Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g00b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

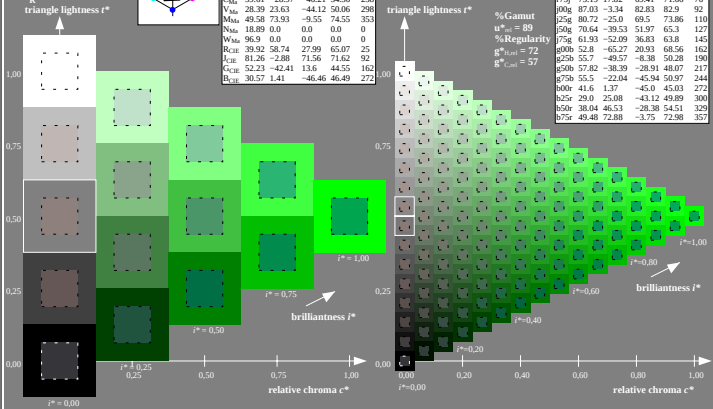
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −64 21
*LAB*LCH**$_{Ma}$: 53 69 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g25b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

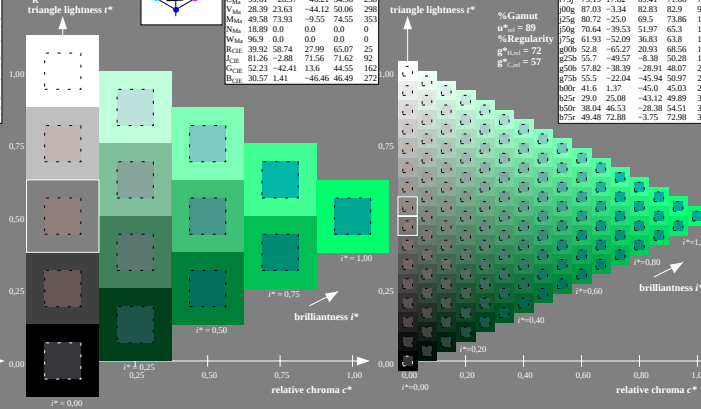
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 −49 −7
*LAB*LCH**$_{Ma}$: 56 50 190
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.44
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g50b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

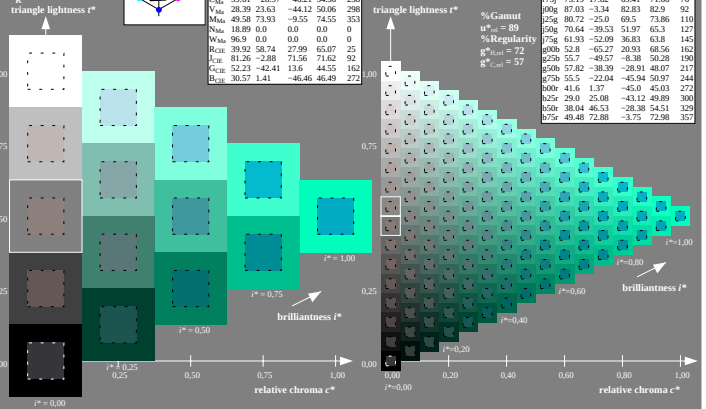
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 58 −37 −28
*LAB*LCH**$_{Ma}$: 58 48 217
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.74
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g75b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

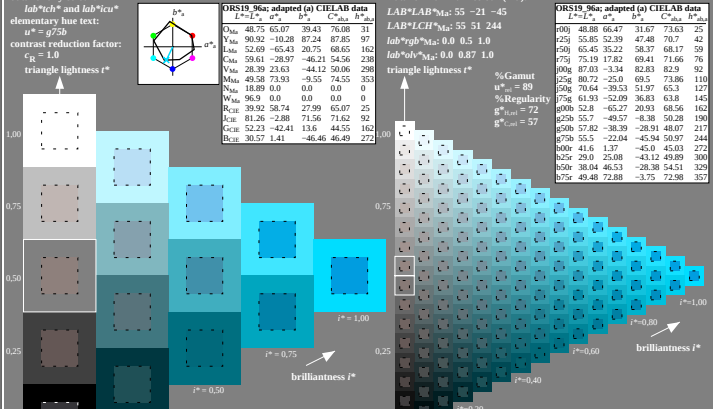
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −45
*LAB*LCH**$_{Ma}$: 55 51 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.87 1.0
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b00r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

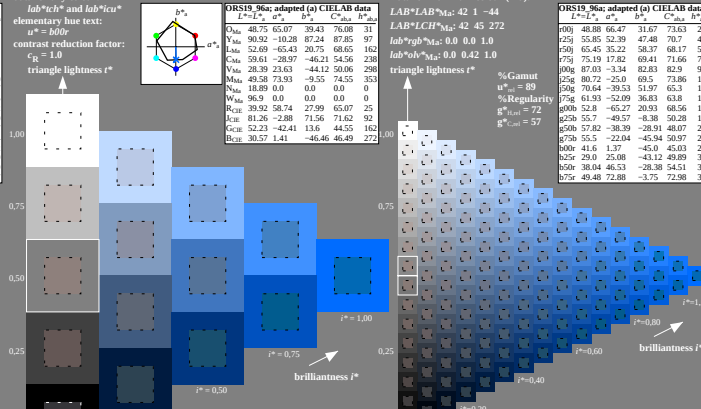
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −44
*LAB*LCH**$_{Ma}$: 42 45 272
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.42 1.0
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b25r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

