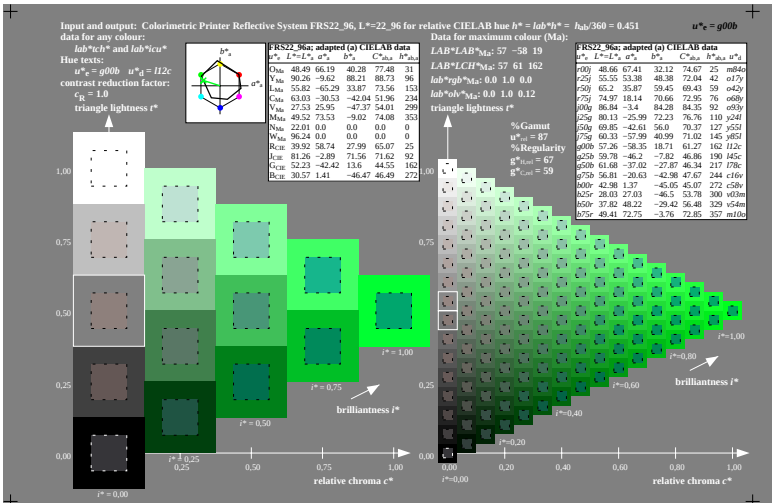
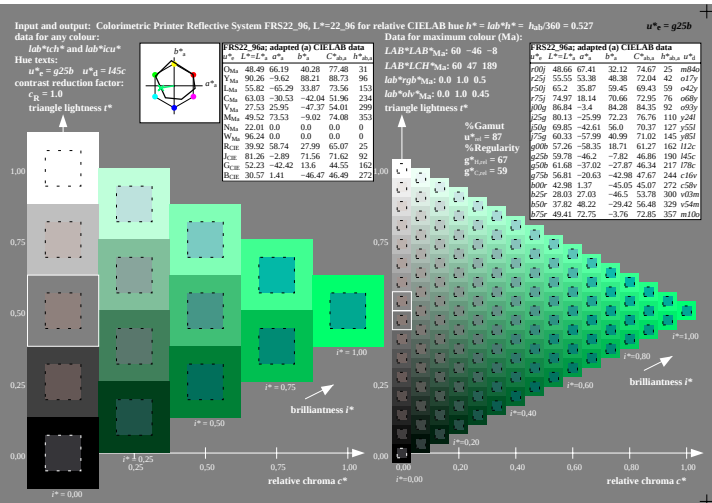
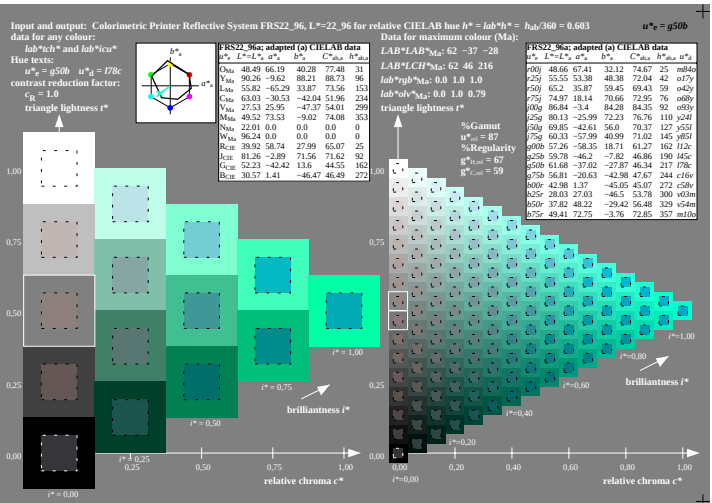
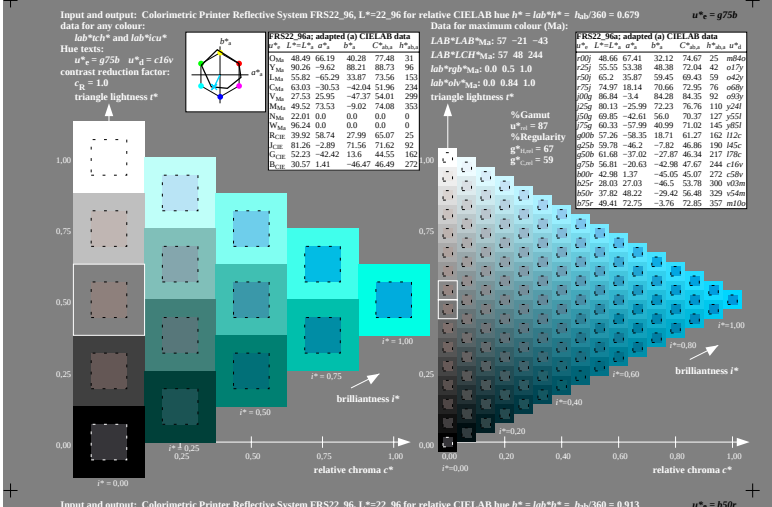
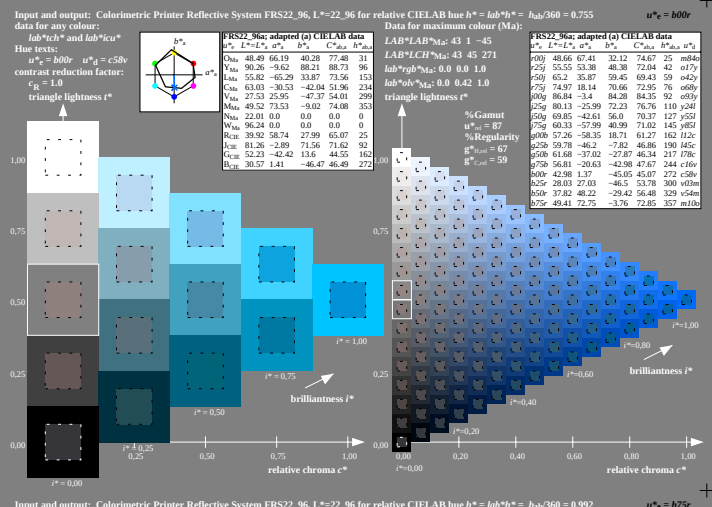
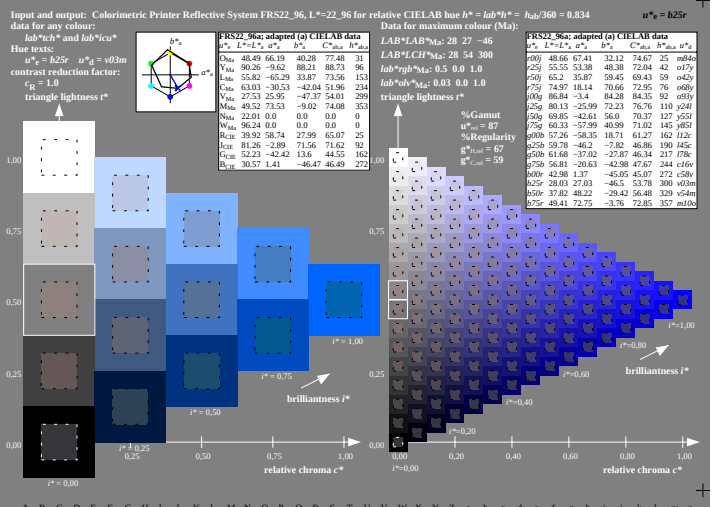

