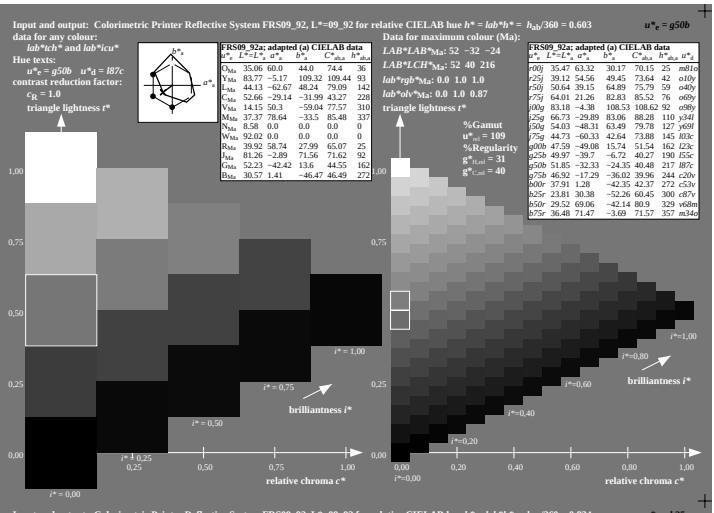
%Gamut $u^*_{rel} = 109$
%Regularity $g^*_{Lab} = 31$
$g^*_{C,h0} = 40$

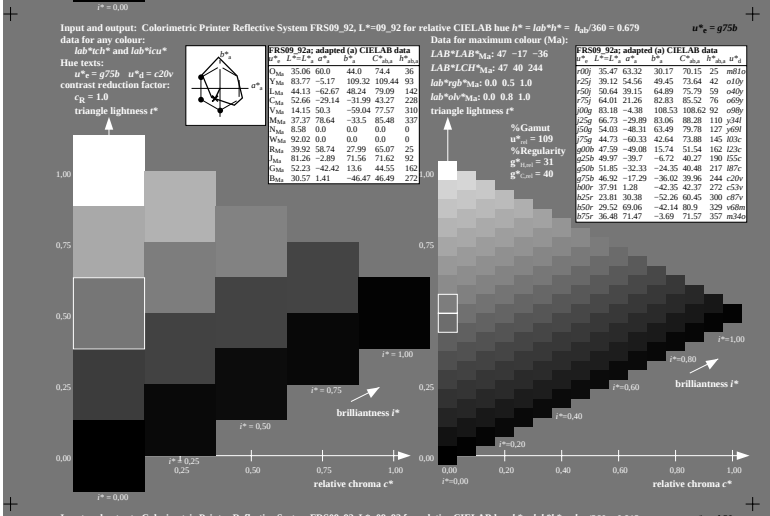


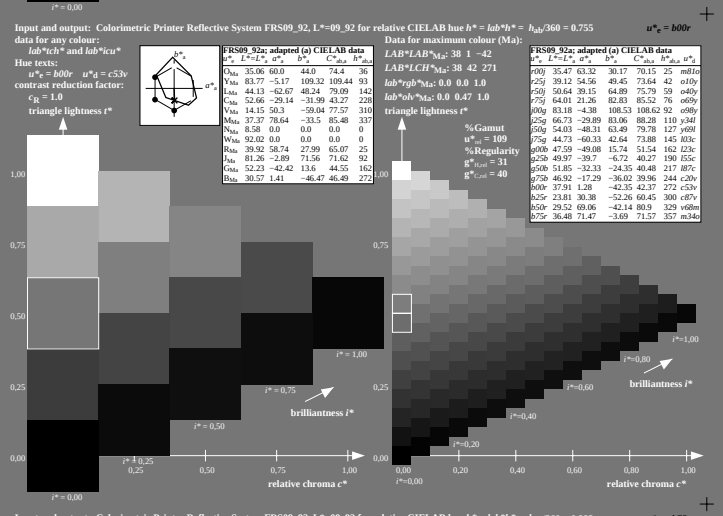


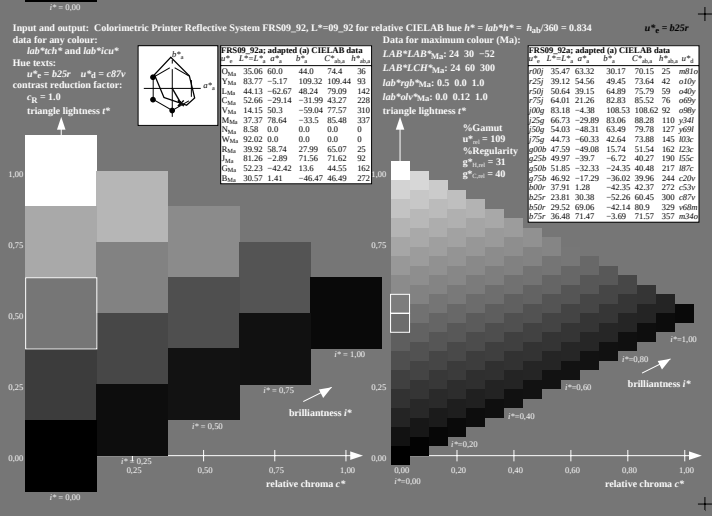

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*e = g00b
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = g00b u*d = l23c
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 −49 16
LAB*LCH*Ma: 48 52 162
lab*rgb*Ma: 0.0 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.23
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*

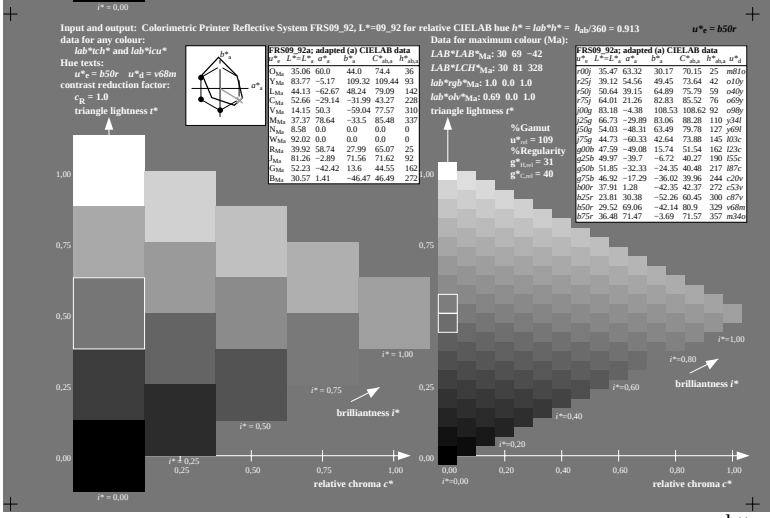

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*e = g25b
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = g25b u*d = l55c
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 50 −40 −7
LAB*LCH*Ma: 50 40 189
lab*rgb*Ma: 0.0 1.0 0.5
lab*olv*Ma: 0.0 1.0 0.55
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*

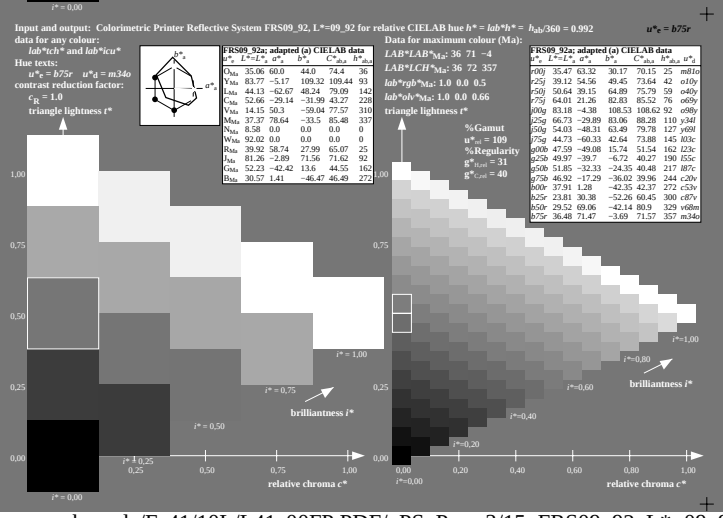

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*e = g50b
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = g50b u*d = l87c
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 52 −32 −24
LAB*LCH*Ma: 52 40 216
lab*rgb*Ma: 0.0 1.0 1.0
lab*olv*Ma: 0.0 1.0 0.87
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*

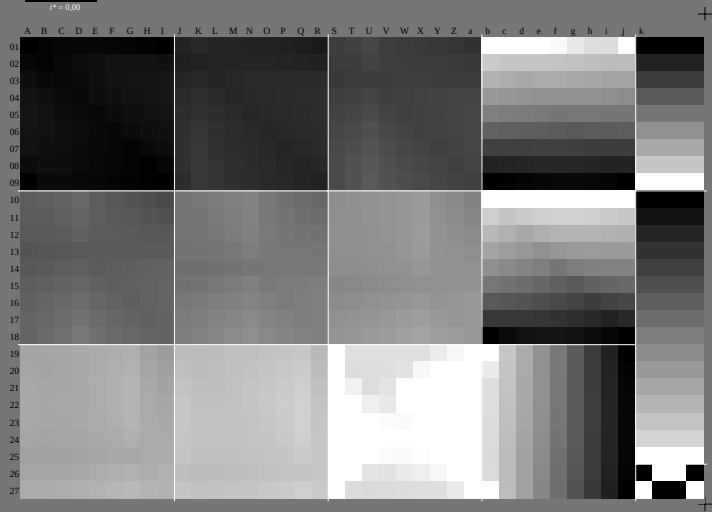

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*e = g75b
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = g75b u*d = c20v
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 47 −17 −36
LAB*LCH*Ma: 47 40 244
lab*rgb*Ma: 0.0 0.5 1.0
lab*olv*Ma: 0.0 0.8 1.0
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*

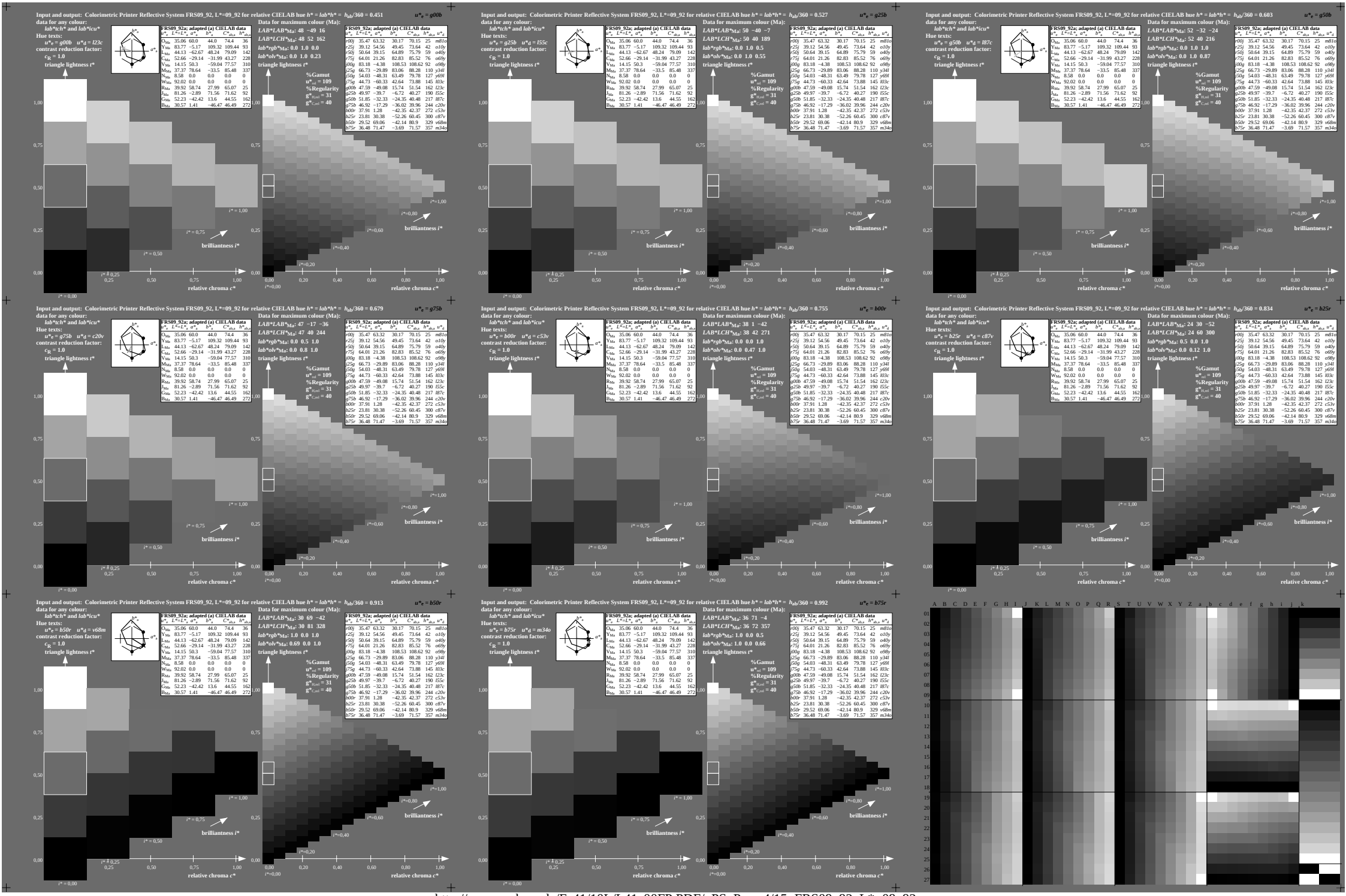

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*e = b00r
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = b00r u*d = c53v
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 1 −42
LAB*LCH*Ma: 38 42 271
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.47 1.0
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*