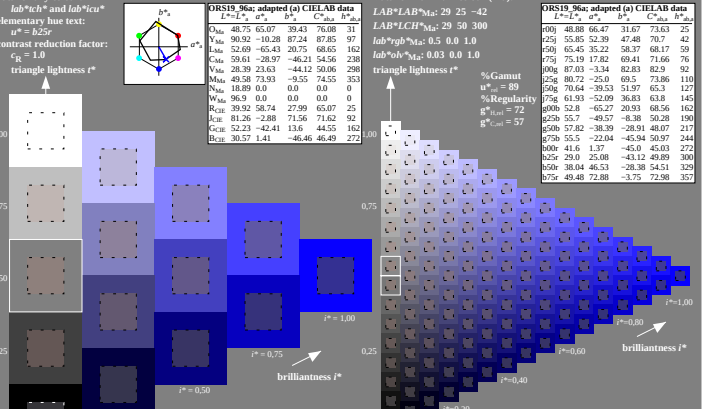
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 29 25 −42
*LAB*LCH**$_{Ma}$: 29 50 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.03 0.0 1.0
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b50r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

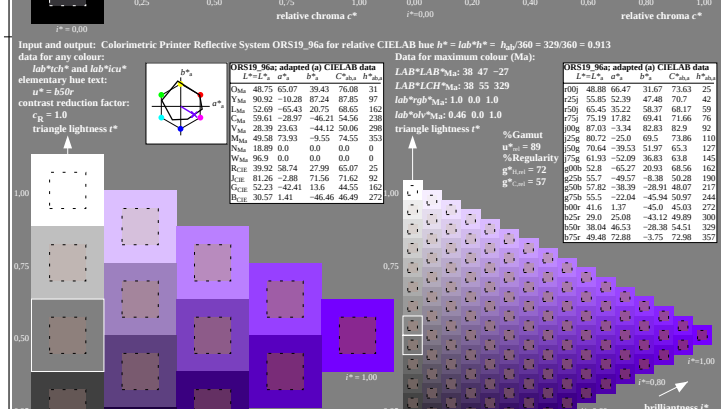
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 47 −27
*LAB*LCH**$_{Ma}$: 38 55 329
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.46 0.0 1.0
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |







Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b75r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

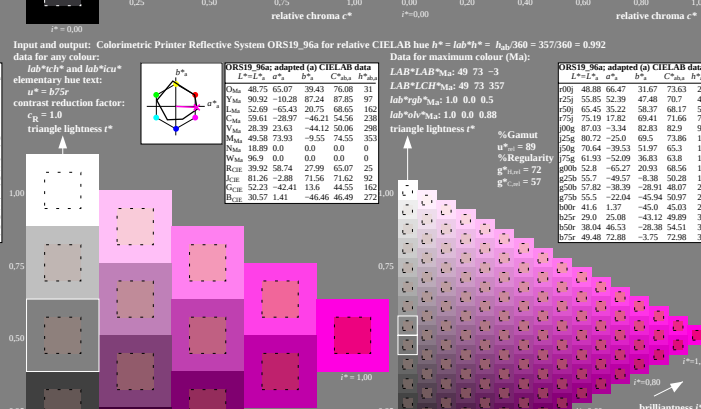
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 73 −3
*LAB*LCH**$_{Ma}$: 49 73 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.88
triangle lightness $t^*$

%Gamut
$u^*_{col} = 89$
%Regularity
$g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

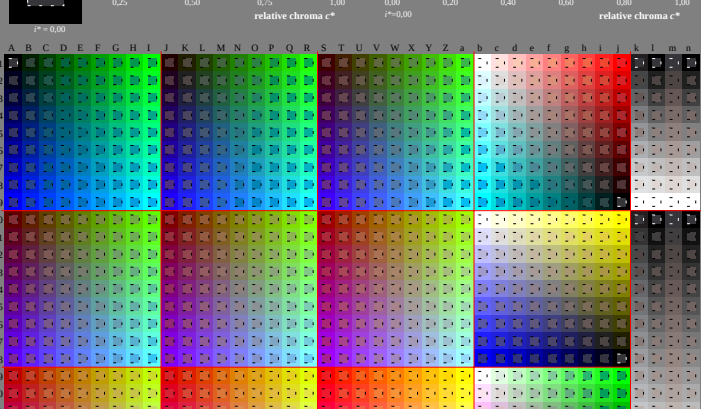
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |









Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g00b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

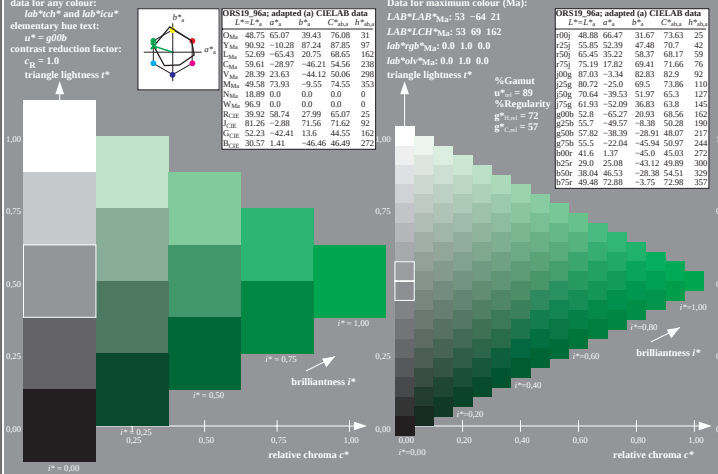
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 53 −64 21
*LAB*LCH**$_{Ma}$: 53 69 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
triangle lightness $t^*$

