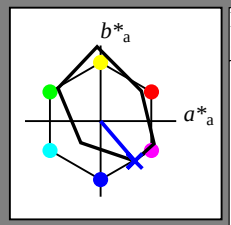
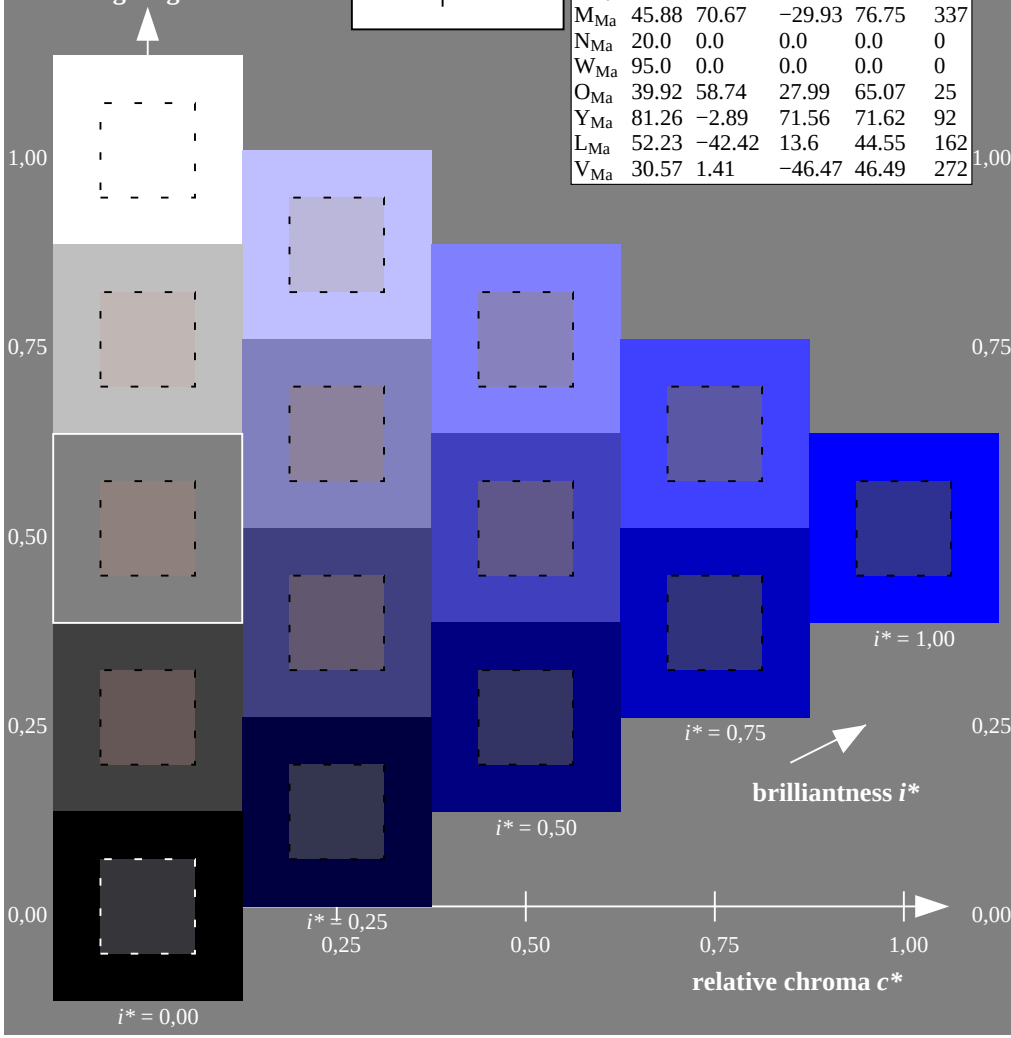
**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863** **$u^*_d$ = *v00m***

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

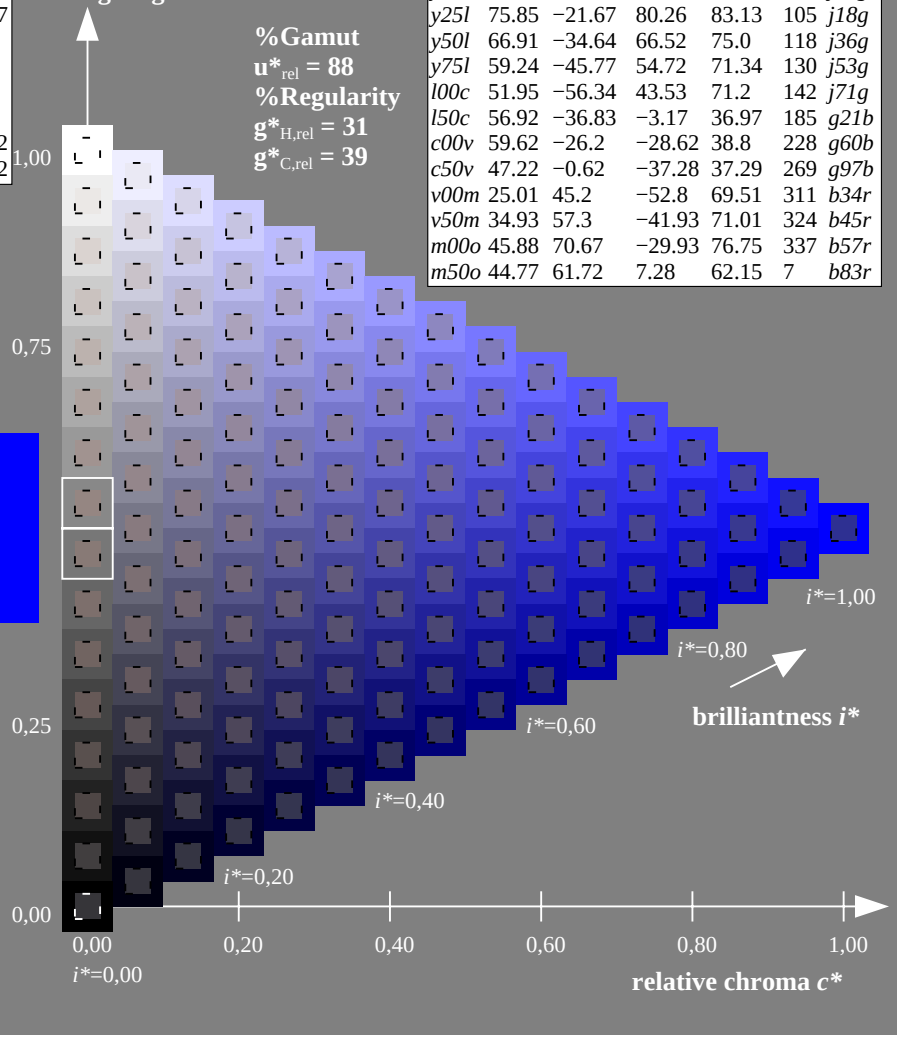



**Data for maximum colour (Ma):**
*LAB*LAB*$_{Ma}$*: 25 45 −53
*LAB*LCH*$_{Ma}$*: 25 70 310
*lab*olv*$_{Ma}$*: 0.0 0.0 1.0
*lab*rgb*$_{Ma}$*: 0.68 0.0 1.0
**triangle lightness *t**