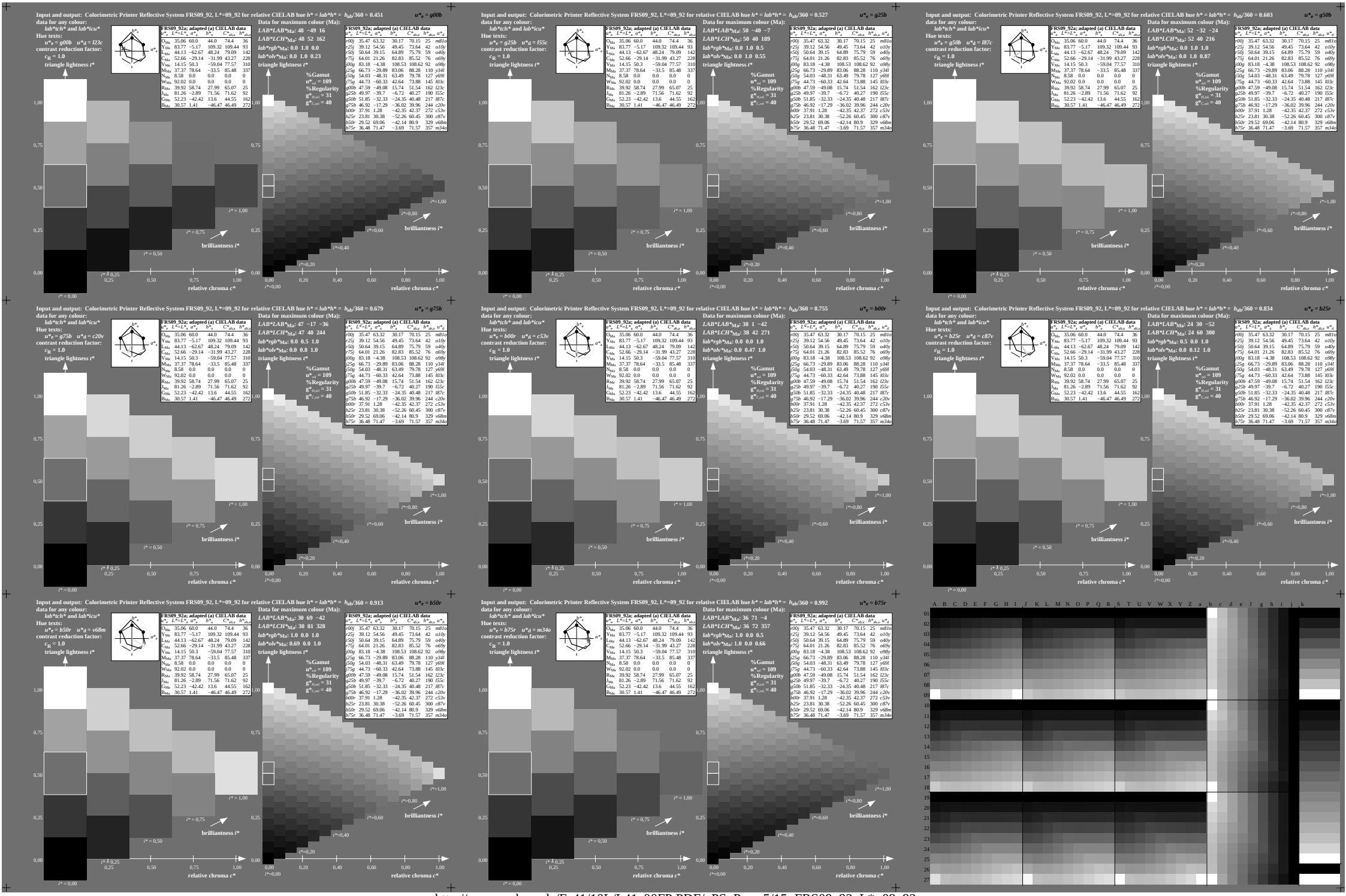

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*e = b25r
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = b25r u*d = c87v
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 24 30 −52
LAB*LCH*Ma: 24 60 300
lab*rgb*Ma: 0.5 0.0 1.0
lab*olv*Ma: 0.0 0.12 1.0
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*

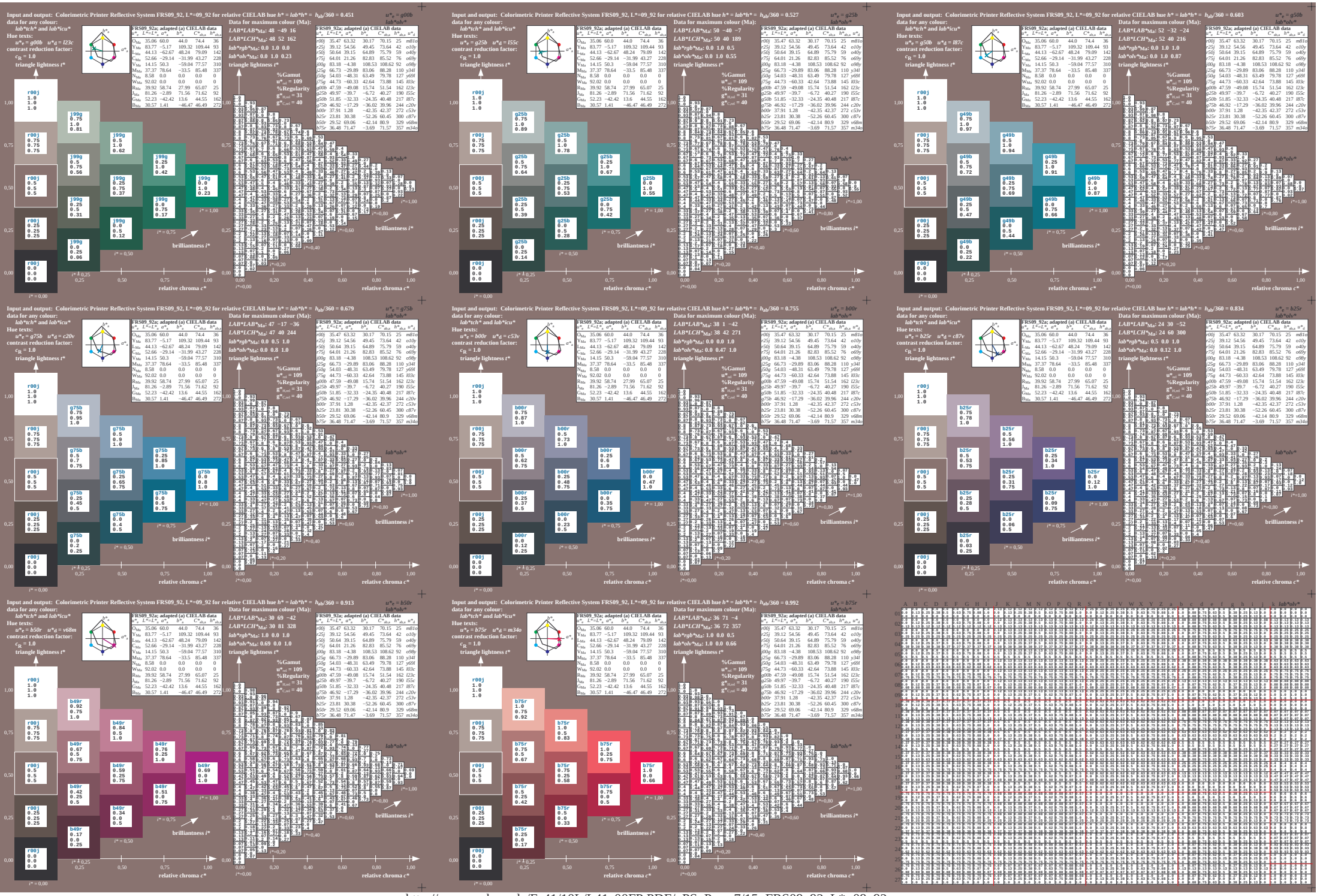

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*e = b50r
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = b50r u*d = v68m
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 30 69 −42
LAB*LCH*Ma: 30 81 328
lab*rgb*Ma: 1.0 0.0 1.0
lab*olv*Ma: 0.69 0.0 1.0
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*e = b75r
data for any colour:
lab*c/h* and lab*/cu*
Hue texts:
u*e = b75r u*d = m34o
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 36 71 −4
LAB*LCH*Ma: 36 72 357
lab*rgb*Ma: 1.0 0.0 0.5
lab*olv*Ma: 1.0 0.0 0.66
%Gamut u*rel = 109
%Regularity g*RGB = 31 g*C,rel = 40
brilliantness i*
relative chroma c*




Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451 u*e = g00b
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = g00b u*d = l23c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 48 −49 16 LAB*LCH*Ma: 48 52 162 lab*rgb*Ma: 0.0 1.0 0.0 lab*olv*Ma: 0.0 1.0 0.23
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527 u*e = g25b
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = g25b u*d = l55c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 50 −40 −7 LAB*LCH*Ma: 50 40 189 lab*rgb*Ma: 0.0 1.0 0.5 lab*olv*Ma: 0.0 1.0 0.55
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603 u*e = g50b
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = g50b u*d = l87c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 52 −32 −24 LAB*LCH*Ma: 52 40 216 lab*rgb*Ma: 0.0 1.0 1.0 lab*olv*Ma: 0.0 1.0 0.87
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679 u*e = g75b
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = g75b u*d = c20v
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 47 −17 −36 LAB*LCH*Ma: 47 40 244 lab*rgb*Ma: 0.0 0.5 1.0 lab*olv*Ma: 0.0 0.8 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755 u*e = b00r
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = b00r u*d = c53v
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 38 1 −42 LAB*LCH*Ma: 38 42 271 lab*rgb*Ma: 0.0 0.0 1.0 lab*olv*Ma: 0.0 0.47 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834 u*e = b25r
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = b25r u*d = c87v
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 24 30 −52 LAB*LCH*Ma: 24 60 300 lab*rgb*Ma: 0.5 0.0 1.0 lab*olv*Ma: 0.0 0.12 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913 u*e = b50r
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = b50r u*d = v68m
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 30 69 −42 LAB*LCH*Ma: 30 81 328 lab*rgb*Ma: 1.0 0.0 1.0 lab*olv*Ma: 0.69 0.0 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992 u*e = b75r
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = b75r u*d = m34o
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 36 71 −4 LAB*LCH*Ma: 36 72 357 lab*rgb*Ma: 1.0 0.0 0.5 lab*olv*Ma: 1.0 0.0 0.66
FRS09_92a; adapted (a) CIELAB data
%Gamut u*ref = 109
%Regularity g*Rref = 31 g*Cref = 40
triangle lightness t*
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451 u*e = g00b
data for any colour: lab*c/h* and lab*/cu*
Hue texts: u*e = g00b u*d = l23c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 48 −49 16 LAB*LCH*Ma: 48 52 162 lab*rgb*Ma: 0.0 1.0 0.0 lab*olv*Ma: 0.0 1.0 0.23
%Gamut u*rel = 109 %Regularity g*Rel = 31 g*C,rel = 40
triangle lightness t*
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527 u*e = g25b
Data for maximum colour (Ma): LAB*LAB*Ma: 50 −40 −7 LAB*LCH*Ma: 50 40 189 lab*rgb*Ma: 0.0 1.0 0.5 lab*olv*Ma: 0.0 1.0 0.55
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603 u*e = g50b
Data for maximum colour (Ma): LAB*LAB*Ma: 52 −32 −24 LAB*LCH*Ma: 52 40 216 lab*rgb*Ma: 0.0 1.0 1.0 lab*olv*Ma: 0.0 1.0 0.87
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679 u*e = g75b
Data for maximum colour (Ma): LAB*LAB*Ma: 47 −17 −36 LAB*LCH*Ma: 47 40 244 lab*rgb*Ma: 0.0 0.5 1.0 lab*olv*Ma: 0.0 0.8 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755 u*e = b00r
Data for maximum colour (Ma): LAB*LAB*Ma: 38 1 −42 LAB*LCH*Ma: 38 42 271 lab*rgb*Ma: 0.0 0.0 1.0 lab*olv*Ma: 0.0 0.47 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834 u*e = b25r
Data for maximum colour (Ma): LAB*LAB*Ma: 24 30 −52 LAB*LCH*Ma: 24 60 300 lab*rgb*Ma: 0.5 0.0 1.0 lab*olv*Ma: 0.0 0.12 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913 u*e = b50r
Data for maximum colour (Ma): LAB*LAB*Ma: 30 69 −42 LAB*LCH*Ma: 30 81 328 lab*rgb*Ma: 1.0 0.0 1.0 lab*olv*Ma: 0.69 0.0 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992 u*e = b75r
Data for maximum colour (Ma): LAB*LAB*Ma: 36 71 −4 LAB*LCH*Ma: 36 72 357 lab*rgb*Ma: 1.0 0.0 0.5 lab*olv*Ma: 1.0 0.0 0.66


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*e = g00b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*e = g25b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*e = g50b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*e = g75b
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*e = b00r
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*e = b25r
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*e = b50r
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*e = b75r
data for any colour:
lab*h* and lab*cu*
Hue texts:
contrast reduction factor:
triangle lightness t*
Data for maximum colour (Ma):
%Gamut
%Regularity
relative chroma c*
brilliantness i*
lab*olv*