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*E = g00b
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = g00b u*A = I12c
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 −58 19
LAB*LCH*Ma: 57 61 162
lab*rgb*Ma: 0.0 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.12
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*

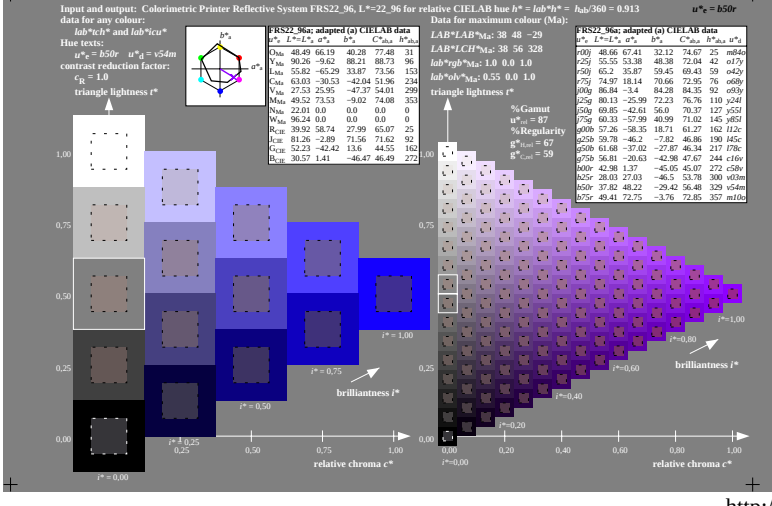

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*E = g25b
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = g25b u*A = I45c
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 60 −46 −8
LAB*LCH*Ma: 60 47 189
lab*rgb*Ma: 0.0 1.0 0.5
lab*olv*Ma: 0.0 1.0 0.45
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*

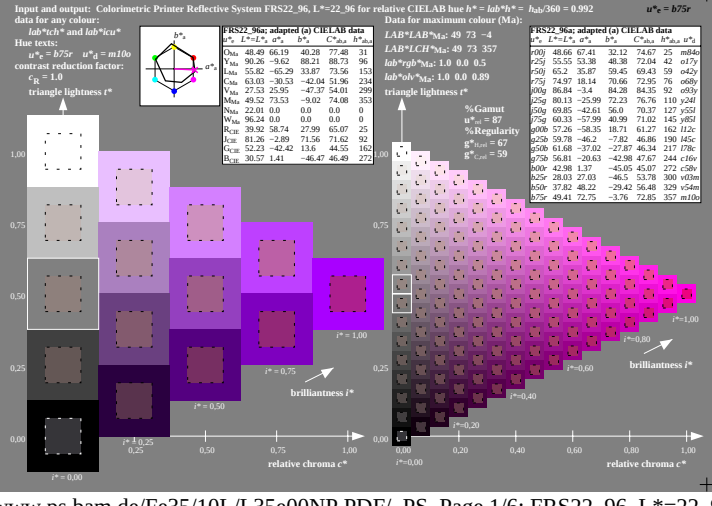

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*E = g50b
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = g50b u*A = I78c
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 62 −37 −28
LAB*LCH*Ma: 62 46 216
lab*rgb*Ma: 0.0 1.0 1.0
lab*olv*Ma: 0.0 1.0 0.79
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*