**%Gamut**
**$u^*_{rel}$ = 88**
**%Regularity**
**$g^*_{H,rel}$ = 31**
**$g^*_{C,rel}$ = 39**

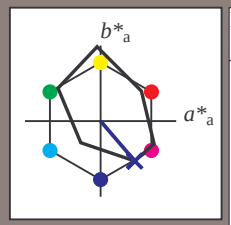
**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863** **$u^*_d$ = *v00m***

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

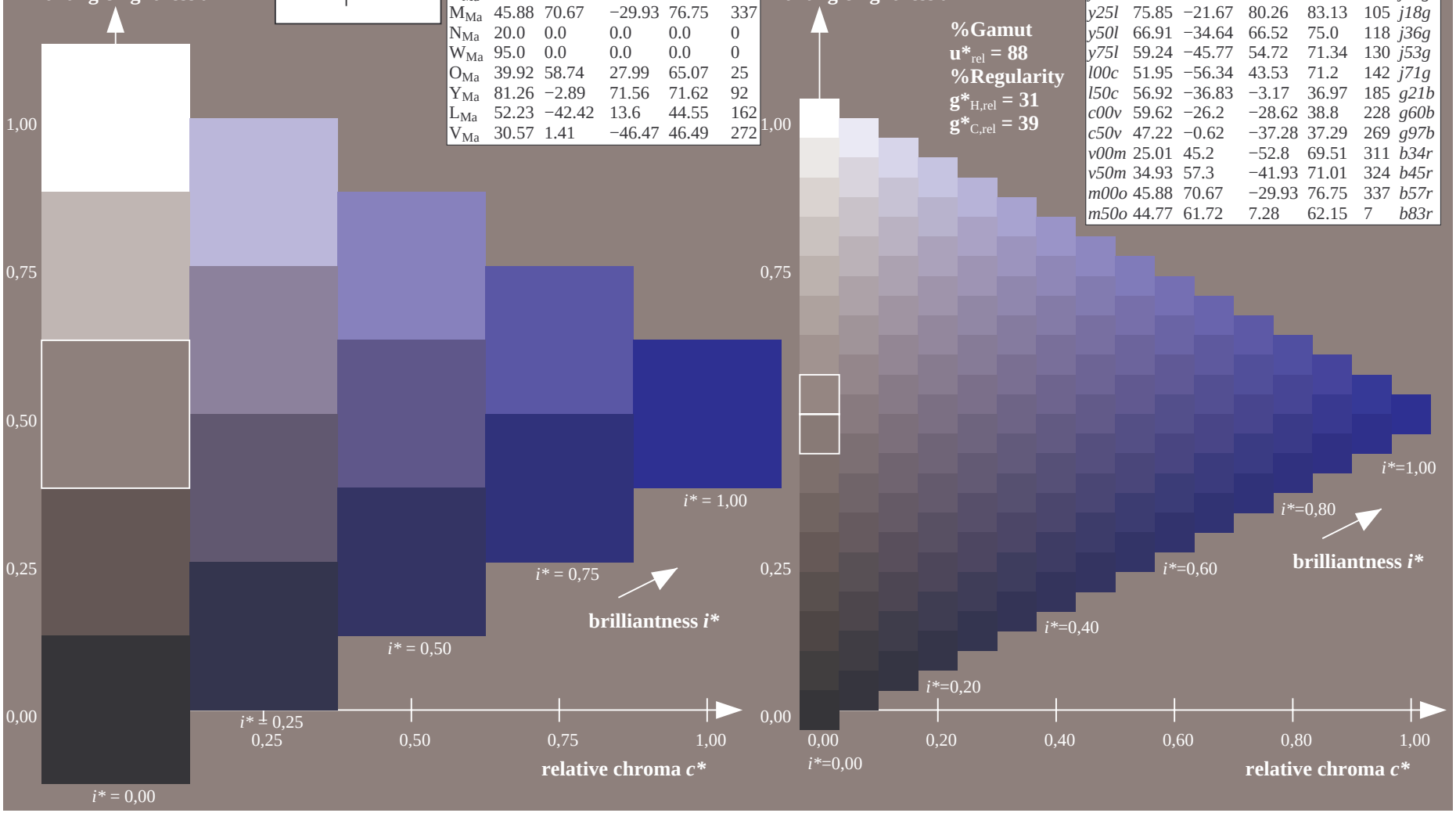
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
***LAB*LAB*$_{Ma}$: 25 45 −53**
***LAB*LCH*$_{Ma}$: 25 70 310**
***lab*olv*$_{Ma}$: 0.0 0.0 1.0**
***lab*rgb*$_{Ma}$: 0.68 0.0 1.0**
**triangle lightness *t****

**%Gamut**
**$u^*_{rel}$ = 88**
**%Regularity**
**$g^*_{H,rel}$ = 31**
**$g^*_{C,rel}$ = 39**

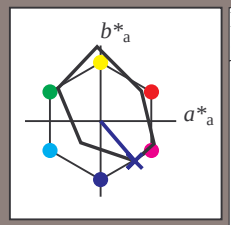
**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