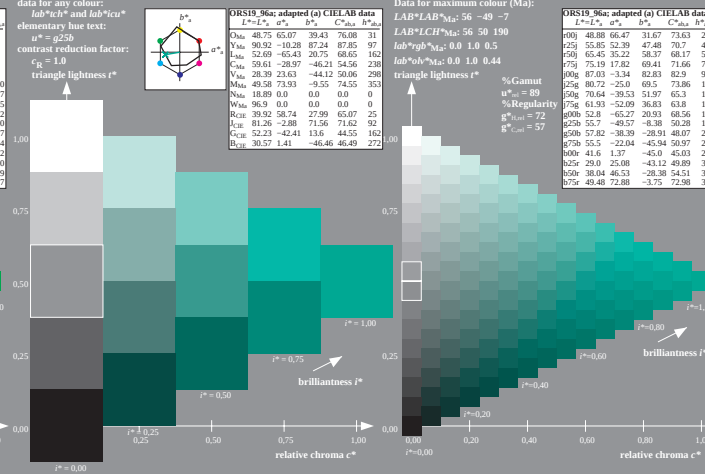
%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g25b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 56 −49 −7
*LAB*LCH**$_{Ma}$: 56 50 190
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.44
triangle lightness $t^*$

%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g50b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

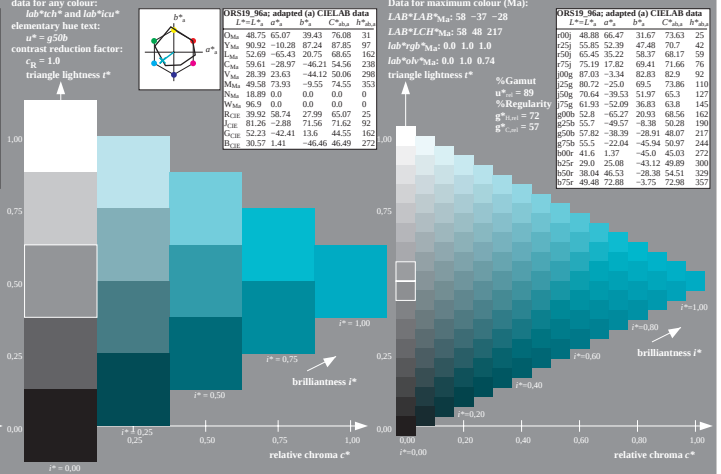
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 58 −37 −28
*LAB*LCH**$_{Ma}$: 58 48 217
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.74
triangle lightness $t^*$

%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g75b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

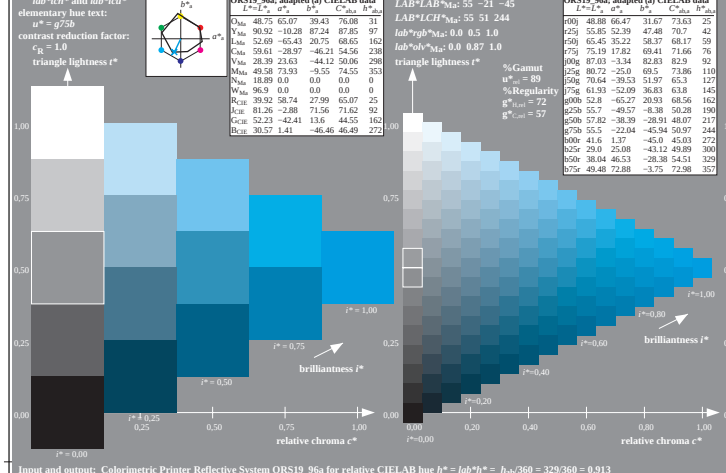
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −21 −45
*LAB*LCH**$_{Ma}$: 55 51 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.87 1.0
triangle lightness $t^*$

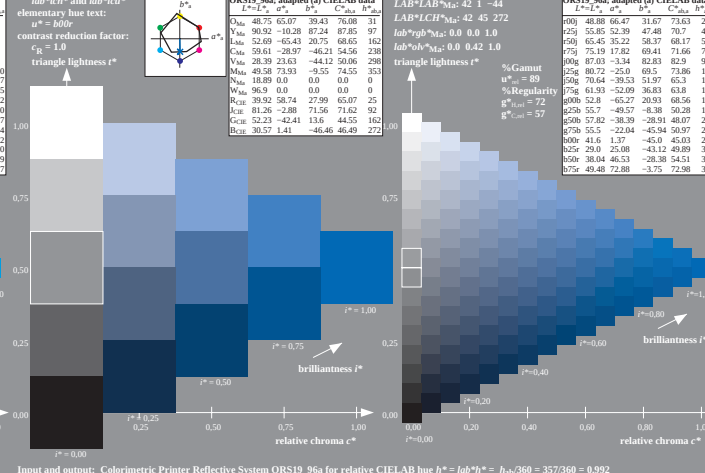
%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b00r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 1 −44
*LAB*LCH**$_{Ma}$: 42 45 272
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.42 1.0
triangle lightness $t^*$

%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b25r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

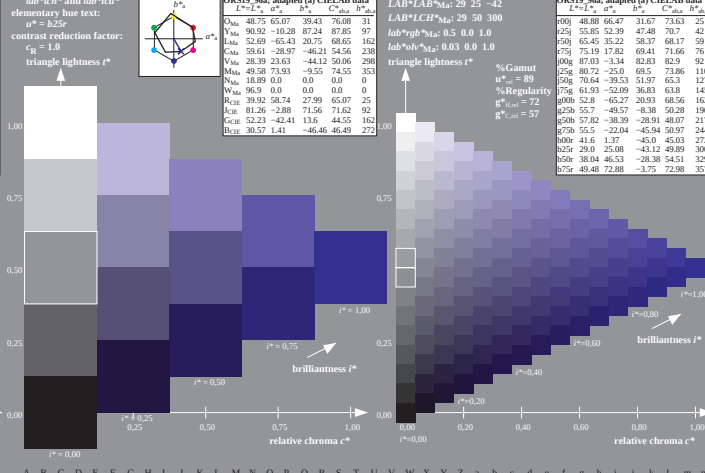
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 29 25 −42
*LAB*LCH**$_{Ma}$: 29 50 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.03 0.0 1.0
triangle lightness $t^*$