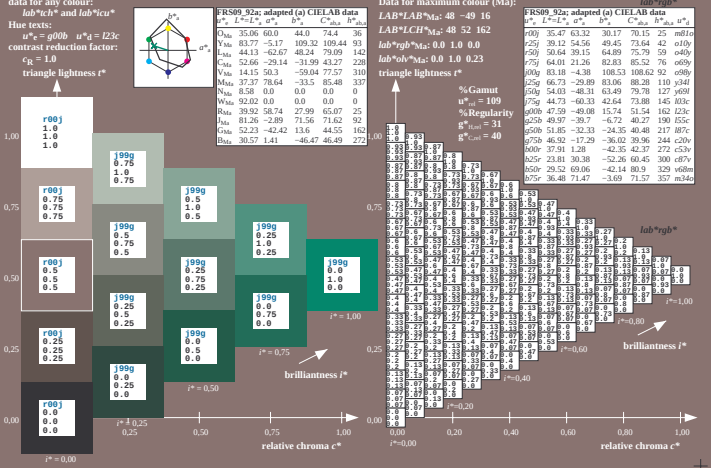
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_e = g00b$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = g00b$ $u^*_d = I23c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 −49 16 $LAB^*LCH^*_{Ma}$: 48 52 162 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.23



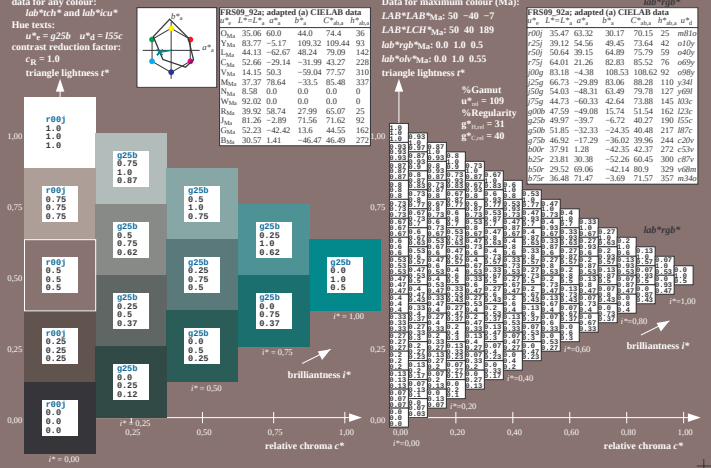
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_e = g25b$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = g25b$ $u^*_d = I55c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 −40 −7 $LAB^*LCH^*_{Ma}$: 50 40 189 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55



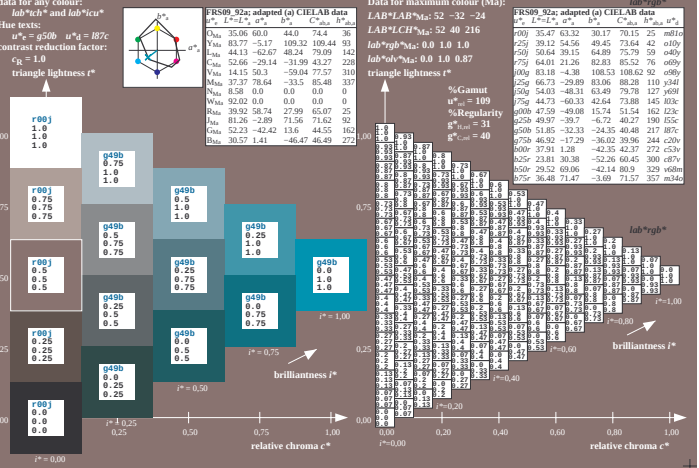
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_e = g50b$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = g50b$ $u^*_d = I87c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 52 −32 −24 $LAB^*LCH^*_{Ma}$: 52 40 216 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87



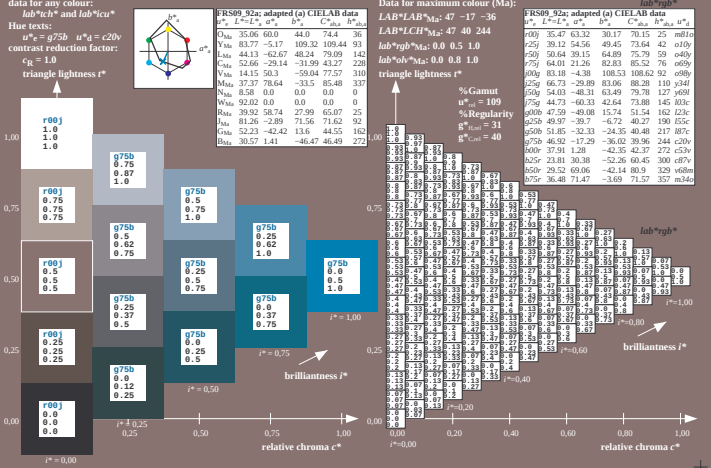
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_e = g75b$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = g75b$ $u^*_d = c20v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 −17 −36 $LAB^*LCH^*_{Ma}$: 47 40 244 $lab^*rgb^*_{Ma}$: 0.0 0.5 1.0 $lab^*olv^*_{Ma}$: 0.0 0.8 1.0



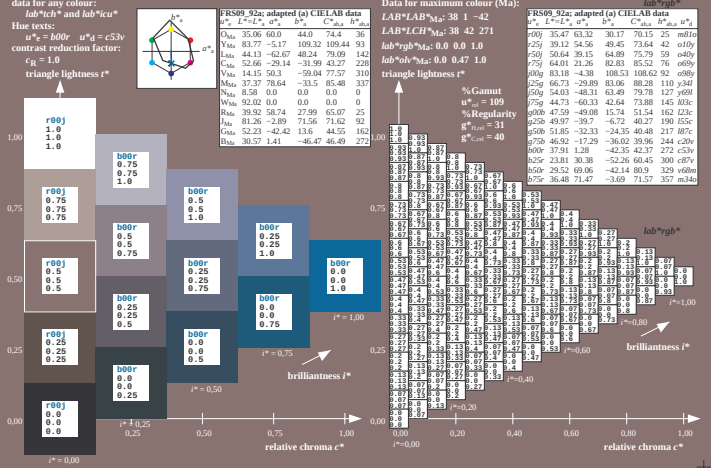
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_e = b00r$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = b00r$ $u^*_d = c53v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 38 1 −42 $LAB^*LCH^*_{Ma}$: 38 42 271 $lab^*rgb^*_{Ma}$: 0.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.47 1.0



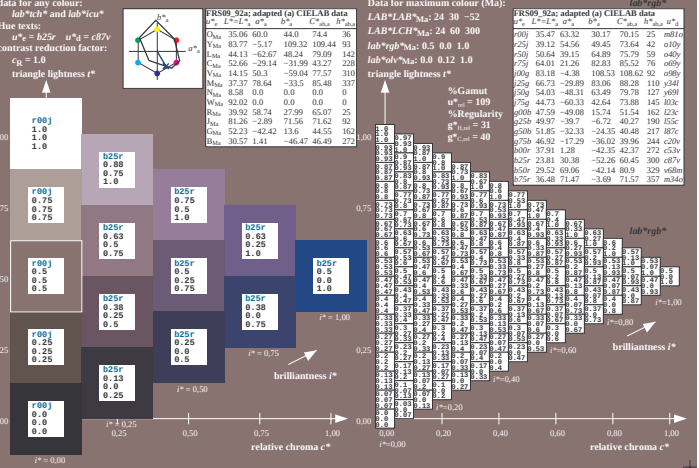
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_e = b25r$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = b25r$ $u^*_d = c87v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 24 30 −52 $LAB^*LCH^*_{Ma}$: 24 60 300 $lab^*rgb^*_{Ma}$: 0.5 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.12 1.0



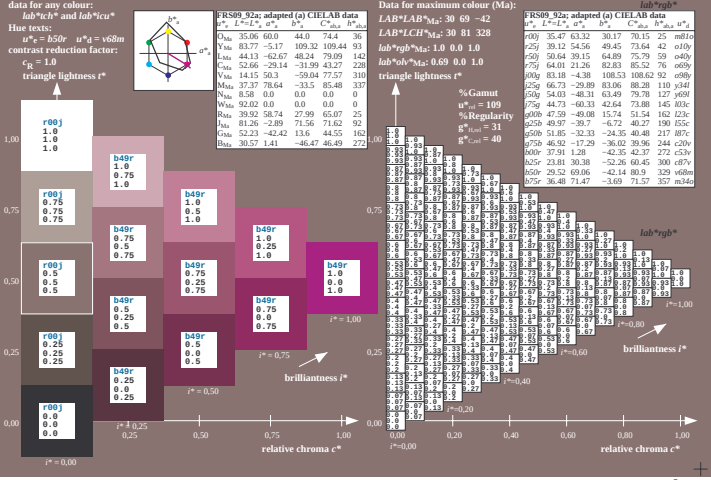
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_e = b50r$ lab^*rgb^*

data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = b50r$ $u^*_d = v68m$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 30 69 −42 $LAB^*LCH^*_{Ma}$: 30 81 328 $lab^*rgb^*_{Ma}$: 1.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.69 0.0 1.0



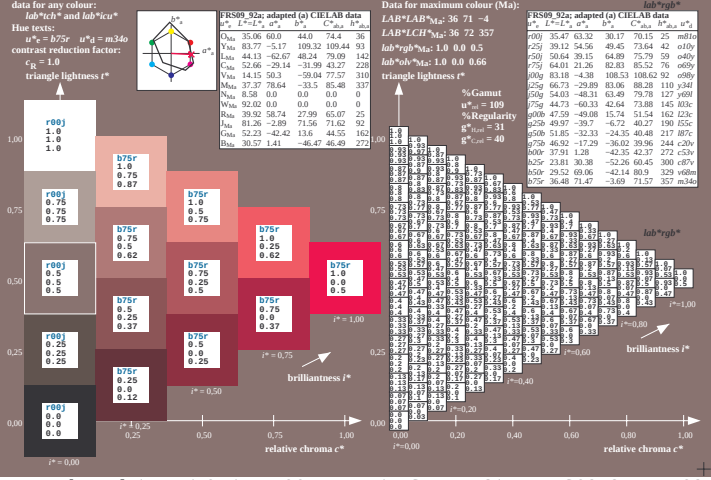
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_e = b75r$ lab^*rgb^*

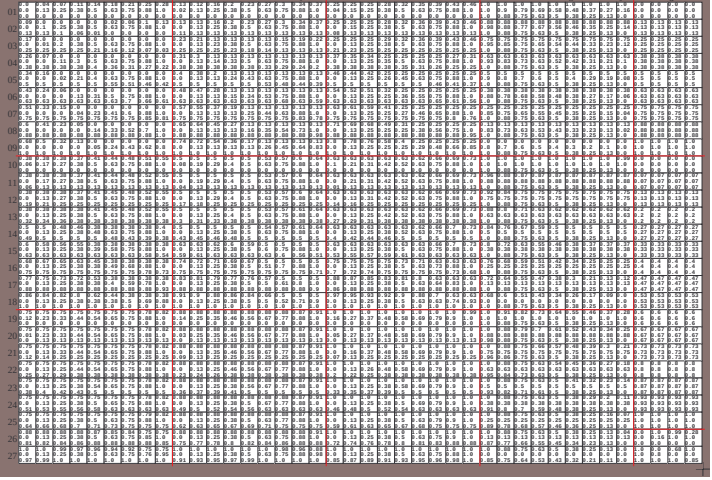
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_e = b75r$ $u^*_d = m34o$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 36 71 −4 $LAB^*LCH^*_{Ma}$: 36 72 357 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$ $u^*_R = g00b$ $LAB^*LAB^*_R$

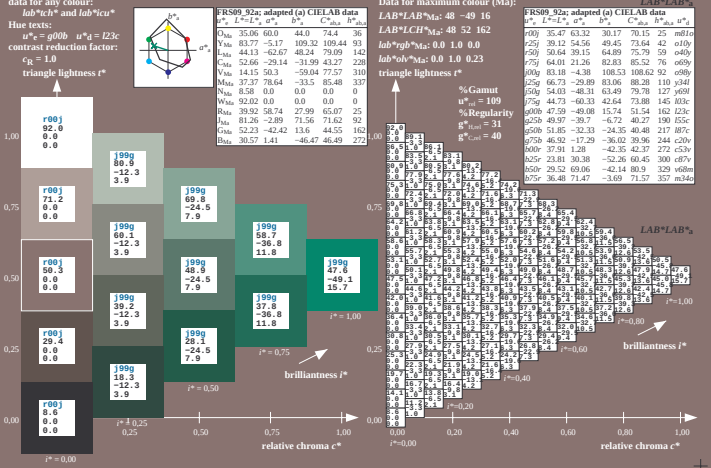
data for any colour: lab^*h^* and lab^*cu^*

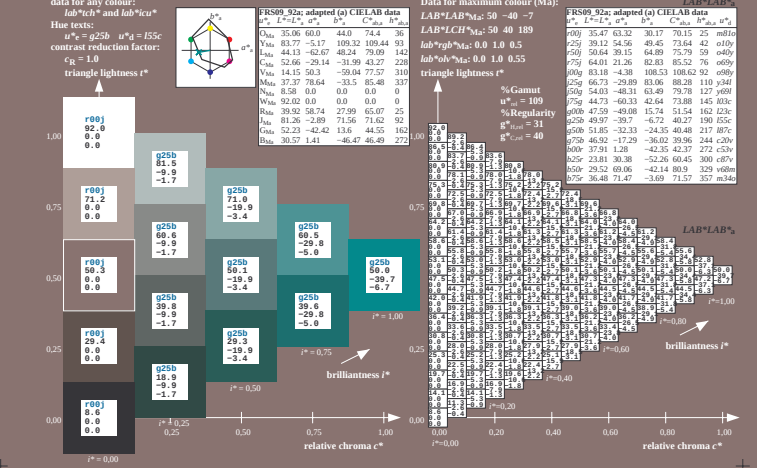
Hue texts: $u^*_R = g00b$ $u^*_d = I23c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 −49 16 $LAB^*LCH^*_{Ma}$: 48 52 162 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.23