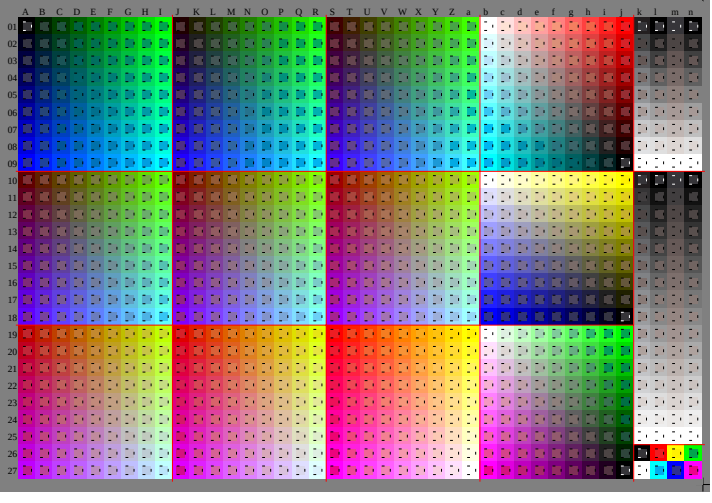

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*E = g75b
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = g75b u*A = c16v
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 −21 −43
LAB*LCH*Ma: 57 48 244
lab*rgb*Ma: 0.0 0.5 1.0
lab*olv*Ma: 0.0 0.84 1.0
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*E = b00r
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = b00r u*A = c58v
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 43 1 −45
LAB*LCH*Ma: 43 45 271
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.42 1.0
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*E = b25r
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = b25r u*A = v03m
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 28 27 −46
LAB*LCH*Ma: 28 54 300
lab*rgb*Ma: 0.5 0.0 1.0
lab*olv*Ma: 0.03 0.0 1.0
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*E = b50r
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = b50r u*A = v54m
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 48 −29
LAB*LCH*Ma: 38 56 328
lab*rgb*Ma: 1.0 0.0 1.0
lab*olv*Ma: 0.55 0.0 1.0
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*


Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*E = b75r
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u*E = b75r u*A = m10o
contrast reduction factor:
cB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 49 73 −4
LAB*LCH*Ma: 49 73 357
lab*rgb*Ma: 1.0 0.0 0.5
lab*olv*Ma: 1.0 0.0 0.89
%Gamut
u*sol = 87
%Regularity
g*L,sol = 67
g*C,sol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*

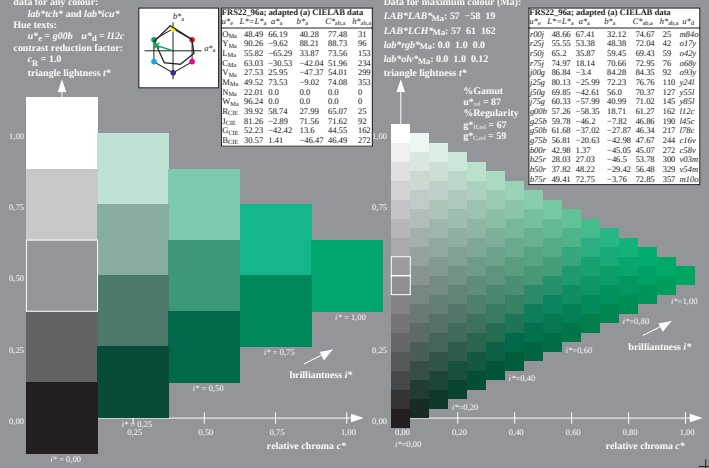


Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_E = g00b$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = g00b$ $u^*_\Delta = I12c$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 57 −58 19
*LAB*LCH*$^*_{Ma}$: 57 61 162
*lab*rgb*$^*_{Ma}$: 0.0 1.0 0.0
*lab*olv*$^*_{Ma}$: 0.0 1.0 0.12
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

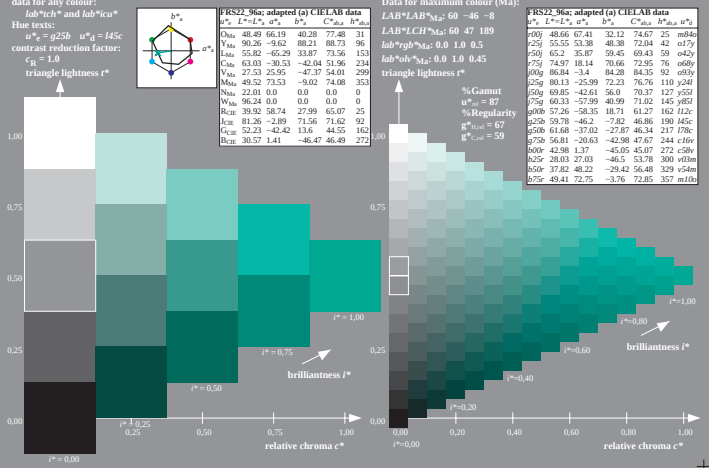
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_E = g25b$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = g25b$ $u^*_\Delta = I45c$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 60 −46 −8
*LAB*LCH*$^*_{Ma}$: 60 47 189
*lab*rgb*$^*_{Ma}$: 0.0 1.0 0.5
*lab*olv*$^*_{Ma}$: 0.0 1.0 0.45
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