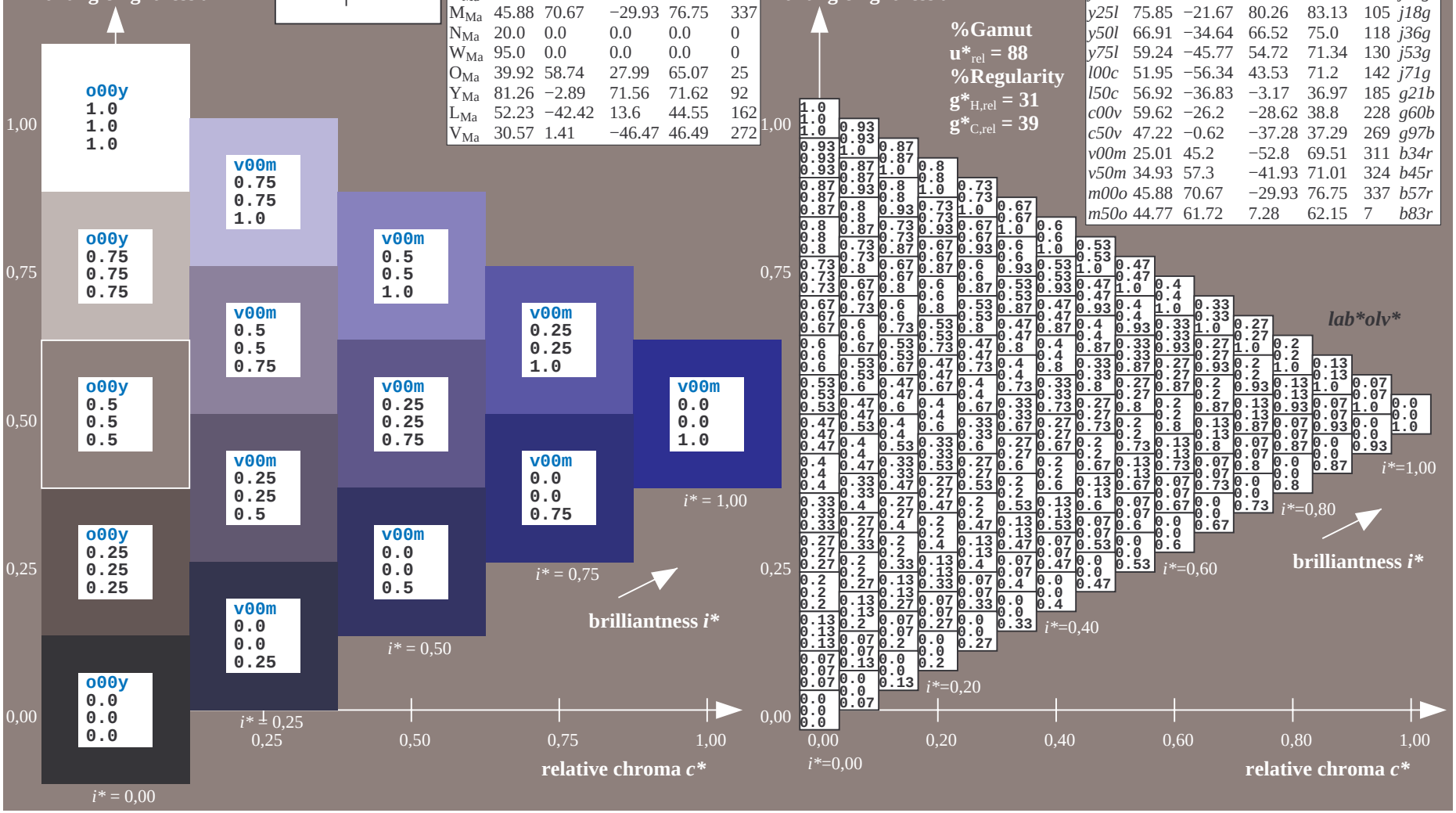
| | $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 | |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 | |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 | |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 | |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 | |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 | |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 | |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 | |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 | |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 | |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 | |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 | |

**Data for maximum colour (Ma):**
***LAB*LAB*_{Ma}**: 25 45 −53
***LAB*LCH*_{Ma}**: 25 70 310
***lab*olv*_{Ma}**: 0.0 0.0 1.0
***lab*rgb*_{Ma}**: 0.68 0.0 1.0
**triangle lightness *t****

**%Gamut**
**$u^*_{rel}$ = 88**
**%Regularity**
**$g^*_{H,rel}$ = 31**
**$g^*_{C,rel}$ = 39**

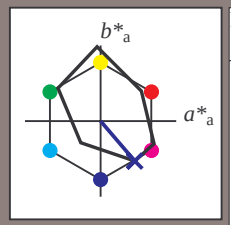
**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |



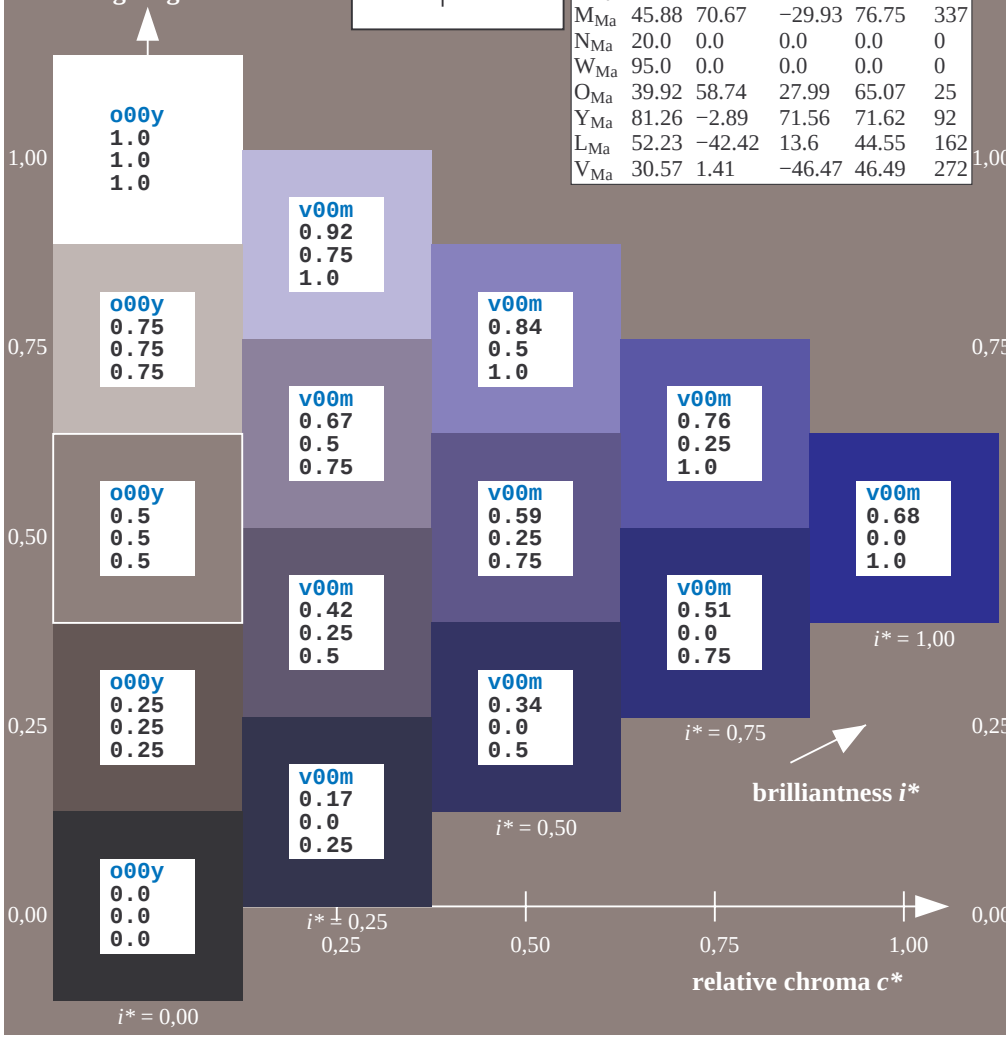
**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