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_R = g25b$ $LAB^*LAB^*_R$

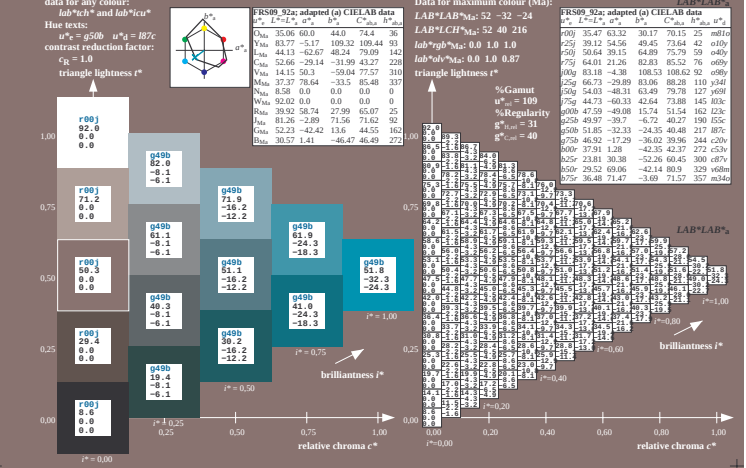
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_R = g25b$ $u^*_d = I55c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 −40 −7 $LAB^*LCH^*_{Ma}$: 50 40 189 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_R = g50b$ $LAB^*LAB^*_R$

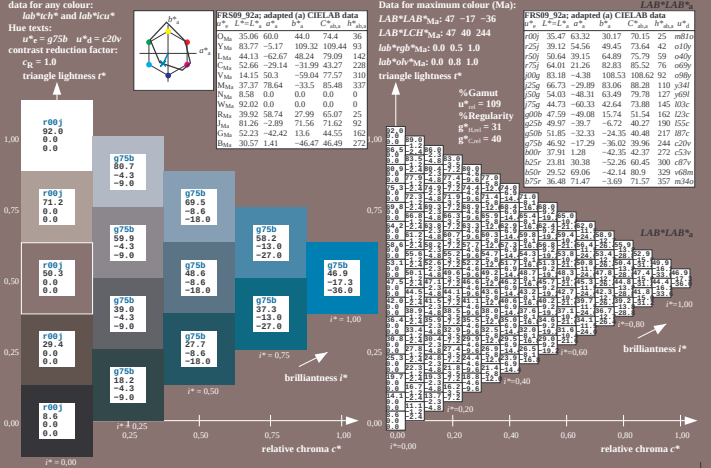
data for any colour: lab^*h^* and lab^*cu^*

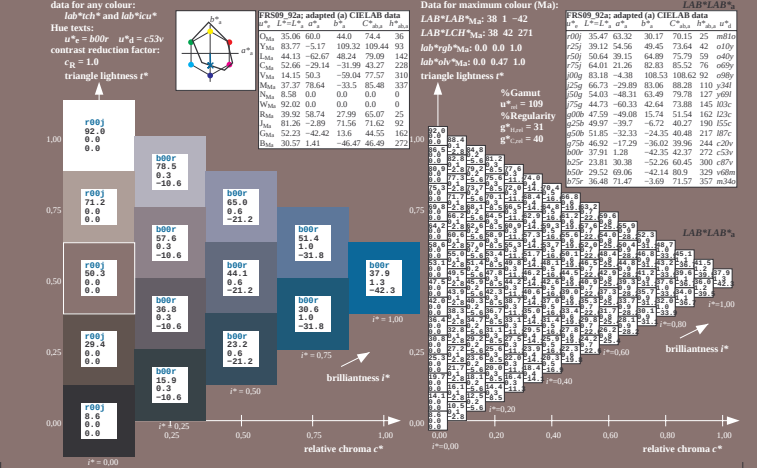
Hue texts: $u^*_R = g50b$ $u^*_d = I87c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 52 −32 −24 $LAB^*LCH^*_{Ma}$: 52 40 216 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_R = g75b$ $LAB^*LAB^*_R$

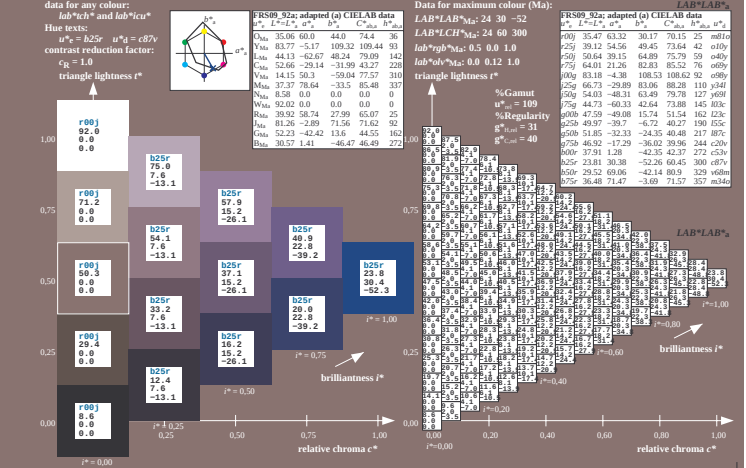
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_R = g75b$ $u^*_d = c20v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 −17 −36 $LAB^*LCH^*_{Ma}$: 47 40 244 $lab^*rgb^*_{Ma}$: 0.0 0.5 1.0 $lab^*olv^*_{Ma}$: 0.0 0.8 1.0

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_R = b00r$ $LAB^*LAB^*_R$

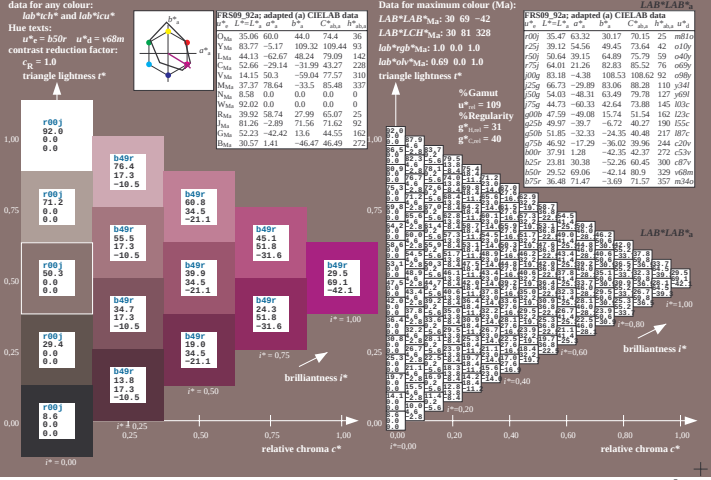
data for any colour: lab^*h^* and lab^*cu^*

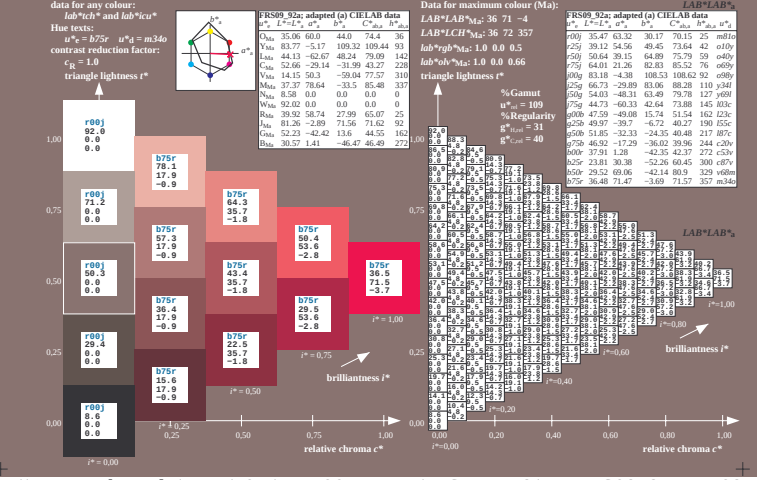
Hue texts: $u^*_R = b00r$ $u^*_d = c53v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 38 1 −42 $LAB^*LCH^*_{Ma}$: 38 42 271 $lab^*rgb^*_{Ma}$: 0.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.47 1.0

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_R = b25r$ $LAB^*LAB^*_R$

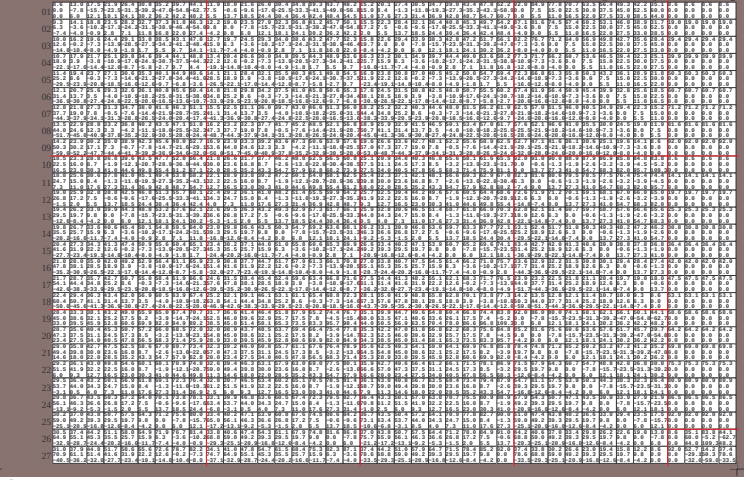
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_R = b25r$ $u^*_d = c87v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 24 30 −52 $LAB^*LCH^*_{Ma}$: 24 60 300 $lab^*rgb^*_{Ma}$: 0.5 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.12 1.0

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_R = b50r$ $LAB^*LAB^*_R$

data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_R = b50r$ $u^*_d = v68m$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 30 69 −42 $LAB^*LCH^*_{Ma}$: 30 81 328 $lab^*rgb^*_{Ma}$: 1.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.69 0.0 1.0

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_R = b75r$ $LAB^*LAB^*_R$

data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_R = b75r$ $u^*_d = m34o$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 36 71 −4 $LAB^*LCH^*_{Ma}$: 36 72 357 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66

triangle lightness t^* | %Gamut $u^*_{rel} = 109$ | %Regularity $R^*_{Lim} = 31$ $R^*_{C,ab} = 40$

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$ $u^*_R = g00b$ $LAB^*LCH^*_R$

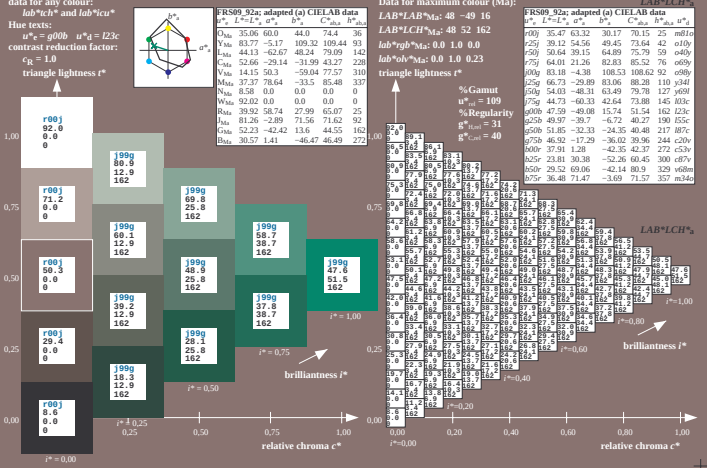
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = g00b$ $u^*_d = I23c$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 −49 16 $LAB^*LCH^*_{Ma}$: 48 52 162 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.23



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_R = g25b$ $LAB^*LCH^*_R$

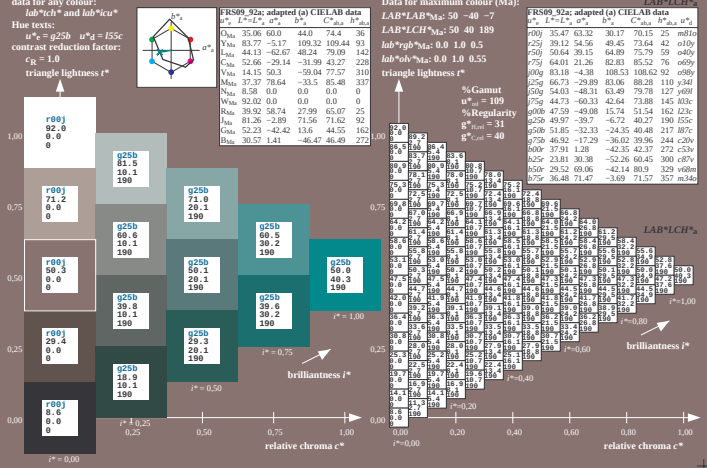
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = g25b$ $u^*_d = I55c$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 −40 −7 $LAB^*LCH^*_{Ma}$: 50 40 189 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_R = g50b$ $LAB^*LCH^*_R$

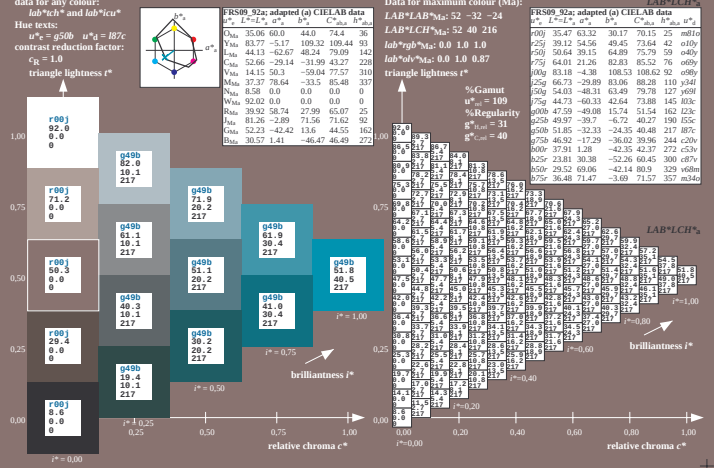
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = g50b$ $u^*_d = I87c$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 52 −32 −24 $LAB^*LCH^*_{Ma}$: 52 40 216 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_R = g75b$ $LAB^*LCH^*_R$