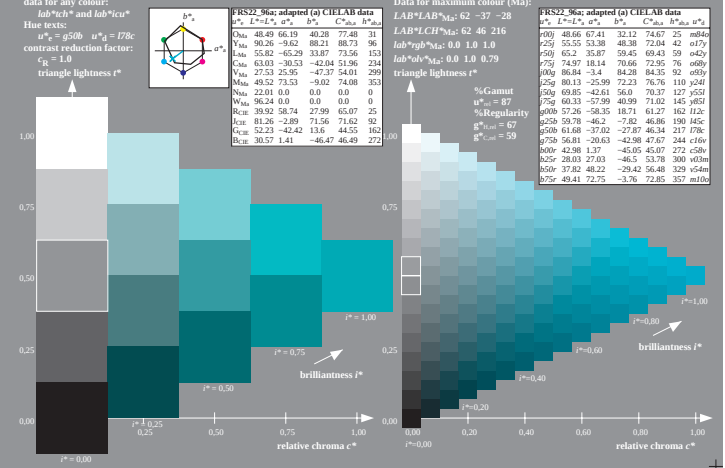
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_E = g50b$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = g50b$ $u^*_\Delta = I78c$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 62 −37 −28
*LAB*LCH*$^*_{Ma}$: 62 46 216
*lab*rgb*$^*_{Ma}$: 0.0 1.0 1.0
*lab*olv*$^*_{Ma}$: 0.0 1.0 0.79
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

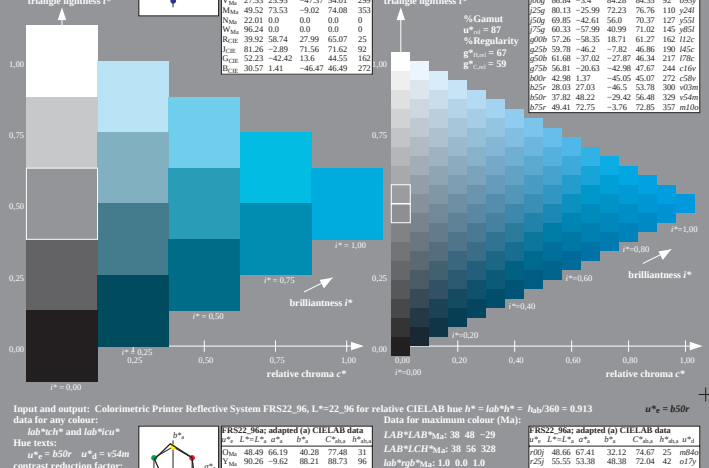
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_E = g75b$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = g75b$ $u^*_\Delta = c16v$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 57 −21 −43
*LAB*LCH*$^*_{Ma}$: 57 48 244
*lab*rgb*$^*_{Ma}$: 0.0 0.5 1.0
*lab*olv*$^*_{Ma}$: 0.0 0.84 1.0
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

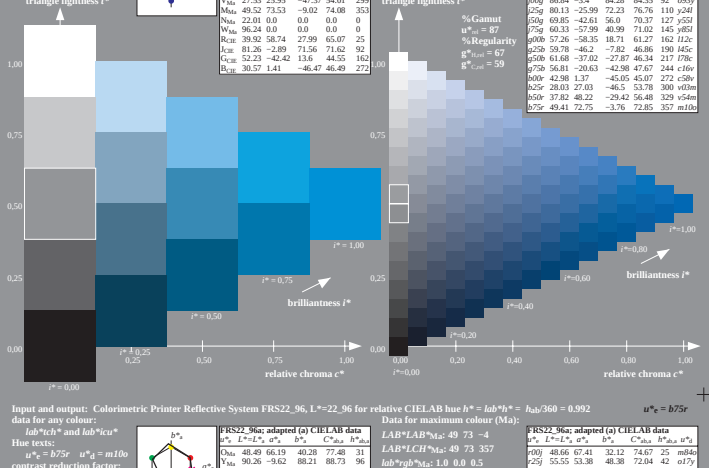
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_E = b00r$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = b00r$ $u^*_\Delta = c58v$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 43 1 −45
*LAB*LCH*$^*_{Ma}$: 43 45 271
*lab*rgb*$^*_{Ma}$: 0.0 0.0 1.0
*lab*olv*$^*_{Ma}$: 0.0 0.42 1.0
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

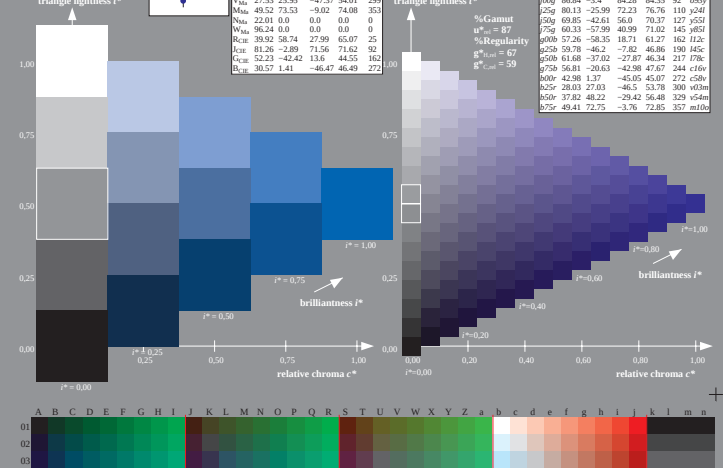
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_E = b25r$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = b25r$ $u^*_\Delta = v03m$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 28 27 −46
*LAB*LCH*$^*_{Ma}$: 28 54 300
*lab*rgb*$^*_{Ma}$: 0.5 0.0 1.0
*lab*olv*$^*_{Ma}$: 0.03 0.0 1.0
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