%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b50r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

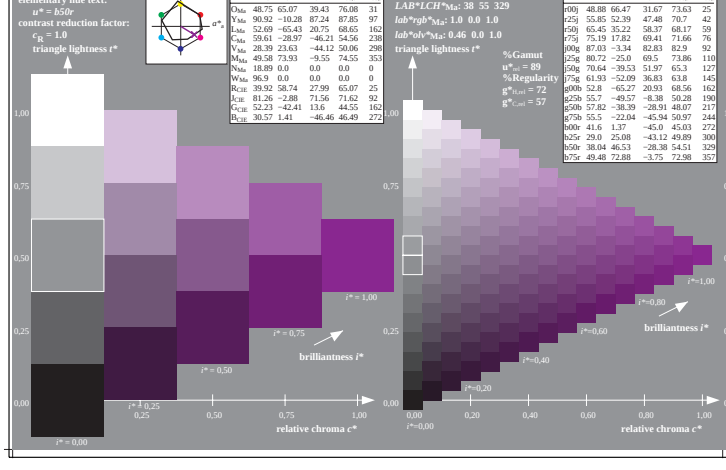
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 47 −27
*LAB*LCH**$_{Ma}$: 38 55 329
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.46 0.0 1.0
triangle lightness $t^*$

%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b75r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

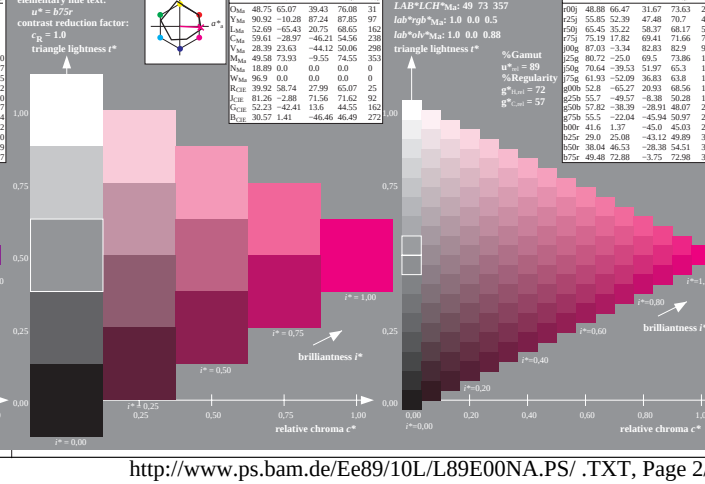
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 49 73 −3
*LAB*LCH**$_{Ma}$: 49 73 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.88
triangle lightness $t^*$

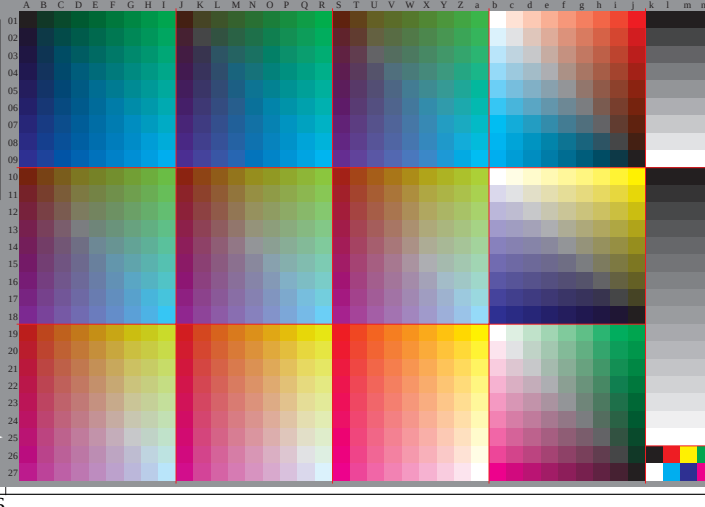
%Gamut $u^*_{col} = 89$
%Regularity
$g^*_{H,rel} = 72$
$g^*_{C,rel} = 57$