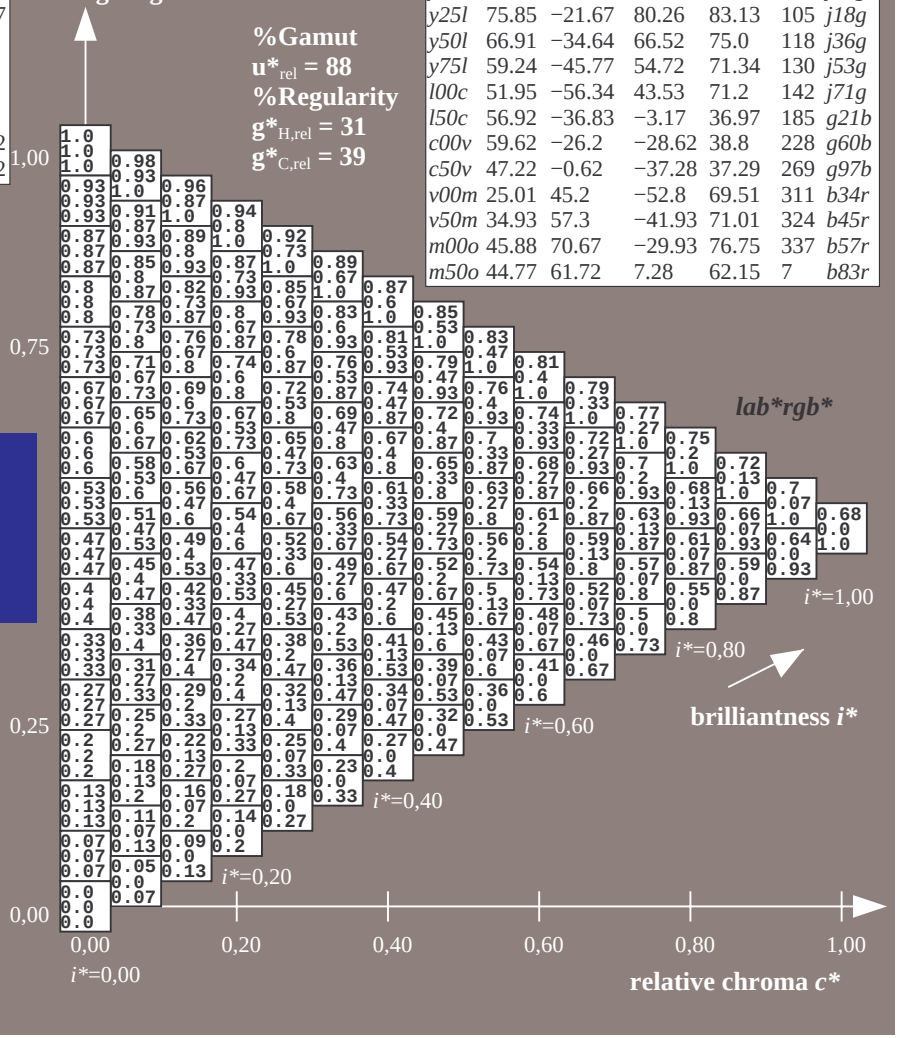



**Data for maximum colour (Ma):**
*LAB*LAB*$_{Ma}$*: 25 45 −53
*LAB*LCH*$_{Ma}$*: 25 70 310
*lab*olv*$_{Ma}$*: 0.0 0.0 1.0
*lab*rgb*$_{Ma}$*: 0.68 0.0 1.0
**triangle lightness *t****

**%Gamut**
$u^*_{rel}$ = 88
**%Regularity**
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39

**FRS12_95a; adapted (a) CIELAB data**

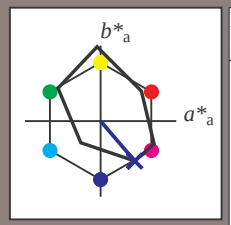
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |




*$u^*_d$ = v00m*
*lab*rgb**

**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}$/360 = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

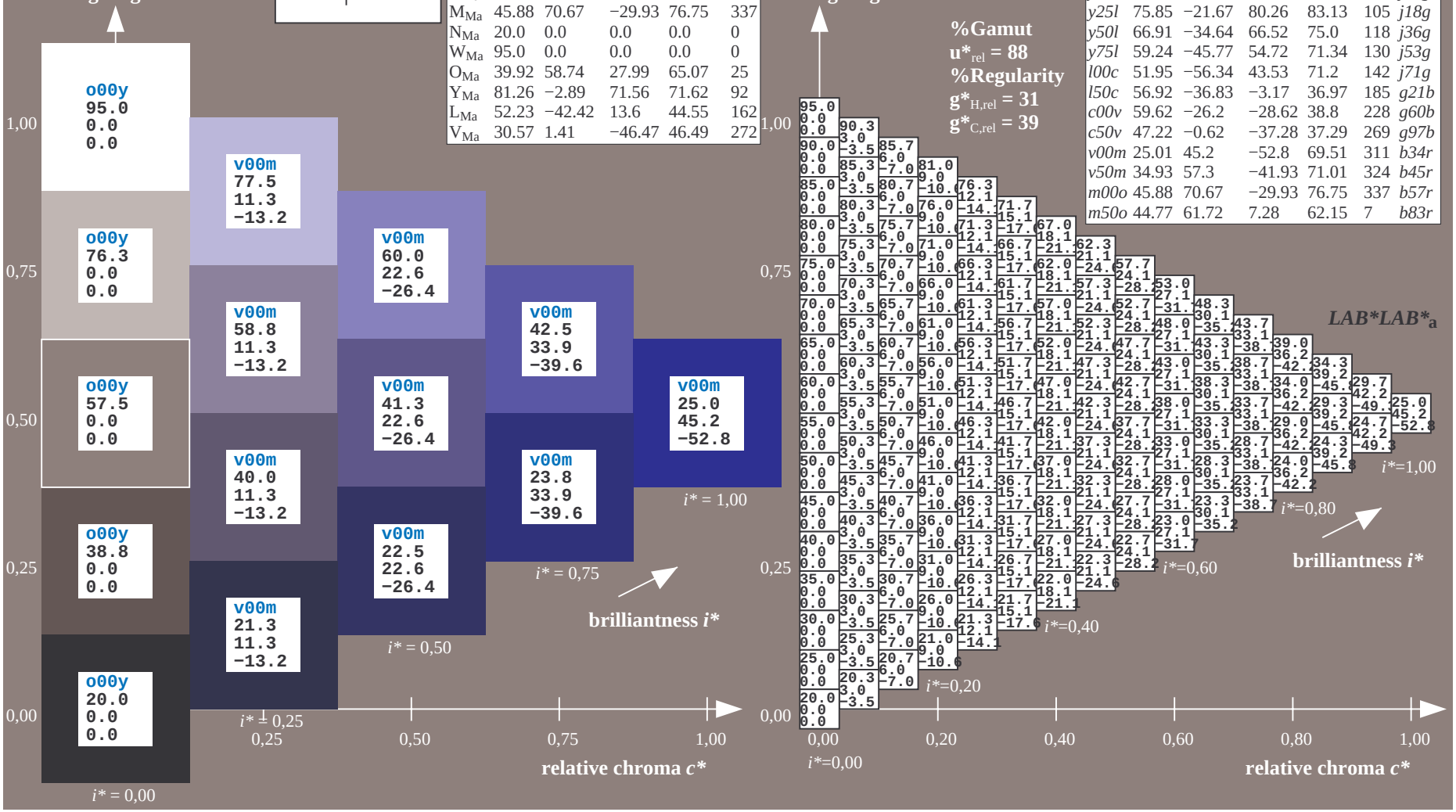
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
***LAB*LAB***$_{Ma}$: 25 45 −53
***LAB*LCH***$_{Ma}$: 25 70 310
***lab*olv***$_{Ma}$: 0.0 0.0 1.0
***lab*rgb***$_{Ma}$: 0.68 0.0 1.0
**triangle lightness *t**