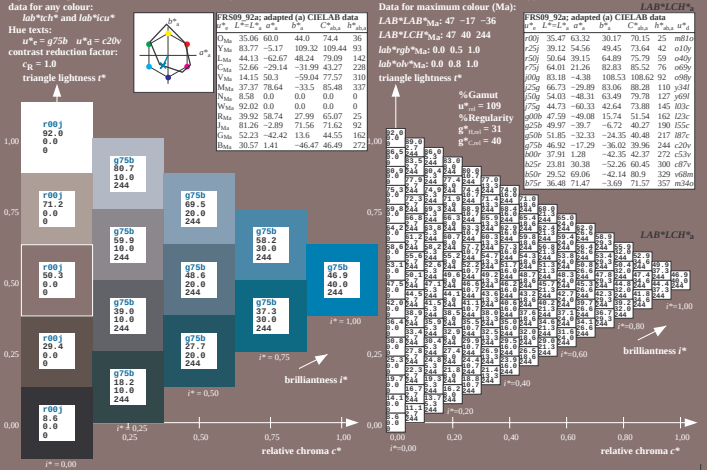
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = g75b$ $u^*_d = c20v$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 −17 −36 $LAB^*LCH^*_{Ma}$: 47 40 244 $lab^*rgb^*_{Ma}$: 0.0 0.5 1.0 $lab^*olv^*_{Ma}$: 0.0 0.8 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_R = b00r$ $LAB^*LCH^*_R$

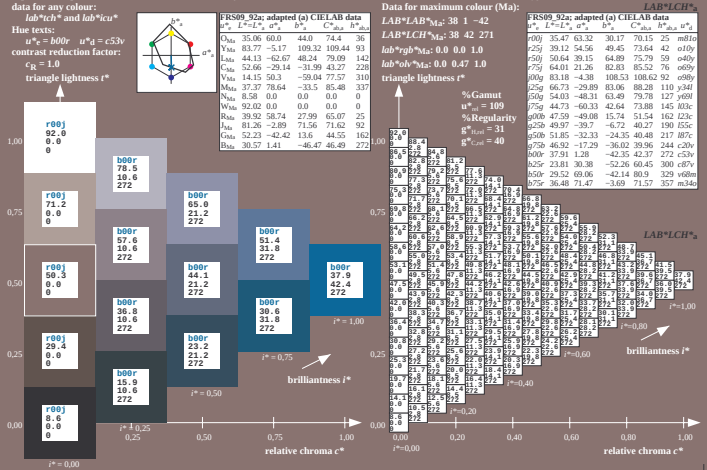
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = b00r$ $u^*_d = c53v$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 38 1 −42 $LAB^*LCH^*_{Ma}$: 38 42 271 $lab^*rgb^*_{Ma}$: 0.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.47 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_R = b25r$ $LAB^*LCH^*_R$

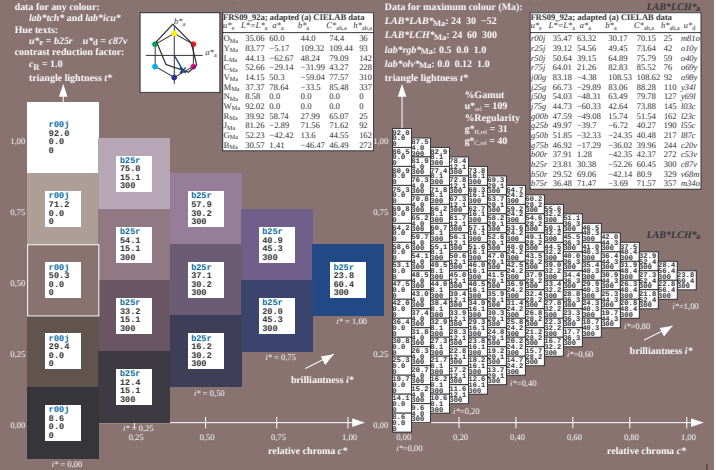
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = b25r$ $u^*_d = c87v$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 24 30 −52 $LAB^*LCH^*_{Ma}$: 24 60 300 $lab^*rgb^*_{Ma}$: 0.5 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.12 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_R = b50r$ $LAB^*LCH^*_R$

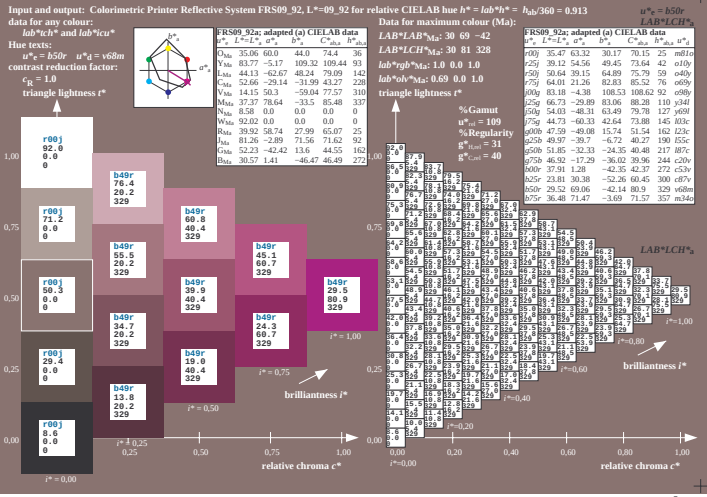
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

Hue texts: $u^*_R = b50r$ $u^*_d = v68m$

contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 30 69 −42 $LAB^*LCH^*_{Ma}$: 30 81 328 $lab^*rgb^*_{Ma}$: 1.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.69 0.0 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_R = b75r$ $LAB^*LCH^*_R$

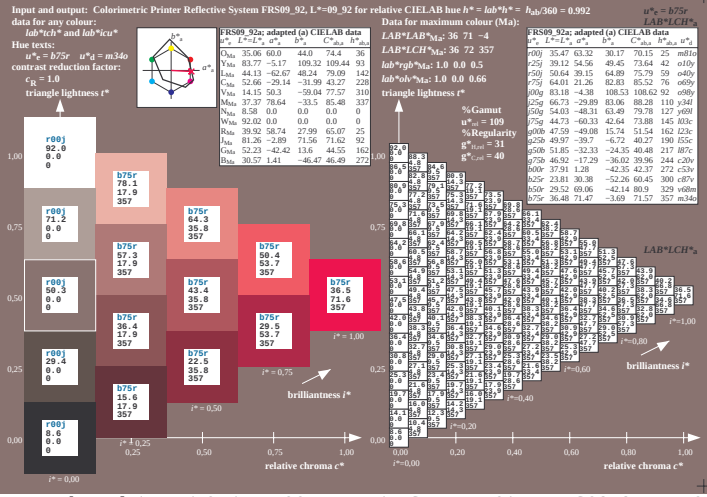
data for any colour: $lab^*c^*h^*$ and $lab^*c^*u^*$

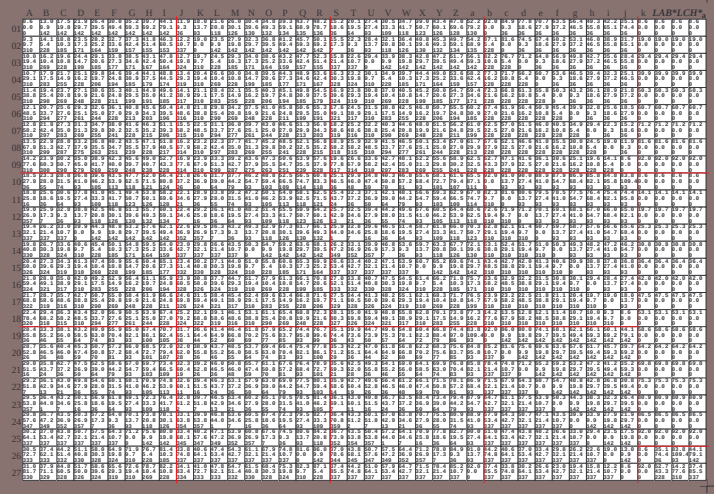
Hue texts: $u^*_R = b75r$ $u^*_d = m34o$

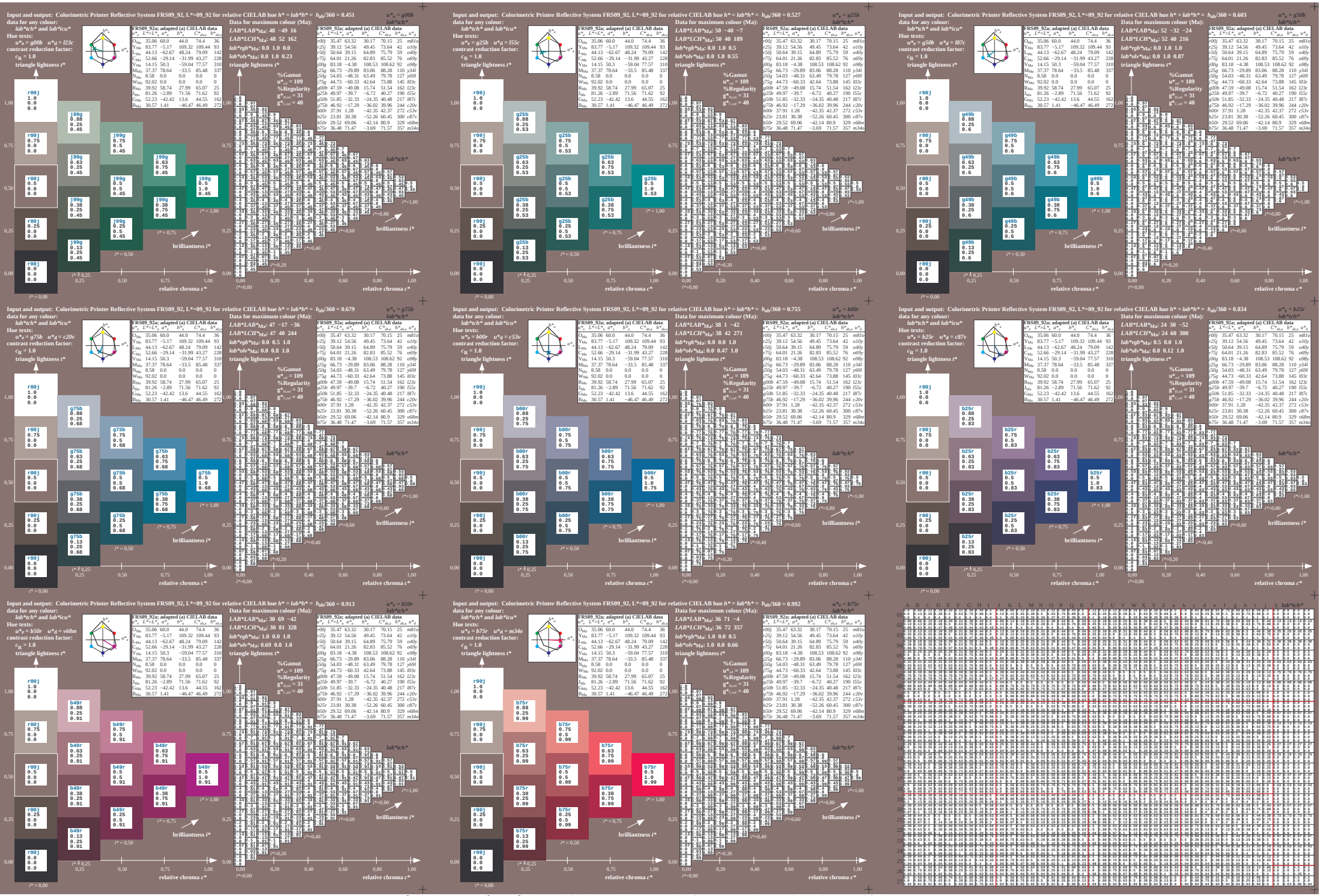
contrast reduction factor: $c_R = 1.0$

triangle lightness t^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 36 71 −4 $LAB^*LCH^*_{Ma}$: 36 72 357 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66






Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*e = g00b
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 -49 16
LAB*LCH*Ma: 48 52 162
lab*rgb*Ma: 0.0 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.23
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*e = g25b
Data for maximum colour (Ma):
LAB*LAB*Ma: 50 -40 -7
LAB*LCH*Ma: 50 40 189
lab*rgb*Ma: 0.0 1.0 0.5
lab*olv*Ma: 0.0 1.0 0.55
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*e = g50b
Data for maximum colour (Ma):
LAB*LAB*Ma: 52 -32 -24
LAB*LCH*Ma: 52 40 216
lab*rgb*Ma: 0.0 1.0 1.0
lab*olv*Ma: 0.0 1.0 0.87
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*e = g75b
Data for maximum colour (Ma):
LAB*LAB*Ma: 47 -17 -36
LAB*LCH*Ma: 47 40 244
lab*rgb*Ma: 0.0 0.5 1.0
lab*olv*Ma: 0.0 0.8 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*e = b00r
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 1 -42
LAB*LCH*Ma: 38 42 271
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.47 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*e = b25r
Data for maximum colour (Ma):
LAB*LAB*Ma: 24 30 -52
LAB*LCH*Ma: 24 60 300
lab*rgb*Ma: 0.5 0.0 1.0
lab*olv*Ma: 0.0 0.12 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*e = b50r
Data for maximum colour (Ma):
LAB*LAB*Ma: 30 69 -42
LAB*LCH*Ma: 30 81 328
lab*rgb*Ma: 1.0 0.0 1.0
lab*olv*Ma: 0.69 0.0 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*e = b75r
Data for maximum colour (Ma):
LAB*LAB*Ma: 36 71 -4
LAB*LCH*Ma: 36 72 357
lab*rgb*Ma: 1.0 0.0 0.5
lab*olv*Ma: 1.0 0.0 0.66
data for any colour:
lab*h* and lab*c*
Hue texts:
u*e = g00b u*d = l23c
u*e = g25b u*d = l55c
u*e = g50b u*d = l87c
u*e = g75b u*d = c20v
u*e = b00r u*d = c53v
u*e = b25r u*d = c87v
u*e = b50r u*d = v68m
u*e = b75r u*d = m34o
contrast reduction factor:
kR = 1.0
triangle lightness t*
%Gamut
%Regularity
relative chroma c*
brilliantness i*
lab*ch*