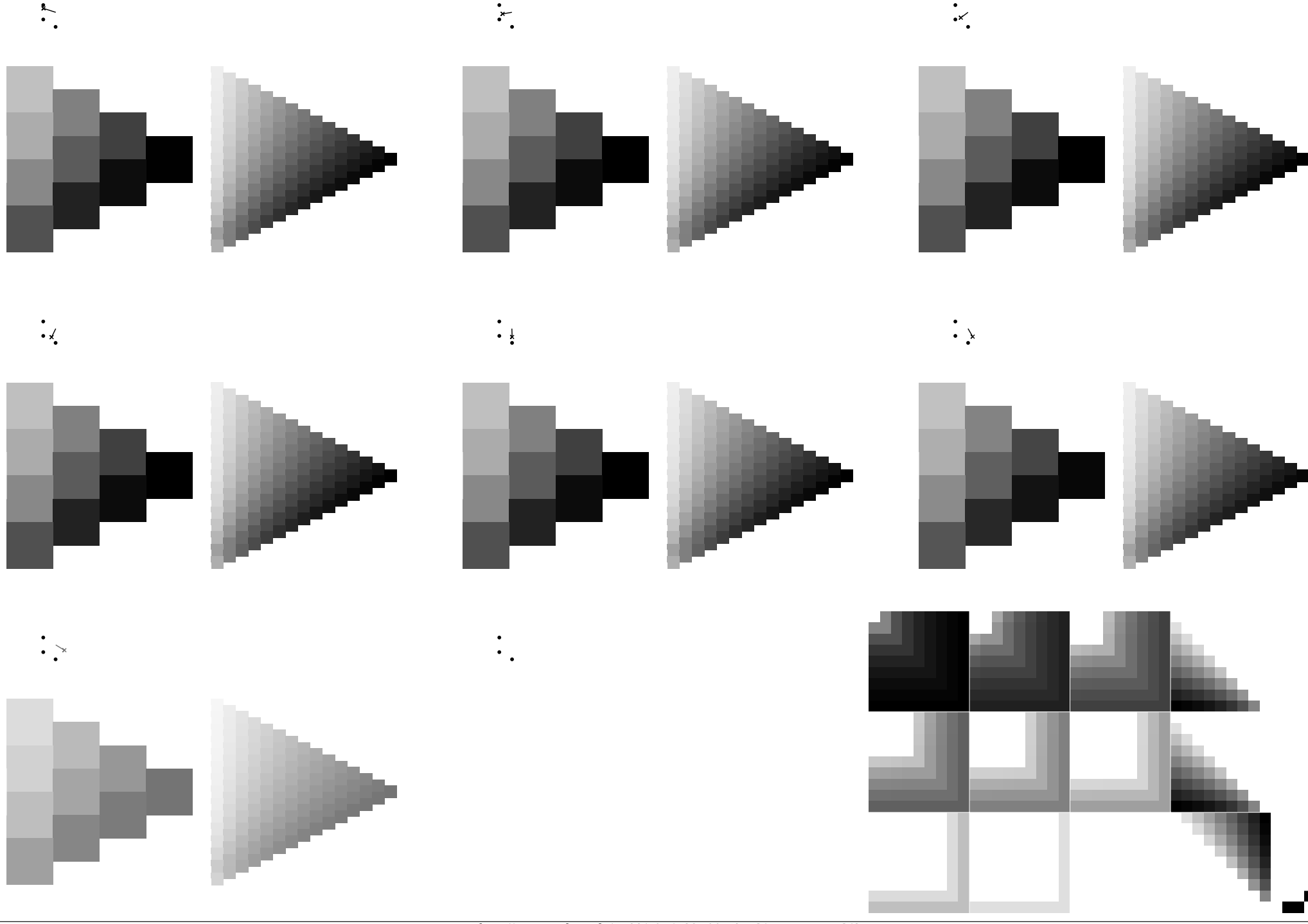
ORS19_96a; adapted (a) CIELAB data

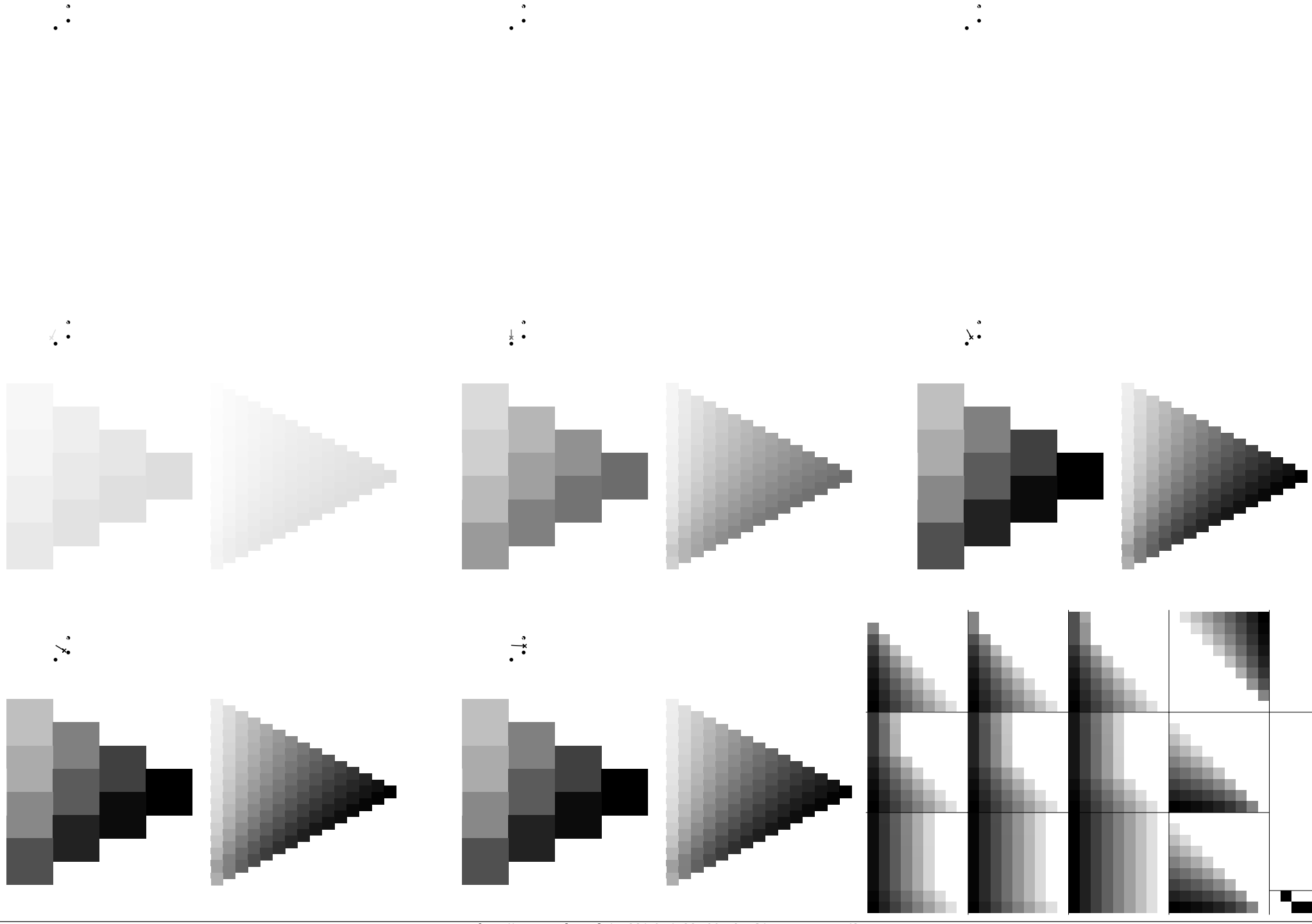
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Mo}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Mo}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Mo}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Mo}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Mo}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Mo}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Mo}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Mo}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