**FRS12_95a; adapted (a) CIELAB data**

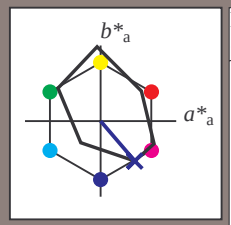
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |

**%Gamut**
$u^*_{rel}$ = 88
**%Regularity**
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}$/360 = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

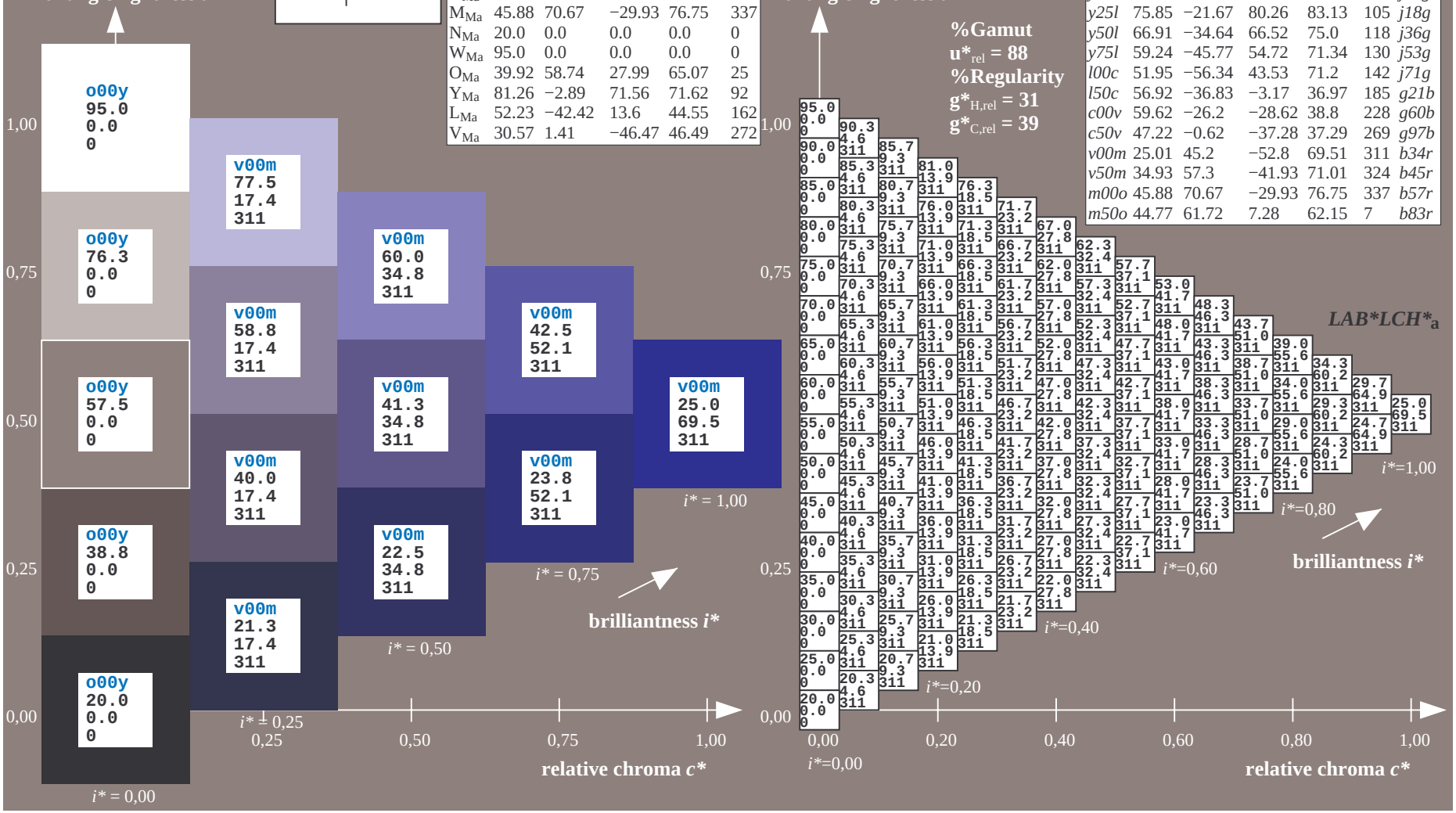
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
*LAB*LAB*$_{Ma}$: 25 45 −53
*LAB*LCH*$_{Ma}$: 25 70 310
*lab*olv*$_{Ma}$: 0.0 0.0 1.0
*lab*rgb*$_{Ma}$: 0.68 0.0 1.0
**triangle lightness *t***

**FRS12_95a; adapted (a) CIELAB data**

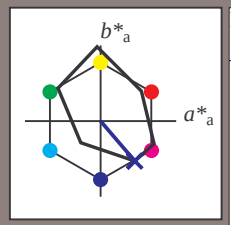
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |