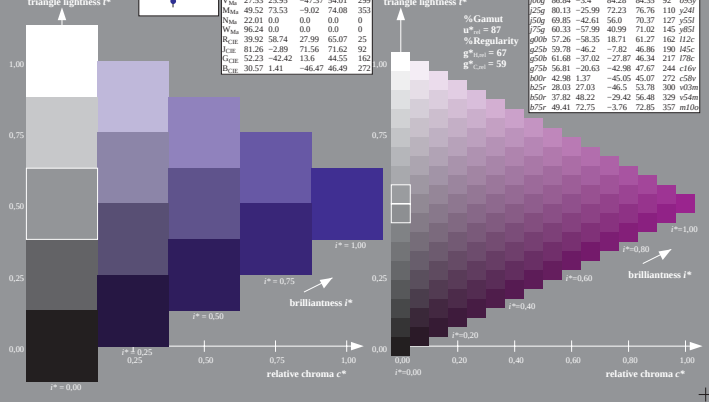
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_E = b50r$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = b50r$ $u^*_\Delta = v54m$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 38 48 −29
*LAB*LCH*$^*_{Ma}$: 38 56 328
*lab*rgb*$^*_{Ma}$: 1.0 0.0 1.0
*lab*olv*$^*_{Ma}$: 0.55 0.0 1.0
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$




FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

FRS22_96a; adapted (a) CIELAB data

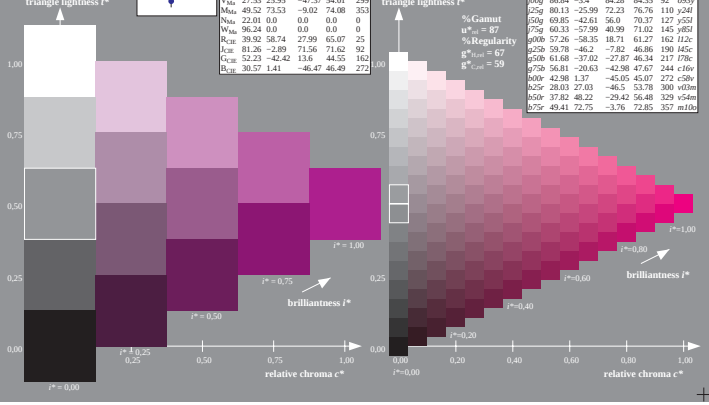
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |

Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_E = b75r$

data for any colour: *lab*ch** and *lab*icu**
Hue texts: $u^*_E = b75r$ $u^*_\Delta = m10o$
contrast reduction factor: $c_{IB} = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 49 73 −4
*LAB*LCH*$^*_{Ma}$: 49 73 357
*lab*rgb*$^*_{Ma}$: 1.0 0.0 0.5
*lab*olv*$^*_{Ma}$: 1.0 0.0 0.89
triangle lightness $t^*$