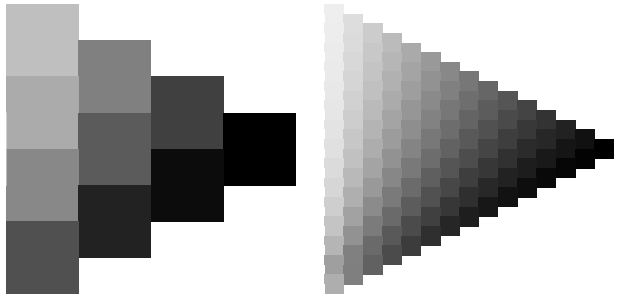
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00 | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25 | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50 | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75 | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| g00 | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| g25 | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| g50 | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| g75 | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00 | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25 | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50 | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75 | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00 | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25 | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50 | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75 | 49.48 | 72.88 | −3.75 | 72.98 | 357 |

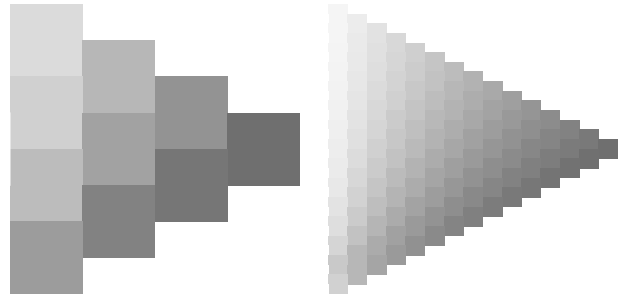


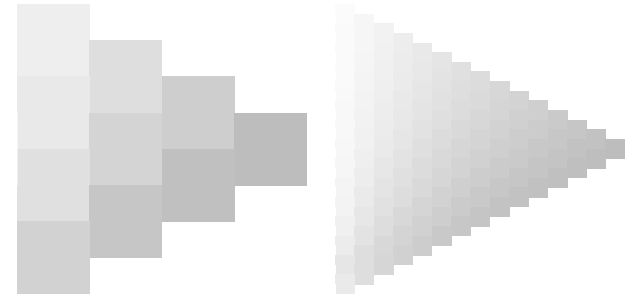



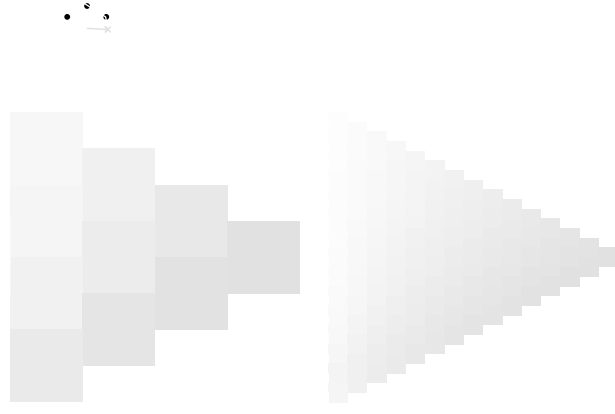


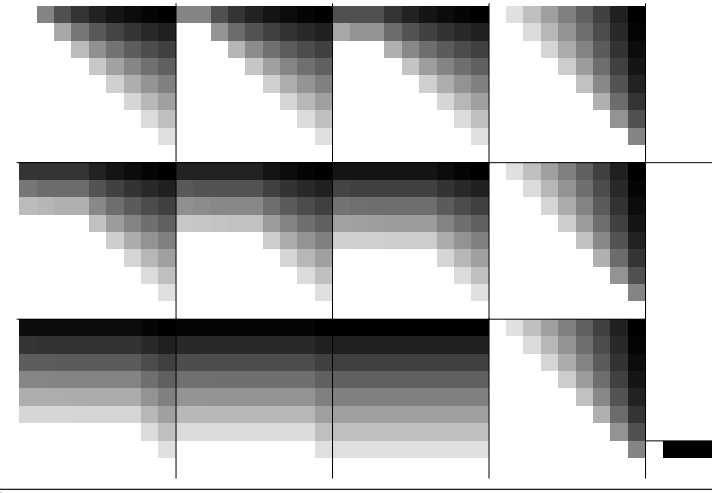












Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g00b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

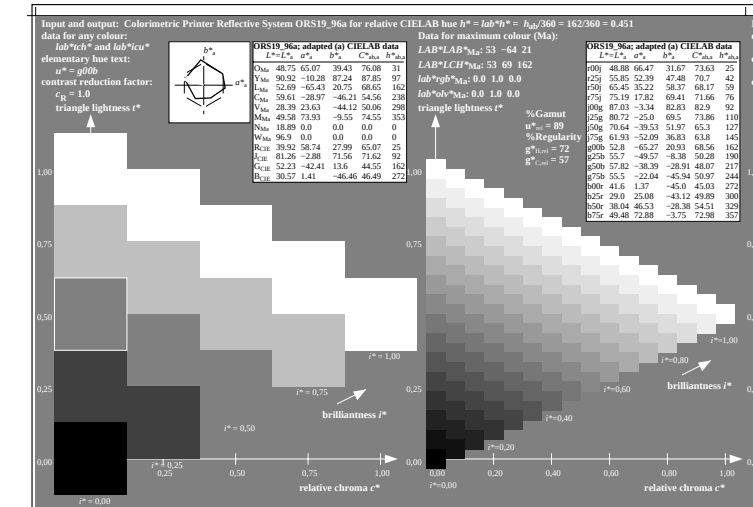
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −64 21
$LAB^*LCH^*_{Ma}$: 53 69 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g25b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