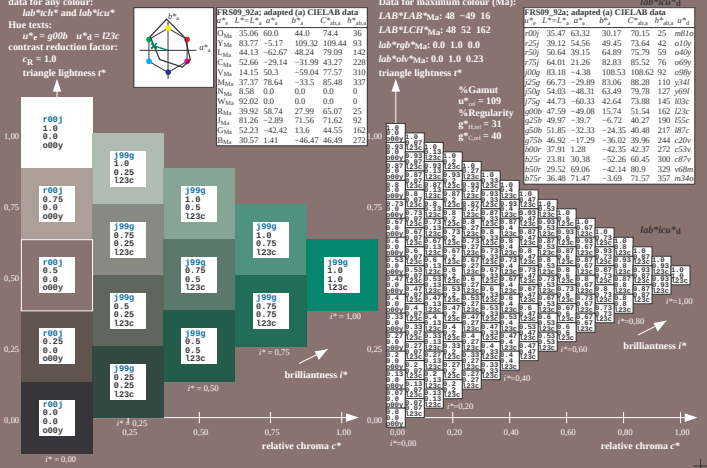
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_e = g00b$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g00b$ $u^*_d = l23c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 −49 16 $LAB^*LCH^*_{Ma}$: 48 52 162 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.23



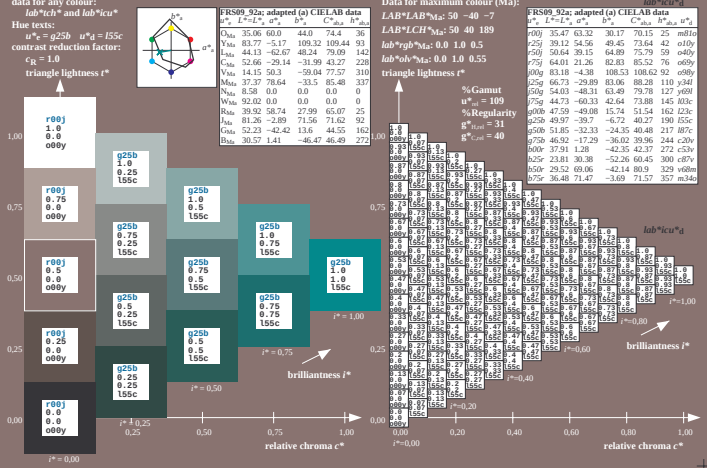
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_e = g25b$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g25b$ $u^*_d = l55c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 −40 −7 $LAB^*LCH^*_{Ma}$: 50 40 189 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55



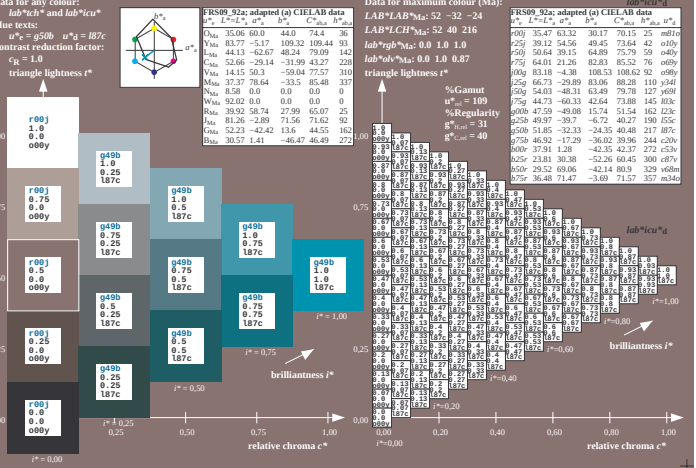
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_e = g50b$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g50b$ $u^*_d = l87c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 52 −32 −24 $LAB^*LCH^*_{Ma}$: 52 40 216 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87



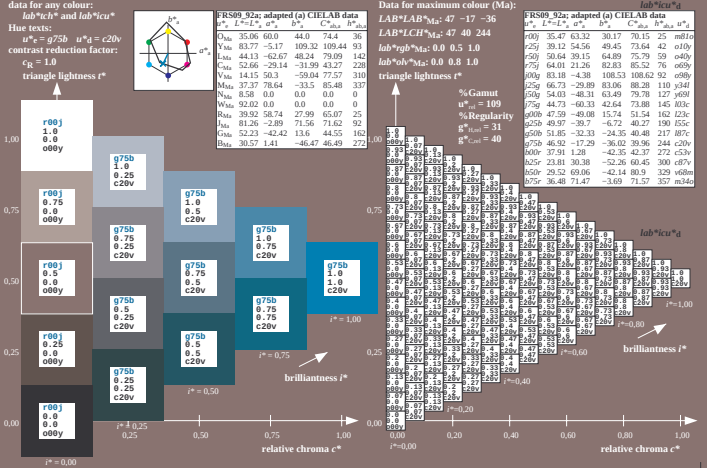
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_e = g75b$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g75b$ $u^*_d = c20v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 −17 −36 $LAB^*LCH^*_{Ma}$: 47 40 244 $lab^*rgb^*_{Ma}$: 0.0 0.5 1.0 $lab^*olv^*_{Ma}$: 0.0 0.8 1.0



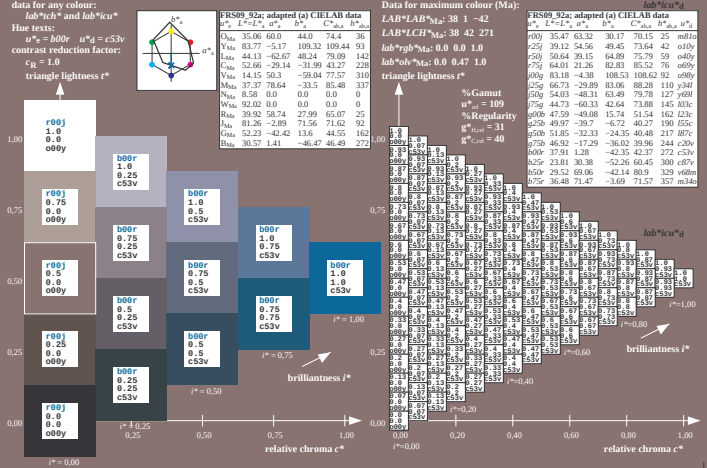
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_e = b00r$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b00r$ $u^*_d = c53v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 38 1 −42 $LAB^*LCH^*_{Ma}$: 38 42 271 $lab^*rgb^*_{Ma}$: 0.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.47 1.0



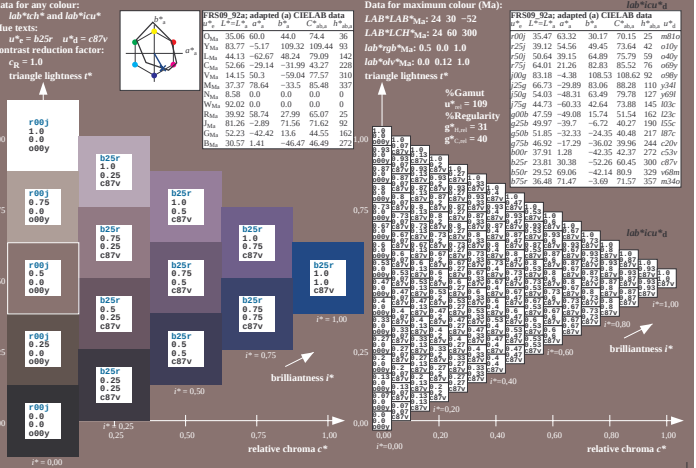
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_e = b25r$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b25r$ $u^*_d = c87v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 24 30 −52 $LAB^*LCH^*_{Ma}$: 24 60 300 $lab^*rgb^*_{Ma}$: 0.5 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.12 1.0



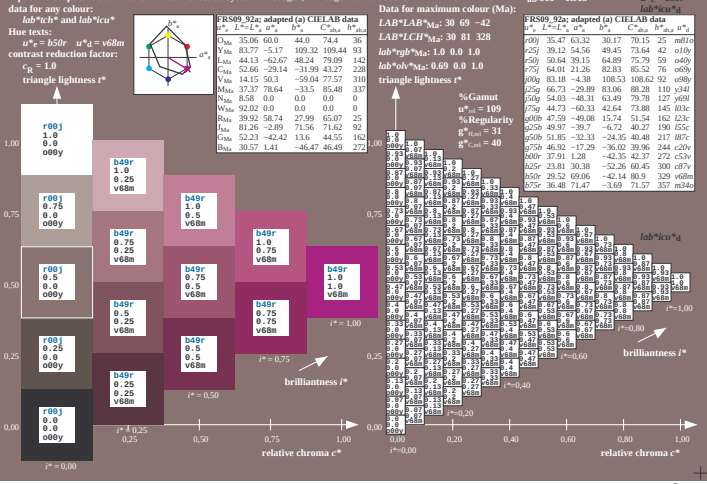
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_e = b50r$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b50r$ $u^*_d = v68m$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 30 69 −42 $LAB^*LCH^*_{Ma}$: 30 81 328 $lab^*rgb^*_{Ma}$: 1.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.69 0.0 1.0



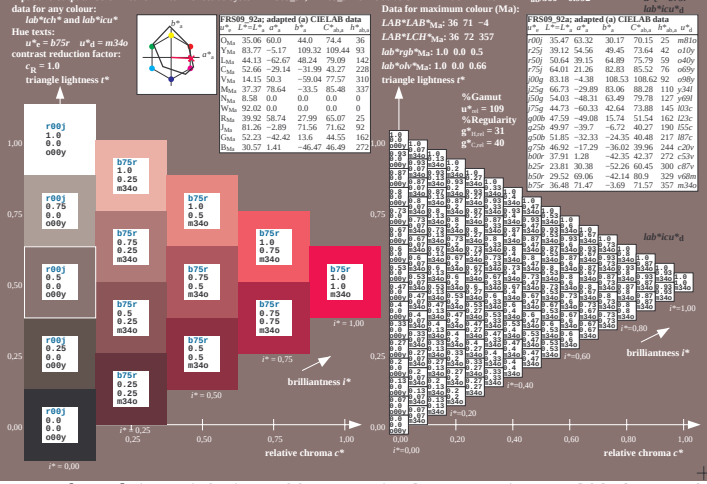
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_e = b75r$ lab^*cu^*d

data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b75r$ $u^*_d = m34o$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 36 71 −4 $LAB^*LCH^*_{Ma}$: 36 72 357 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.451$ $u^*_e = g00b$ LAB^*LAB^*

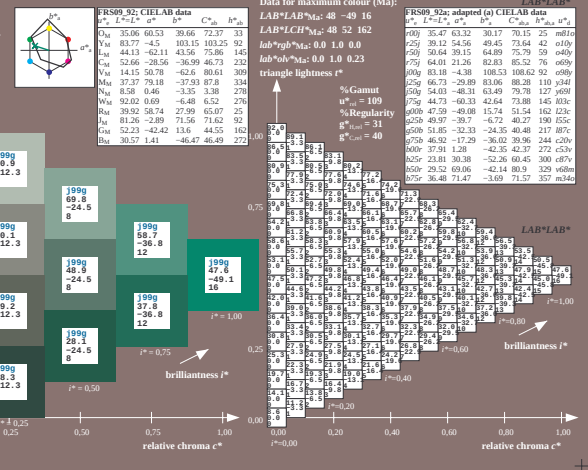
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = g00b$ $u^*_d = l23c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 −49 16 $LAB^*LCH^*_{Ma}$: 48 52 162 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.23

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.527$ $u^*_e = g25b$ LAB^*LAB^*

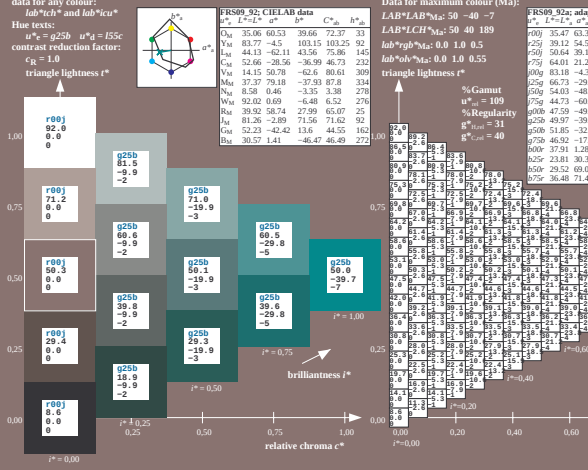
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = g25b$ $u^*_d = l55c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 −40 −7 $LAB^*LCH^*_{Ma}$: 50 40 189 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.603$ $u^*_e = g50b$ LAB^*LAB^*