%Gamut $u^*_{vol} = 87$
%Regularity $g^*_{ILuni} = 67$ $g^*_{C,uni} = 59$

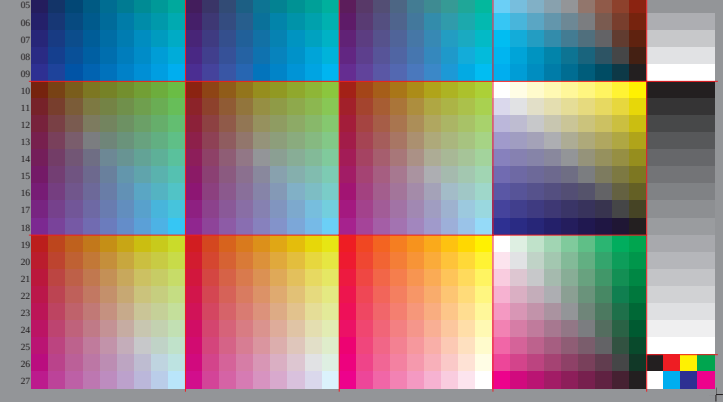


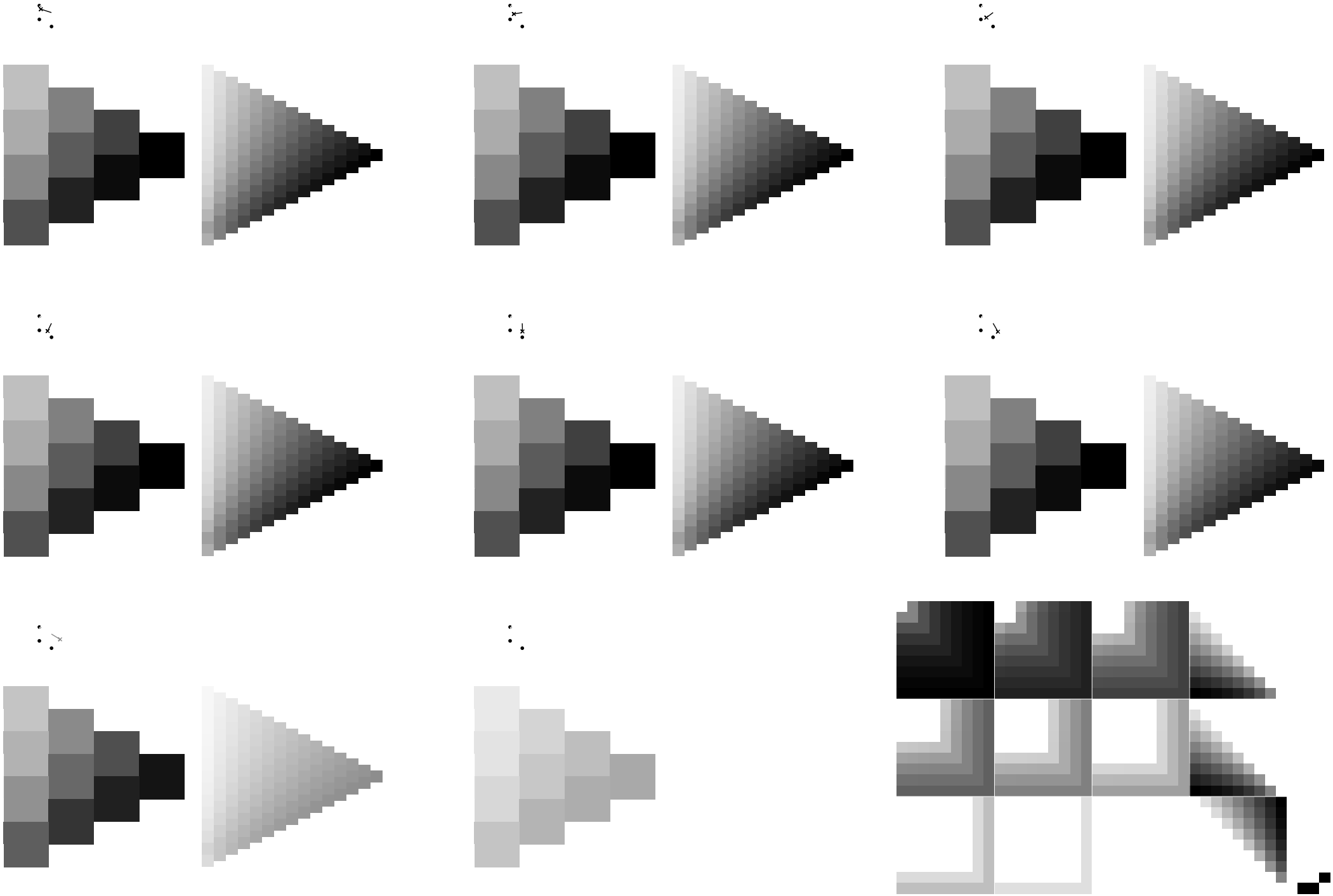

FRS22_96a; adapted (a) CIELAB data

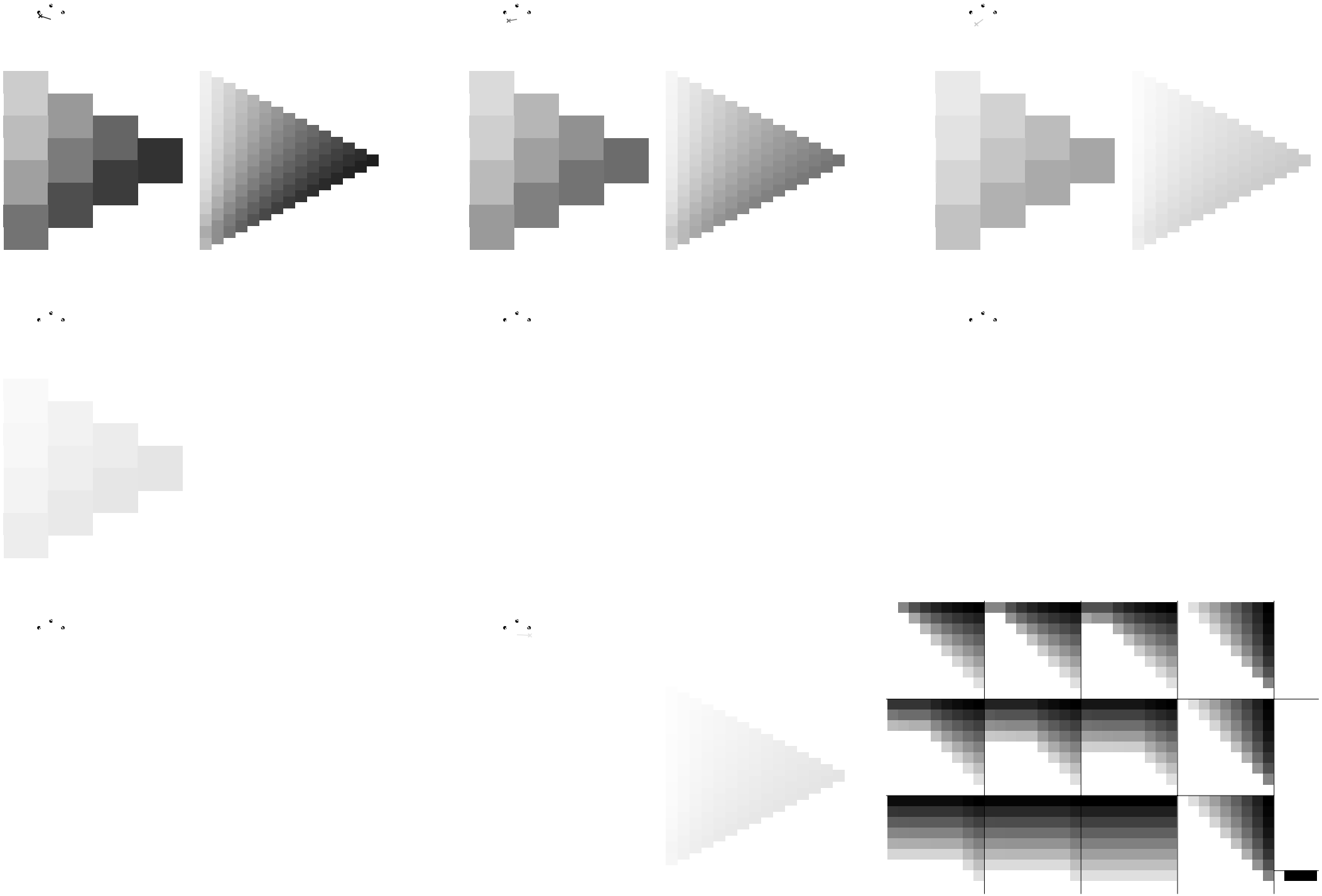
| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 48.49 | 66.19 | 40.28 | 77.48 | 31 | |
| $Y_{Ma}$ | 90.26 | −9.62 | 88.21 | 88.73 | 96 | |
| $L_{Ma}$ | 55.82 | −65.29 | 33.87 | 73.56 | 153 | |
| $C_{Ma}$ | 63.03 | −30.53 | −42.04 | 51.96 | 234 | |
| $V_{Ma}$ | 27.53 | 25.95 | −47.37 | 54.01 | 299 | |
| $M_{Ma}$ | 49.52 | 73.53 | −9.02 | 74.08 | 353 | |
| $N_{Ma}$ | 22.01 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 96.24 | 0.0 | 0.0 | 0.0 | 0 | |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $J_{CIE}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $C_{CIE}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $B_{CIE}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