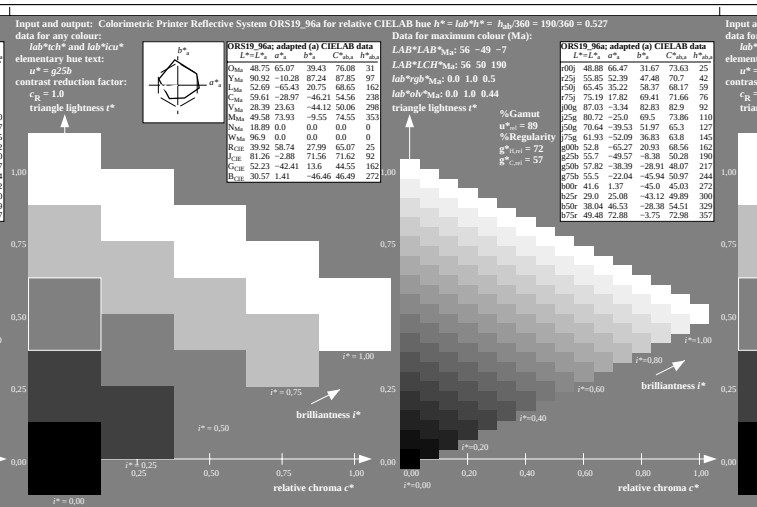
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 56 −49 −7
$LAB^*LCH^*_{Ma}$: 56 50 190
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.44

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g50b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

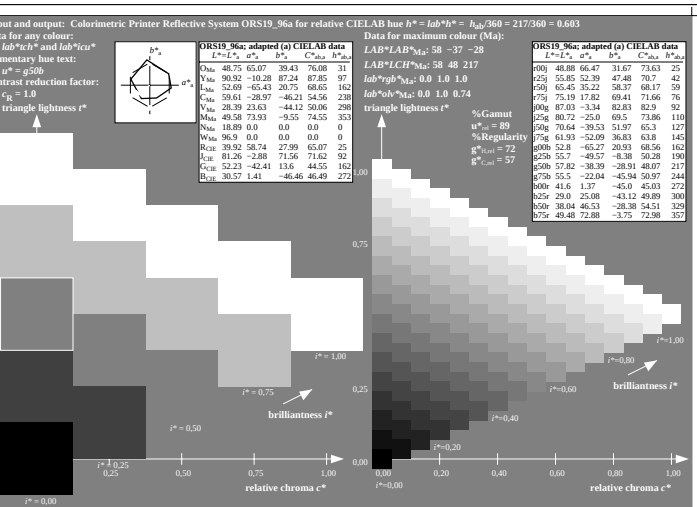
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 −37 −28
$LAB^*LCH^*_{Ma}$: 58 48 217
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.74

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = g75b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

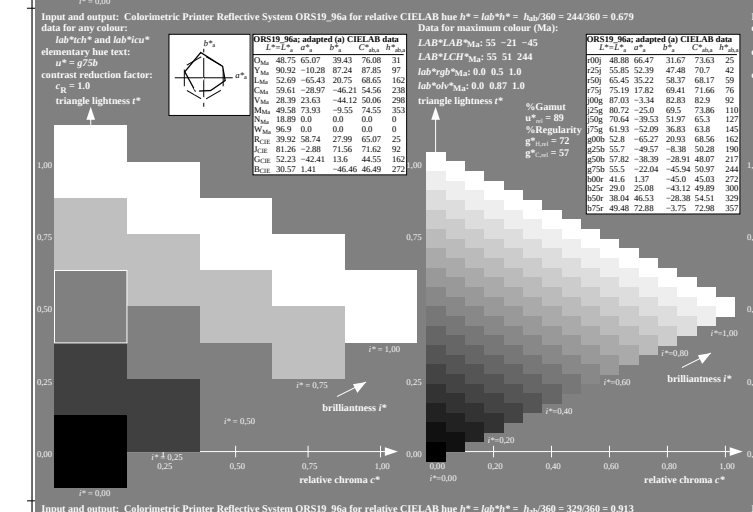
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 55 −21 −45
$LAB^*LCH^*_{Ma}$: 55 51 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.87 1.0

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b00r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

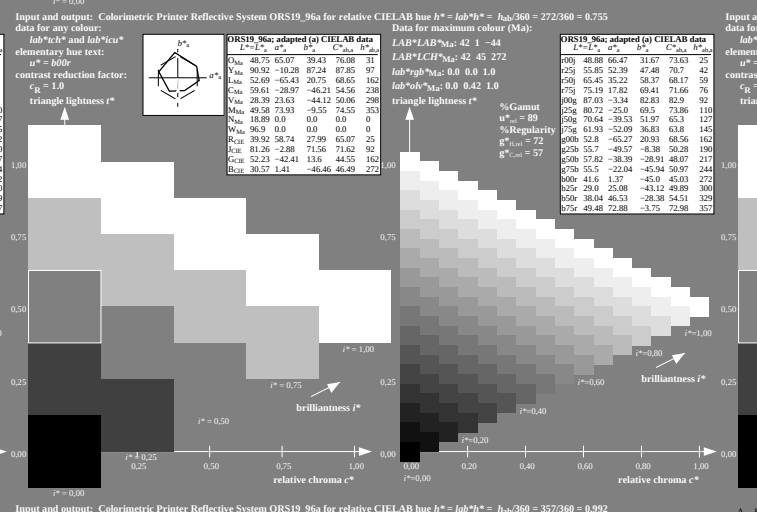
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 42 1 −44
$LAB^*LCH^*_{Ma}$: 42 45 272
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.42 1.0