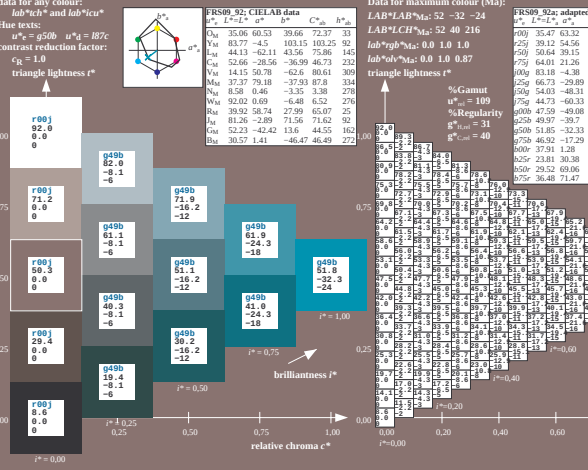
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = g50b$ $u^*_d = l87c$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 52 −32 −24 $LAB^*LCH^*_{Ma}$: 52 40 216 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.679$ $u^*_e = g75b$ LAB^*LAB^*

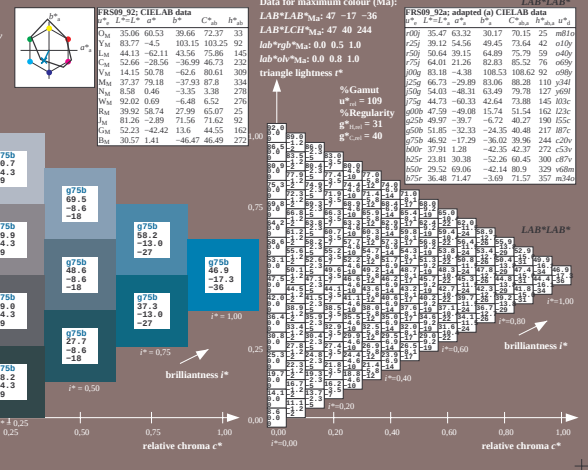
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = g75b$ $u^*_d = c20v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 −17 −36 $LAB^*LCH^*_{Ma}$: 47 40 244 $lab^*rgb^*_{Ma}$: 0.0 0.5 1.0 $lab^*olv^*_{Ma}$: 0.0 0.8 1.0

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.755$ $u^*_e = b00r$ LAB^*LAB^*

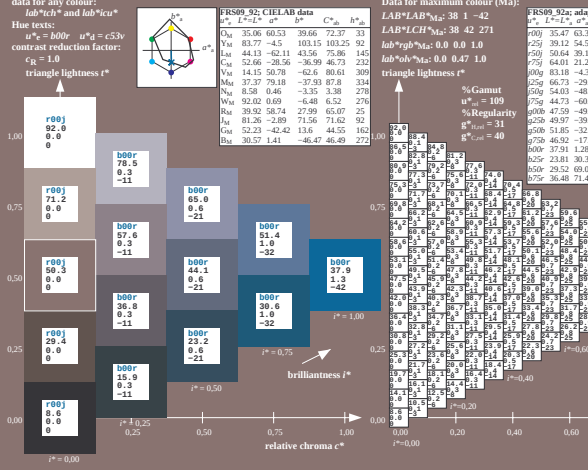
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = b00r$ $u^*_d = c53v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 38 1 −42 $LAB^*LCH^*_{Ma}$: 38 42 271 $lab^*rgb^*_{Ma}$: 0.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.47 1.0

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.834$ $u^*_e = b25r$ LAB^*LAB^*

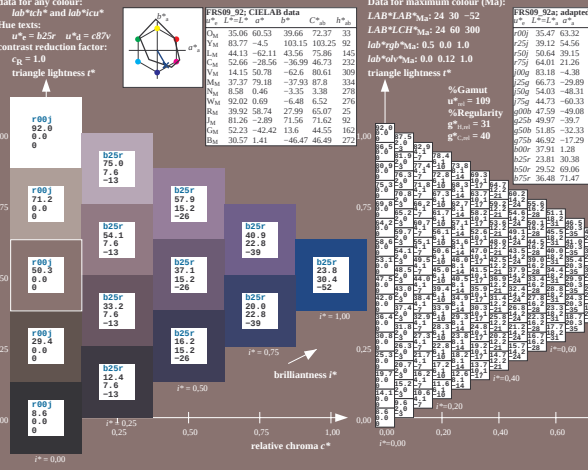
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = b25r$ $u^*_d = c87v$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 24 30 −52 $LAB^*LCH^*_{Ma}$: 24 60 300 $lab^*rgb^*_{Ma}$: 0.5 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.12 1.0

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.913$ $u^*_e = b50r$ LAB^*LAB^*

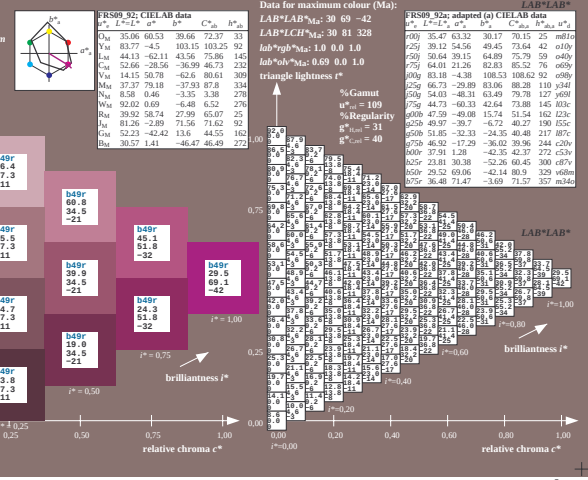
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = b50r$ $u^*_d = v68m$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 30 69 −42 $LAB^*LCH^*_{Ma}$: 30 81 328 $lab^*rgb^*_{Ma}$: 1.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.69 0.0 1.0

triangle lightness t^*



FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.992$ $u^*_e = b75r$ LAB^*LAB^*

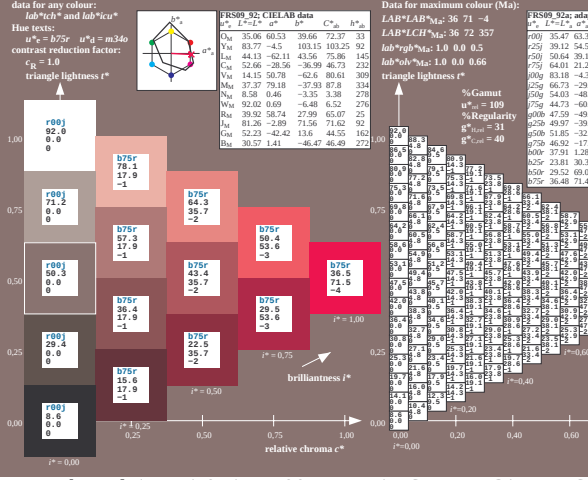
data for any colour: lab^*h^* and lab^*cu^*

Hue texts: $u^*_e = b75r$ $u^*_d = m34o$

contrast reduction factor: $c_R = 1.0$

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 36 71 −4 $LAB^*LCH^*_{Ma}$: 36 72 357 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66

triangle lightness t^*

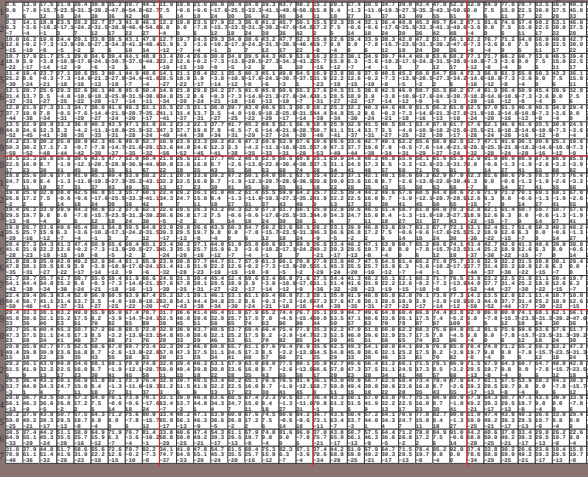


FRS09_92; CIELAB data

	L^*	C^*_{ab}	h^*_{ab}
O_{bj}	35.06	60.53	39.66
Y_{bj}	83.77	4.5	103.15
L_{tg}	44.13	62.11	43.56
C_{tg}	52.66	28.56	−36.99
V_{bj}	14.15	50.78	−62.6
M_{bj}	37.37	79.18	−37.93
N_{bj}	8.58	0.46	−3.35
W_{bj}	92.02	0.69	−6.48
R_{bj}	39.92	58.74	27.99
H_{bj}	81.26	−2.89	71.56
G_{bj}	52.23	−42.42	13.6
B_{bj}	30.57	1.41	−46.47

FRS09_92; adapted (a) CIELAB data

	L^*	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_{d,a}$
r00j	35.47	63.32	30.17	70.15
r25j	39.12	54.56	49.45	73.64
r50j	50.64	39.15	64.89	75.79
r75j	64.01	21.26	82.83	85.52
r00g	83.18	−4.38	108.53	108.62
r25g	66.73	−29.89	83.06	88.28
r50g	54.03	−48.31	63.49	79.78
r75g	44.73	−60.33	42.64	73.88
g00b	47.59	−49.08	15.74	51.54
g25b	49.97	−39.7	−6.72	40.27
g50b	51.85	−32.33	−24.35	40.48
g75b	46.92	−17.29	−36.02	39.96
b00r	37.91	1.28	−42.35	42.37
b25r	23.81	30.38	−52.26	60.45
b50r	29.52	69.06	−42.14	80.9
b75r	36.48	71.47	−3.69	71.57



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_e = g00b$ lab^*ch^*

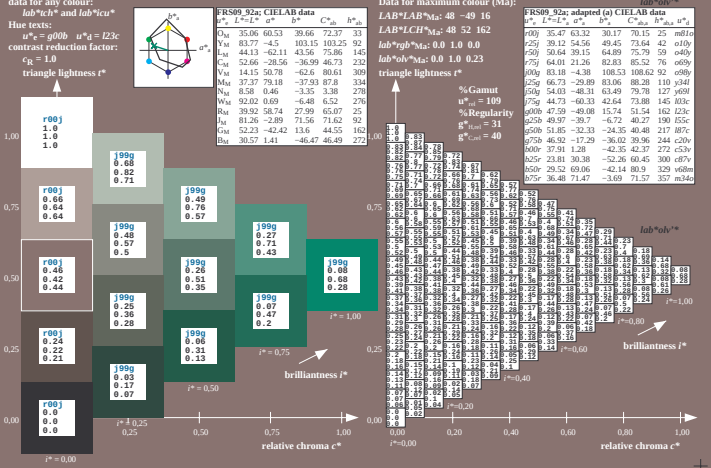
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g00b$ $u^*_d = l23c$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 48 −49 16 $LAB^*LCH^*_{Ma}$: 48 52 162 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.23



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_e = g25b$ lab^*ch^*

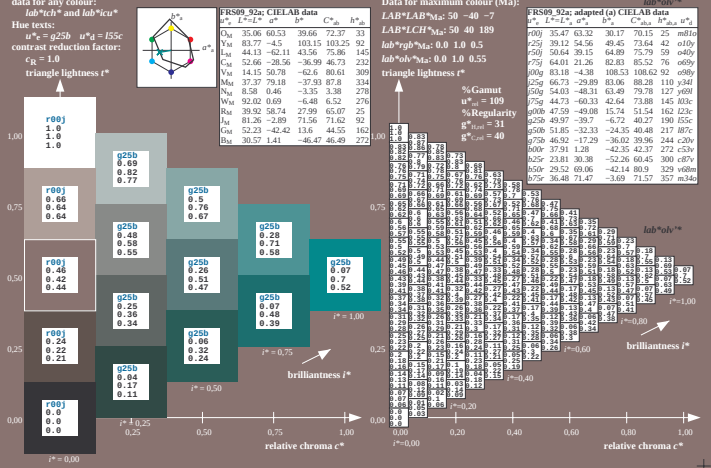
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g25b$ $u^*_d = l55c$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 50 −40 −7 $LAB^*LCH^*_{Ma}$: 50 40 189 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_e = g50b$ lab^*ch^*

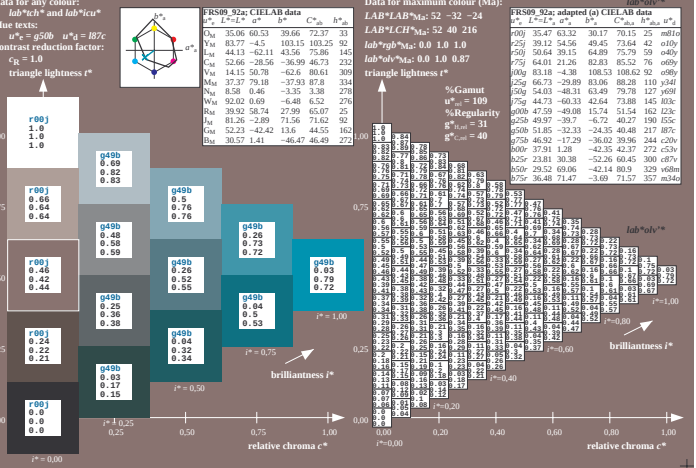
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g50b$ $u^*_d = l87c$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 52 −32 −24 $LAB^*LCH^*_{Ma}$: 52 40 216 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_e = g75b$ lab^*ch^*