**%Gamut**
$u^*_{rel}$ = 88
**%Regularity**
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

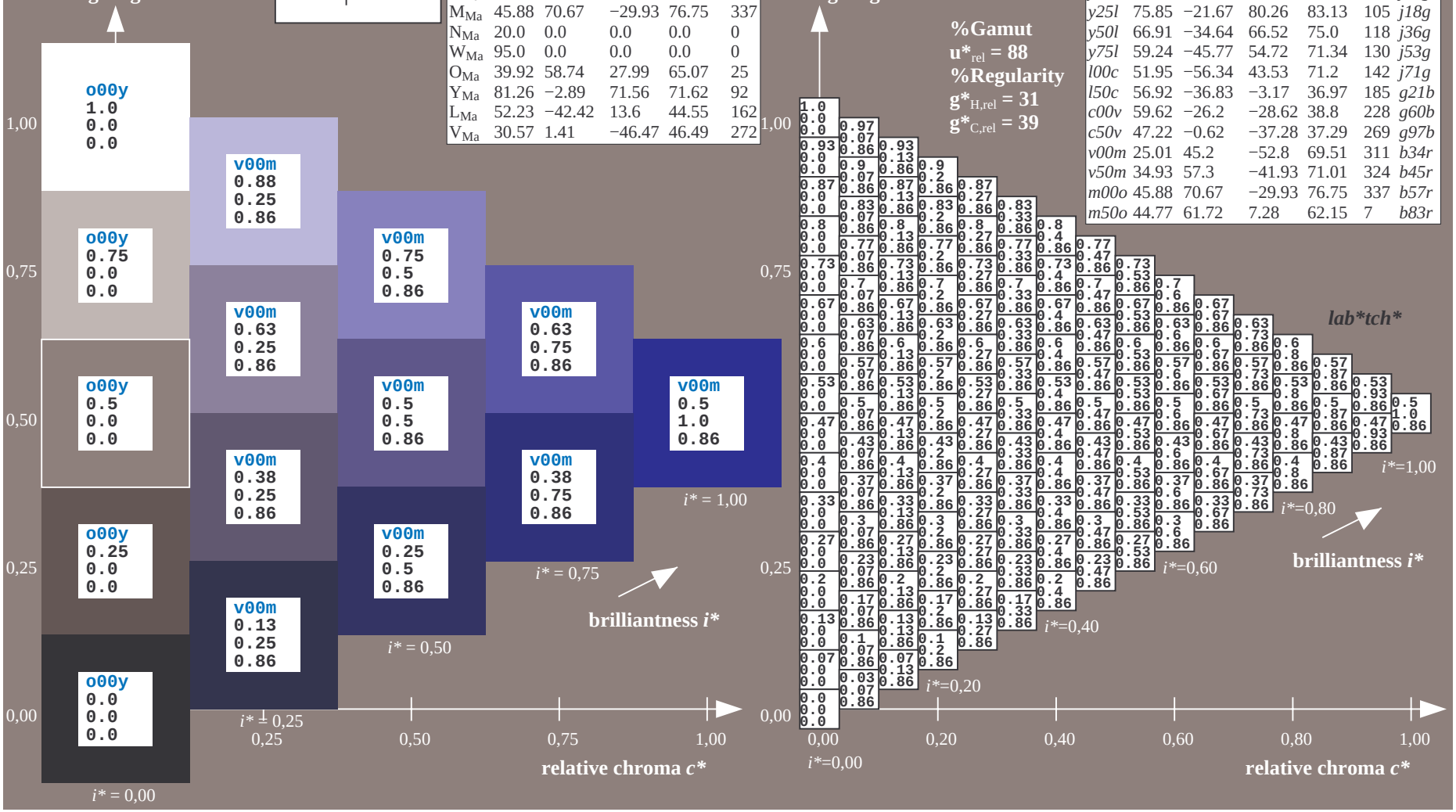
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
***LAB*LAB*_{Ma}**: 25 45 −53
***LAB*LCH*_{Ma}**: 25 70 310
***lab*olv*_{Ma}**: 0.0 0.0 1.0
***lab*rgb*_{Ma}**: 0.68 0.0 1.0
**triangle lightness *t**

**%Gamut**
**$u^*_{rel}$ = 88**
**%Regularity**
**$g^*_{H,rel}$ = 31**
**$g^*_{C,rel}$ = 39**

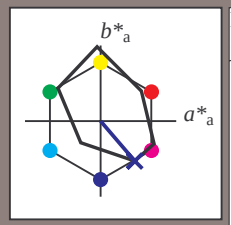
**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu***
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; adapted (a) CIELAB data**

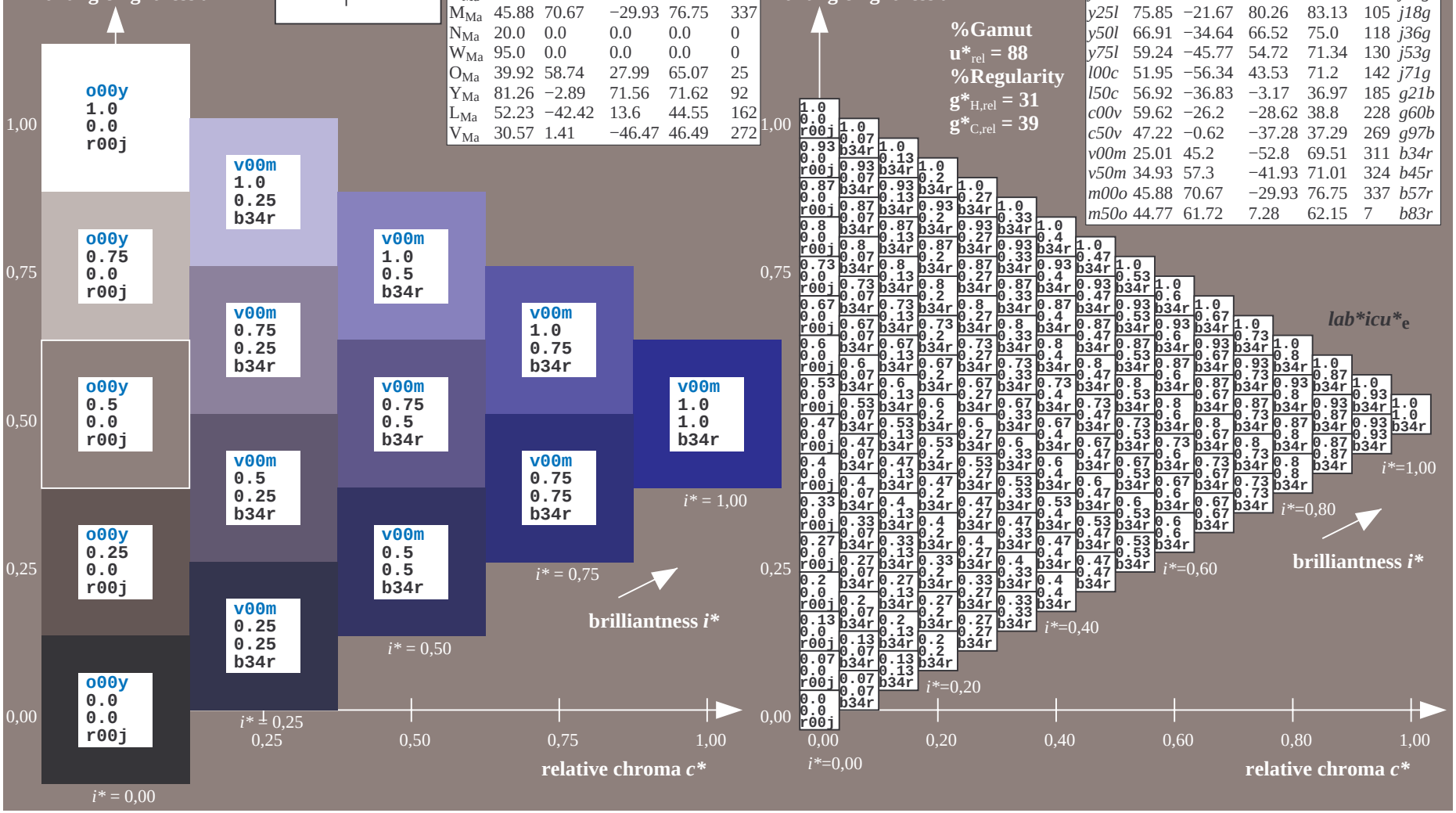
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 43.8 | 53.91 | 39.75 | 66.98 | 36 |
| $Y_{Ma}$ | 87.58 | −4.65 | 98.29 | 98.4 | 93 |
| $L_{Ma}$ | 51.95 | −56.34 | 43.53 | 71.2 | 142 |
| $C_{Ma}$ | 59.62 | −26.2 | −28.62 | 38.8 | 228 |
| $V_{Ma}$ | 25.01 | 45.2 | −52.8 | 69.51 | 311 |
| $M_{Ma}$ | 45.88 | 70.67 | −29.93 | 76.75 | 337 |
| $N_{Ma}$ | 20.0 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.0 | 0.0 | 0.0 | 0.0 | 0 |
| $O_{Ma}$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_{Ma}$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_{Ma}$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_{Ma}$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
***LAB*LAB*_{Ma}**: 25 45 −53
***LAB*LCH*_{Ma}**: 25 70 310
***lab*olv*_{Ma}**: 0.0 0.0 1.0
***lab*rgb*_{Ma}**: 0.68 0.0 1.0
**triangle lightness *t****