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b25r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

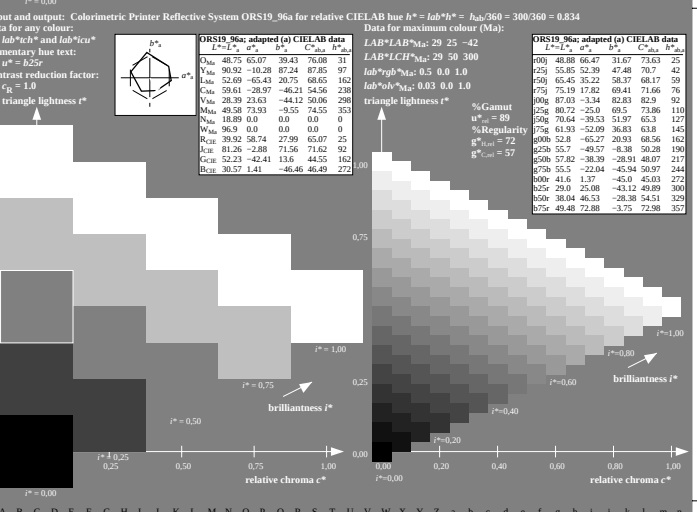
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 29 25 −42
$LAB^*LCH^*_{Ma}$: 29 50 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.03 0.0 1.0

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b50r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

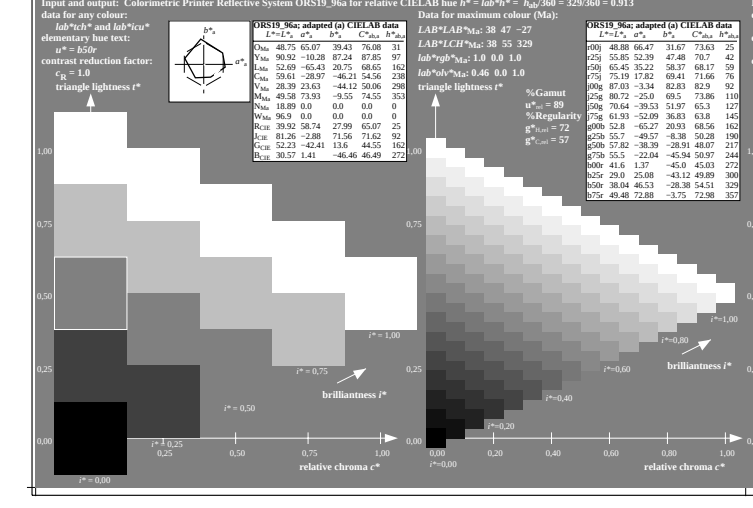
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 47 −27
$LAB^*LCH^*_{Ma}$: 38 55 329
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.46 0.0 1.0

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |




Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:
*lab*tch** and *lab*icu**
elementary hue text:
$u^* = b75r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness $t^*$

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 49 73 −3
$LAB^*LCH^*_{Ma}$: 49 73 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.88

%Gamut $u^*_{col} = 89$
%Regularity $g^*_{H,col} = 72$
$g^*_{C,col} = 57$

ORS19_96a; adapted (a) CIELAB data

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 48.75 | 65.07 | 39.43 | 76.08 | 31 |
| $Y_{Ma}$ | 90.92 | −10.28 | 87.24 | 87.85 | 97 |
| $L_{Ma}$ | 52.69 | −65.43 | 20.75 | 68.65 | 162 |
| $C_{Ma}$ | 59.61 | −28.97 | −46.21 | 54.56 | 238 |
| $V_{Ma}$ | 28.39 | 23.63 | −44.12 | 50.06 | 298 |
| $M_{Ma}$ | 49.58 | 73.93 | −9.55 | 74.55 | 353 |
| $N_{Ma}$ | 18.89 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 96.9 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $J_{CIE}$ | 81.26 | −2.88 | 71.56 | 71.62 | 92 |
| $G_{CIE}$ | 52.23 | −42.41 | 13.6 | 44.55 | 162 |
| $B_{CIE}$ | 30.57 | 1.41 | −46.46 | 46.49 | 272 |

| | $L^=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| r00j | 48.88 | 66.47 | 31.67 | 73.63 | 25 |
| r25j | 55.85 | 52.39 | 47.48 | 70.7 | 42 |
| r50j | 65.45 | 35.22 | 58.37 | 68.17 | 59 |
| r75j | 75.19 | 17.82 | 69.41 | 71.66 | 76 |
| j00g | 87.03 | −3.34 | 82.83 | 82.9 | 92 |
| j25g | 80.72 | −25.0 | 69.5 | 73.86 | 110 |
| j50g | 70.64 | −39.53 | 51.97 | 65.3 | 127 |
| j75g | 61.93 | −52.09 | 36.83 | 63.8 | 145 |
| g00b | 52.8 | −65.27 | 20.93 | 68.56 | 162 |
| g25b | 55.7 | −49.57 | −8.38 | 50.28 | 190 |
| g50b | 57.82 | −38.39 | −28.91 | 48.07 | 217 |
| g75b | 55.5 | −22.04 | −45.94 | 50.97 | 244 |
| b00r | 41.6 | 1.37 | −45.0 | 45.03 | 272 |
| b25r | 29.0 | 25.08 | −43.12 | 49.89 | 300 |
| b50r | 38.04 | 46.53 | −28.38 | 54.51 | 329 |
| b75r | 49.48 | 72.88 | −3.75 | 72.98 | 357 |