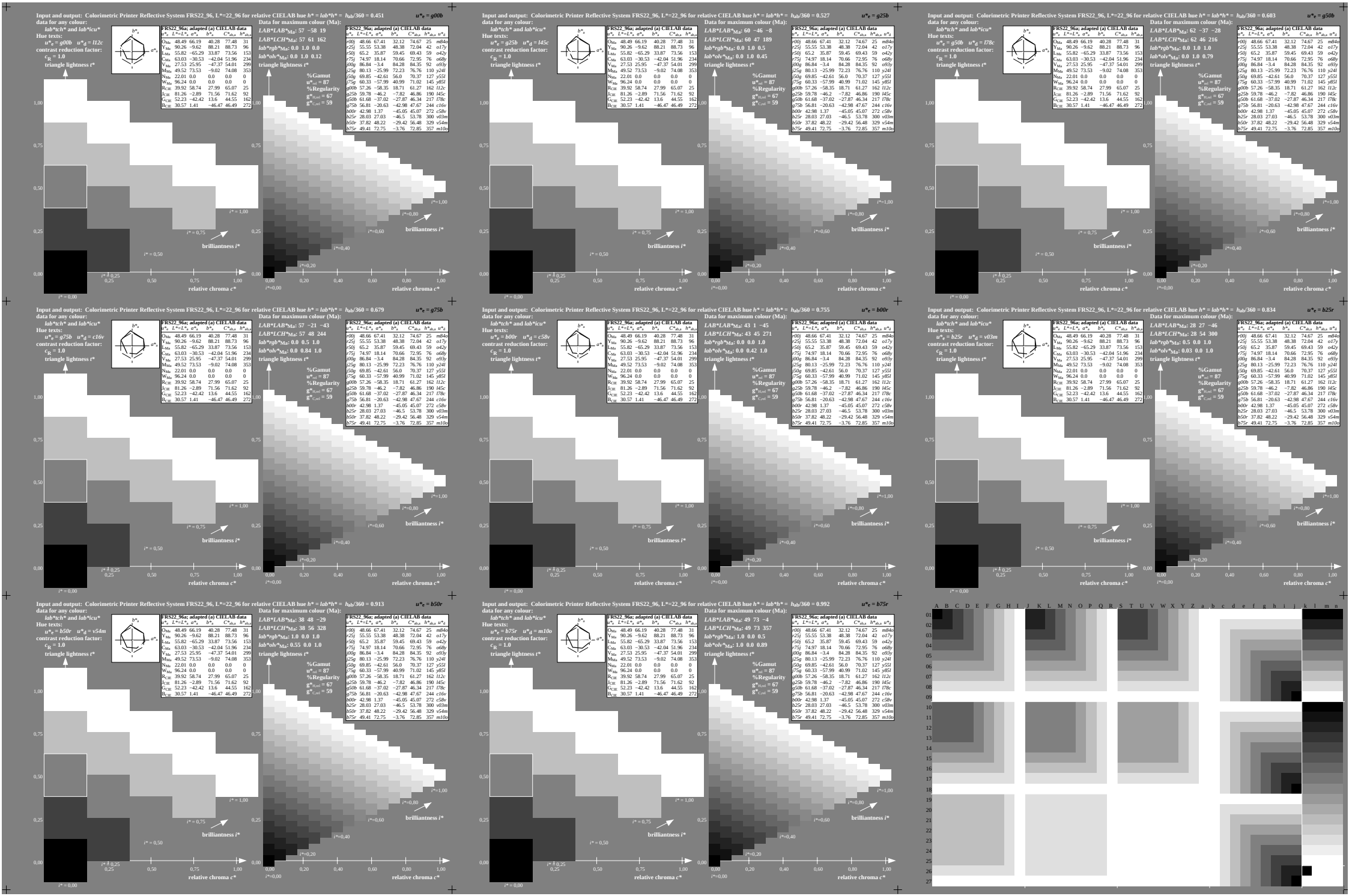
FRS22_96a; adapted (a) CIELAB data

| $u^*_E$ | $L^*=L^*_E$ | $a^*_E$ | $b^*_E$ | $C^*_{ab,E}$ | $h^*_{ab,E}$ | $u^*_\Delta$ |
|---|---|---|---|---|---|---|
| r00j | 48.66 | 67.41 | 32.12 | 74.67 | 25 | m84o |
| r25j | 55.55 | 53.38 | 48.38 | 72.04 | 42 | o17y |
| r50j | 65.2 | 35.87 | 59.45 | 69.43 | 59 | o42y |
| r75j | 74.97 | 18.14 | 70.66 | 72.95 | 76 | o68y |
| g00g | 86.84 | −3.4 | 84.28 | 84.35 | 92 | o93y |
| g25g | 80.13 | −25.99 | 72.23 | 76.76 | 110 | y24l |
| g50g | 69.85 | −42.61 | 56.0 | 70.37 | 127 | y55l |
| g75g | 60.33 | −57.99 | 40.99 | 71.02 | 145 | y85l |
| g00b | 57.26 | −58.35 | 18.71 | 61.27 | 162 | l12c |
| g25b | 59.78 | −46.2 | −7.82 | 46.86 | 190 | l45c |
| g50b | 61.68 | −37.02 | −27.87 | 46.34 | 217 | l78c |
| g75b | 56.81 | −20.63 | −42.98 | 47.67 | 244 | c16v |
| b00r | 42.98 | 1.37 | −45.05 | 45.07 | 272 | c58v |
| b25r | 28.03 | 27.03 | −46.5 | 53.78 | 300 | v03m |
| b50r | 37.82 | 48.22 | −29.42 | 56.48 | 329 | v54m |
| b75r | 49.41 | 72.75 | −3.76 | 72.85 | 357 | m10o |








Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.451
u*E = g00b
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = g00b u*Δ = I12c
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 −58 19
LAB*LCH*Ma: 57 61 162
lab*rgb*Ma: 0.0 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.12
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.527
u*E = g25b
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = g25b u*Δ = I45c
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 60 −46 −8
LAB*LCH*Ma: 60 47 189
lab*rgb*Ma: 0.0 1.0 0.5
lab*olv*Ma: 0.0 1.0 0.45
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.603
u*E = g50b
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = g50b u*Δ = I78c
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 62 −37 −28
LAB*LCH*Ma: 62 46 216
lab*rgb*Ma: 0.0 1.0 1.0
lab*olv*Ma: 0.0 1.0 0.79
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.679
u*E = g75b
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = g75b u*Δ = c16v
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 −21 −43
LAB*LCH*Ma: 57 48 244
lab*rgb*Ma: 0.0 0.5 1.0
lab*olv*Ma: 0.0 0.84 1.0
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.755
u*E = b00r
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = b00r u*Δ = c58v
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 43 1 −45
LAB*LCH*Ma: 43 45 271
lab*rgb*Ma: 0.0 0.0 1.0
lab*olv*Ma: 0.0 0.42 1.0
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.834
u*E = b25r
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = b25r u*Δ = v03m
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 28 27 −46
LAB*LCH*Ma: 28 54 300
lab*rgb*Ma: 0.5 0.0 1.0
lab*olv*Ma: 0.03 0.0 1.0
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.913
u*E = b50r
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = b50r u*Δ = v54m
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 48 −29
LAB*LCH*Ma: 38 56 328
lab*rgb*Ma: 1.0 0.0 1.0
lab*olv*Ma: 0.55 0.0 1.0
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS22_96, L*=22_96 for relative CIELAB hue h* = lab*h* = hab/360 = 0.992
u*E = b75r
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*E = b75r u*Δ = m10o
contrast reduction factor:
cIB = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 49 73 −4
LAB*LCH*Ma: 49 73 357
lab*rgb*Ma: 1.0 0.0 0.5
lab*olv*Ma: 1.0 0.0 0.89
triangle lightness t*
%Gamut
u*sol = 87
%Regularity
g*IL,ol = 67
g*C,ol = 59
FRS22_96a; adapted (a) CIELAB data
FRS22_96a; adapted (a) CIELAB data
brilliantness i*
relative chroma c*
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z a b c d e f g h i j k l m n
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27