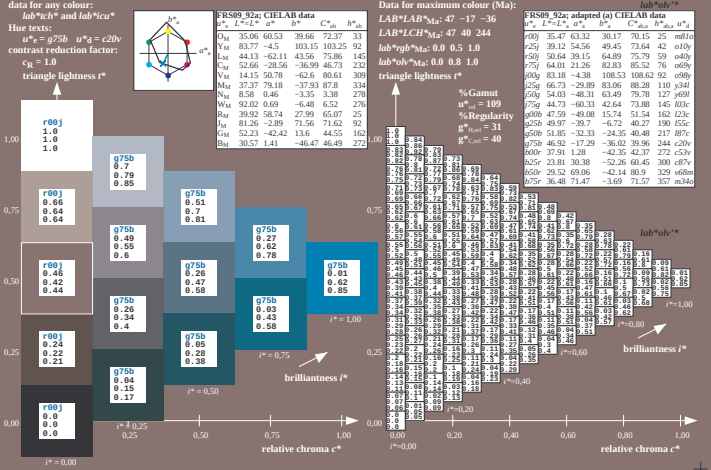
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = g75b$ $u^*_d = c20v$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 47 −17 −36 $LAB^*LCH^*_{Ma}$: 47 40 244 $lab^*rgb^*_{Ma}$: 0.0 0.5 1.0 $lab^*olv^*_{Ma}$: 0.0 0.8 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_e = b00r$ lab^*ch^*

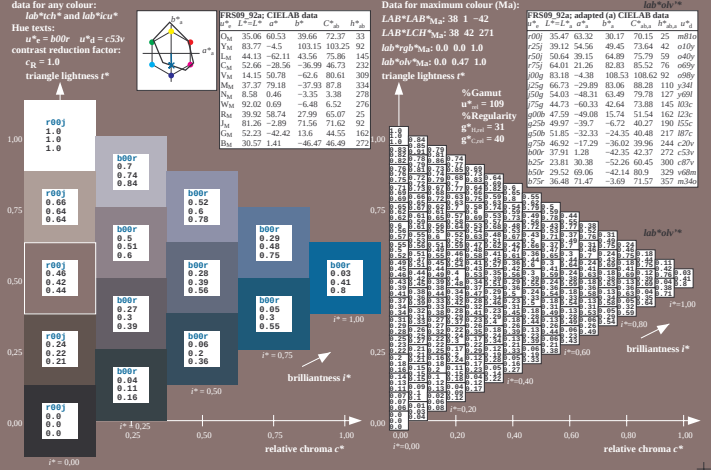
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b00r$ $u^*_d = c53v$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 38 1 −42 $LAB^*LCH^*_{Ma}$: 38 42 271 $lab^*rgb^*_{Ma}$: 0.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.47 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_e = b25r$ lab^*ch^*

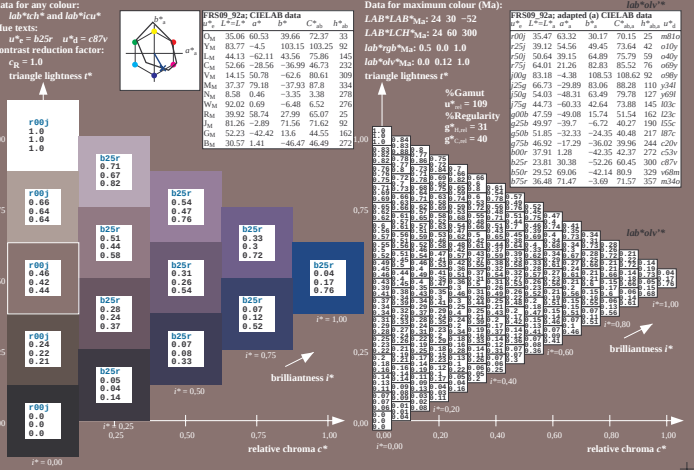
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b25r$ $u^*_d = c87v$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 24 30 −52 $LAB^*LCH^*_{Ma}$: 24 60 300 $lab^*rgb^*_{Ma}$: 0.5 0.0 1.0 $lab^*olv^*_{Ma}$: 0.0 0.12 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_e = b50r$ lab^*ch^*

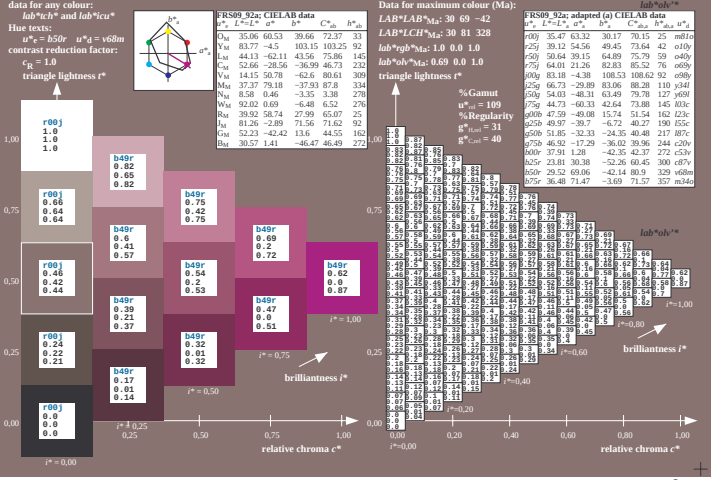
data for any colour: lab^*ch^* and lab^*cu^*

Hue texts: $u^*_e = b50r$ $u^*_d = v68m$

contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 30 69 −42 $LAB^*LCH^*_{Ma}$: 30 81 328 $lab^*rgb^*_{Ma}$: 1.0 0.0 1.0 $lab^*olv^*_{Ma}$: 0.69 0.0 1.0



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_e = b75r$ lab^*ch^*

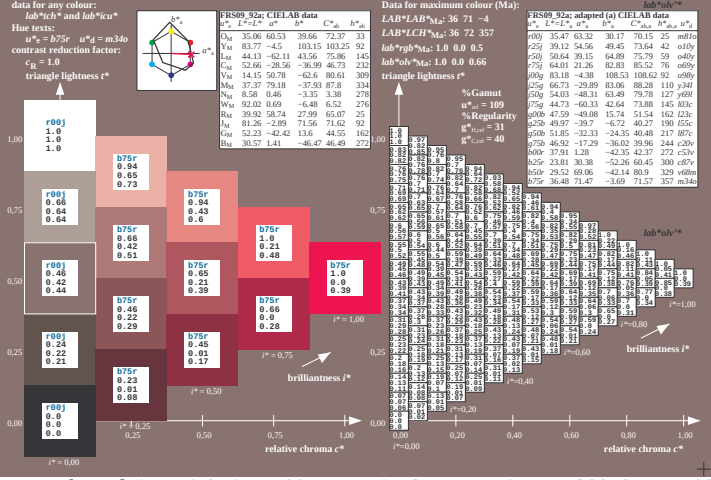
data for any colour: lab^*ch^* and lab^*cu^*

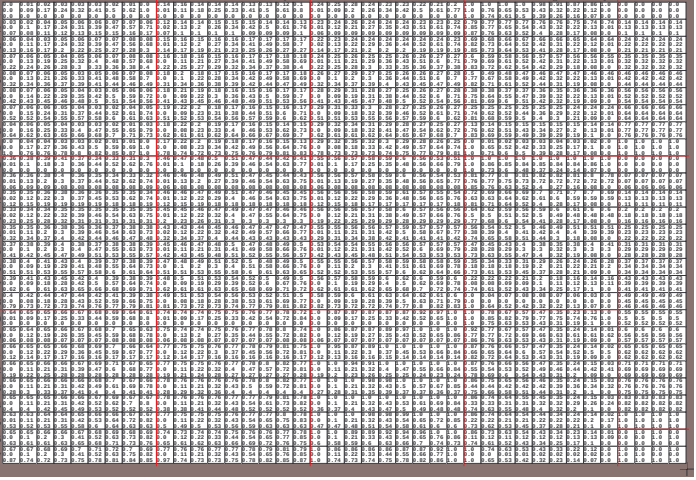
Hue texts: $u^*_e = b75r$ $u^*_d = m34o$

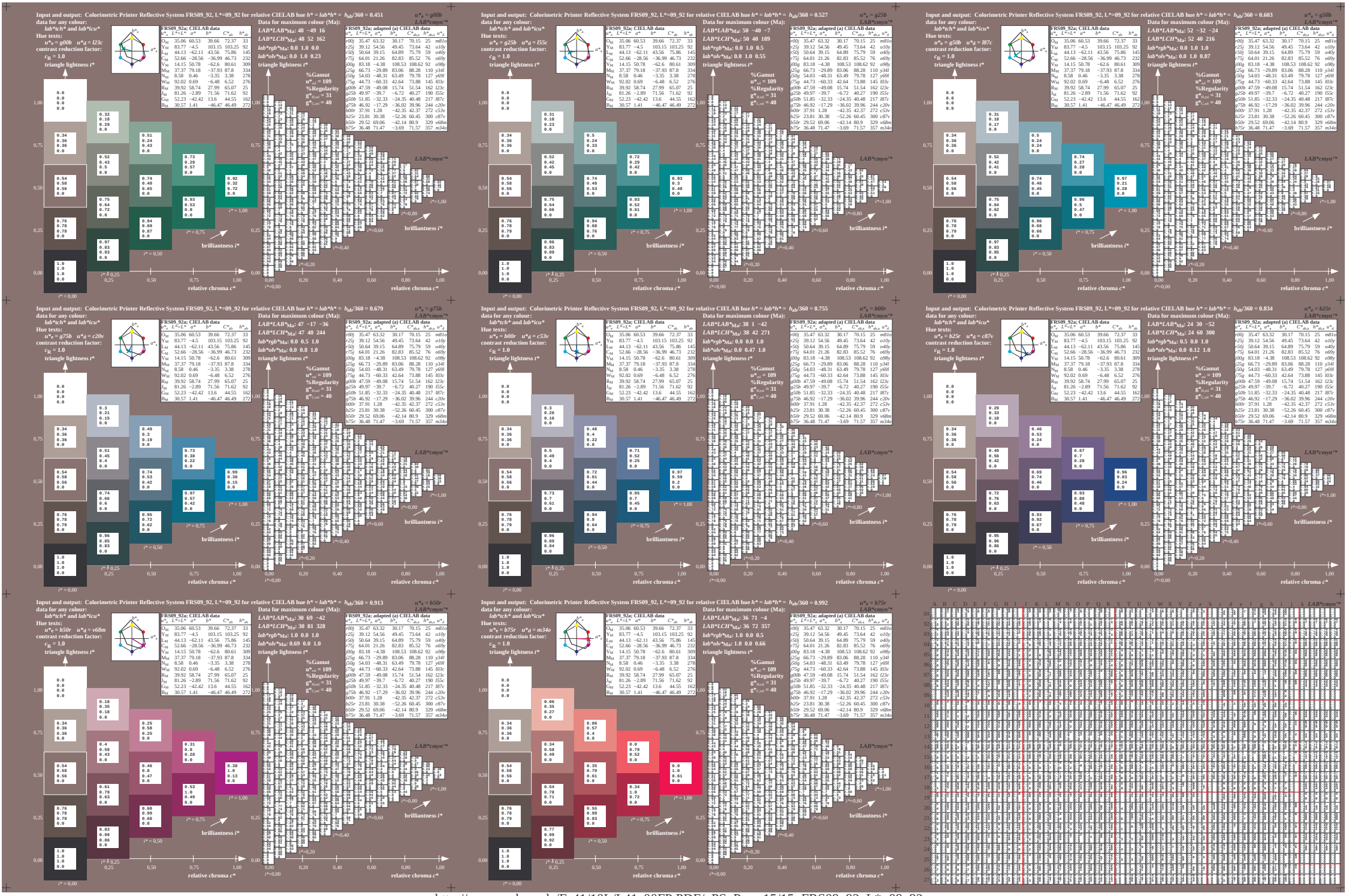
contrast reduction factor: $c_R = 1.0$

triangle lightness l^*

Data for maximum colour (Ma): $LAB^*LAB^*_{Ma}$: 36 71 −4 $LAB^*LCH^*_{Ma}$: 36 72 357 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66






Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*e = g00b
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = g00b u*d = I23c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 48 -49 16 LAB*LCH*Ma: 48 52 162 lab*rgb*Ma: 0.0 1.0 0.0 lab*olv*Ma: 0.0 1.0 0.23
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*e = g25b
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = g25b u*d = I55c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 50 -40 -7 LAB*LCH*Ma: 50 40 189 lab*rgb*Ma: 0.0 1.0 0.5 lab*olv*Ma: 0.0 1.0 0.55
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*e = g50b
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = g50b u*d = I87c
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 52 -32 -24 LAB*LCH*Ma: 52 40 216 lab*rgb*Ma: 0.0 1.0 1.0 lab*olv*Ma: 0.0 1.0 0.87
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*e = g75b
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = g75b u*d = c20v
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 47 -17 -36 LAB*LCH*Ma: 47 40 244 lab*rgb*Ma: 0.0 0.5 1.0 lab*olv*Ma: 0.0 0.8 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*e = b00r
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = b00r u*d = c53v
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 38 1 -42 LAB*LCH*Ma: 38 42 271 lab*rgb*Ma: 0.0 0.0 1.0 lab*olv*Ma: 0.0 0.47 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*e = b25r
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = b25r u*d = c87v
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 24 30 -52 LAB*LCH*Ma: 24 60 300 lab*rgb*Ma: 0.5 0.0 1.0 lab*olv*Ma: 0.0 0.12 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*e = b50r
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = b50r u*d = v68m
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 30 69 -42 LAB*LCH*Ma: 30 81 328 lab*rgb*Ma: 1.0 0.0 1.0 lab*olv*Ma: 0.69 0.0 1.0
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*e = b75r
data for any colour: lab*c/h* and lab*c/u*
Hue texts: u*e = b75r u*d = m34o
contrast reduction factor: cR = 1.0
Data for maximum colour (Ma): LAB*LAB*Ma: 36 71 -4 LAB*LCH*Ma: 36 72 357 lab*rgb*Ma: 1.0 0.0 0.5 lab*olv*Ma: 1.0 0.0 0.66
FRS09_92a; CIELAB data
FRS09_92a; adapted (a) CIELAB data
%Gamut u*ref = 109
%Regularity R*Lab = 31 R*Cab = 40
triangle lightness t*
brilliantness i*
relative chroma c*
LAB*cmyn*