**%Gamut**
**$u^*_{rel}$ = 88**
**%Regularity**
**$g^*_{H,rel}$ = 31**
**$g^*_{C,rel}$ = 39**

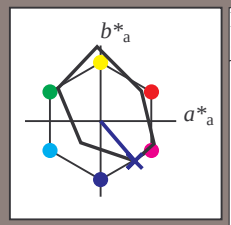
**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}/360$ = 0.863** $u^*_d$ = *v00m* *LAB*LAB**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95; CIELAB data**

| $u^*_d$ | L*=L* | a* | b* | $C^*_{ab}$ | $h^*_{ab}$ |
|---|---|---|---|---|---|
| $O_M$ | 43.8 | 54.41 | 32.95 | 63.61 | 31 |
| $Y_M$ | 87.58 | −4.04 | 90.02 | 90.11 | 93 |
| $L_M$ | 51.95 | −55.83 | 36.46 | 66.68 | 147 |
| $C_M$ | 59.62 | −25.67 | −35.94 | 44.17 | 234 |
| $V_M$ | 25.01 | 45.64 | −58.96 | 74.57 | 308 |
| $M_M$ | 45.88 | 71.17 | −36.79 | 80.12 | 333 |
| $N_M$ | 20.0 | 0.43 | −5.99 | 6.01 | 274 |
| $W_M$ | 95.0 | 0.62 | −8.52 | 8.54 | 274 |
| $O_M$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_M$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_M$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_M$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

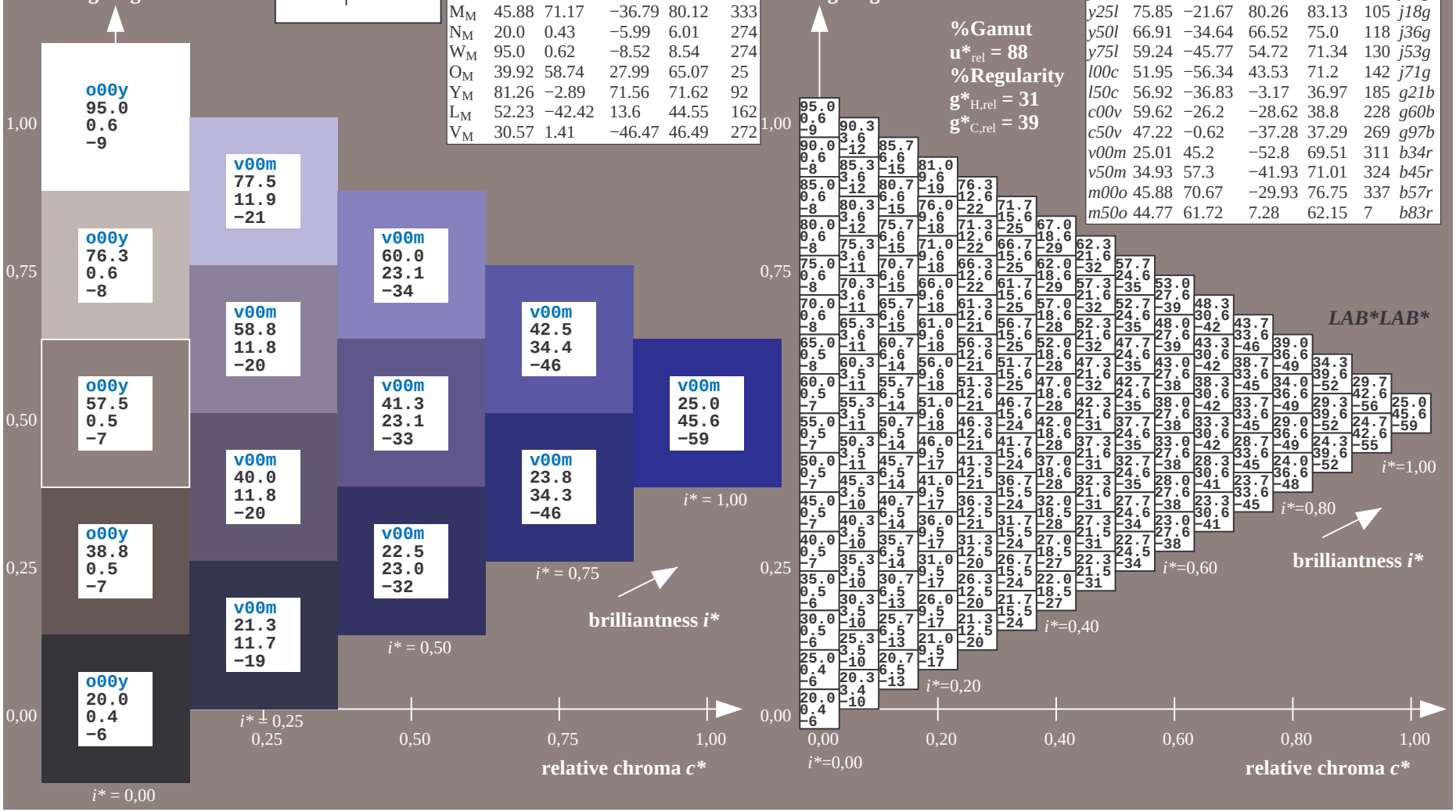
**Data for maximum colour (Ma):**
*LAB*LAB**$_{Ma}$: 25 45 −53
*LAB*LCH**$_{Ma}$: 25 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
**triangle lightness *t****

**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | L*=$L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |

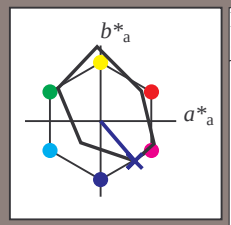
**%Gamut**
$u^*_{rel}$ = 88
**%Regularity**
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39

*LAB*LAB**



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}$/360 = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**




**FRS12_95a; CIELAB data**

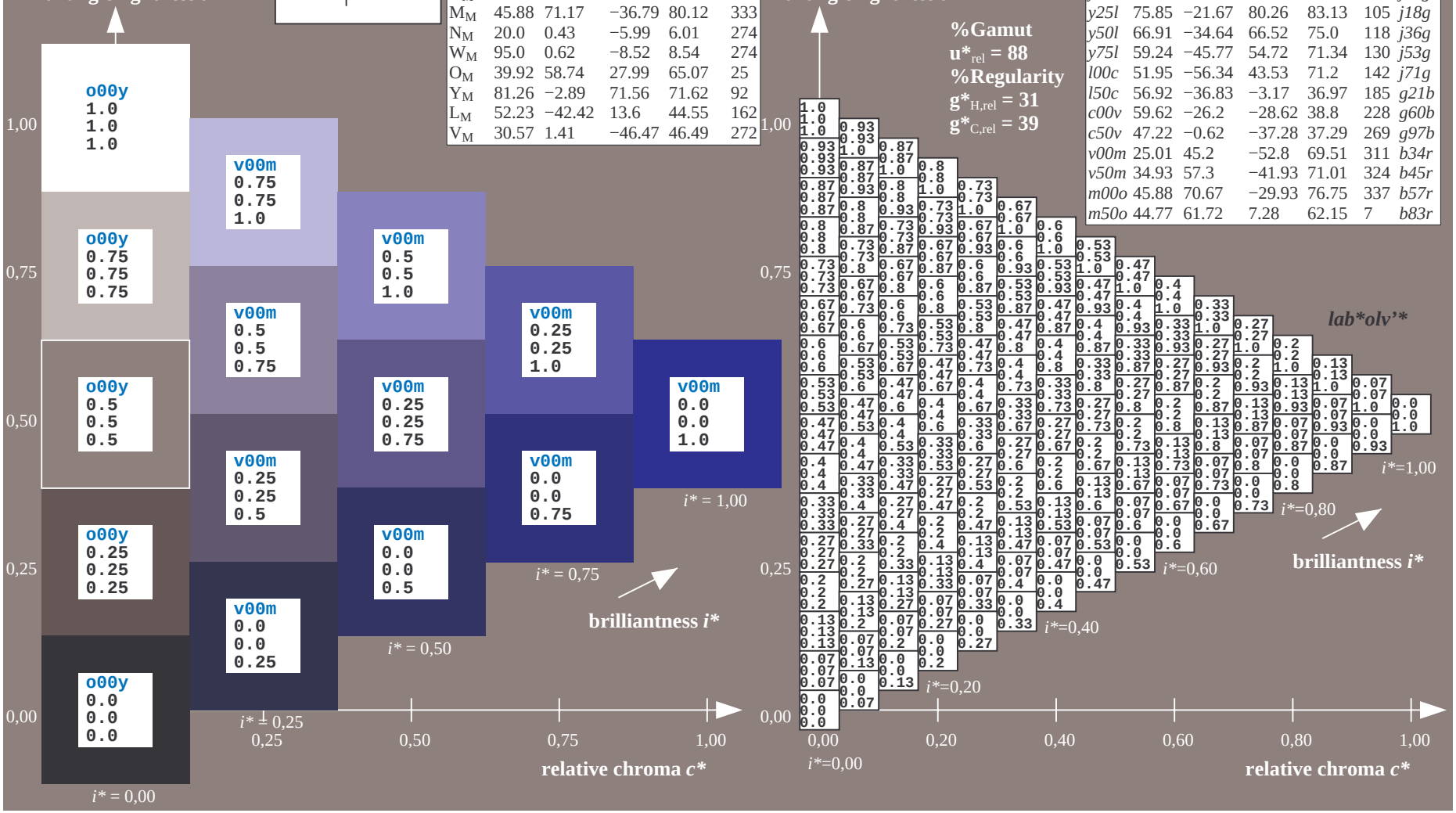
| | $u^*_d$ | $L^*=L^*$ | $a^*$ | $b^*$ | $C^*_{ab}$ | $h^*_{ab}$ |
|---|---|---|---|---|---|---|
| $O_M$ | 43.8 | 54.41 | 32.95 | 63.61 | 31 |
| $Y_M$ | 87.58 | −4.04 | 90.02 | 90.11 | 93 |
| $L_M$ | 51.95 | −55.83 | 36.46 | 66.68 | 147 |
| $C_M$ | 59.62 | −25.67 | −35.94 | 44.17 | 234 |
| $V_M$ | 25.01 | 45.64 | −58.96 | 74.57 | 308 |
| $M_M$ | 45.88 | 71.17 | −36.79 | 80.12 | 333 |
| $N_M$ | 20.0 | 0.43 | −5.99 | 6.01 | 274 |
| $W_M$ | 95.0 | 0.62 | −8.52 | 8.54 | 274 |
| $O_M$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_M$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_M$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_M$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
*LAB*LAB*$_{Ma}$: 25 45 −53
*LAB*LCH*$_{Ma}$: 25 70 310
*lab*olv*$_{Ma}$: 0.0 0.0 1.0
*lab*rgb*$_{Ma}$: 0.68 0.0 1.0
**triangle lightness *t***

**FRS12_95a; adapted (a) CIELAB data**

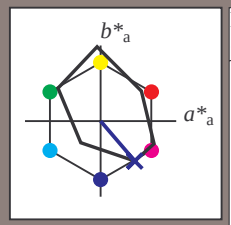
| $u^*_d$ | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |

**%Gamut**
$u^*_{rel}$ = 88
**%Regularity**
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39



**Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=20_95 for relative CIELAB hue *h** = *lab*h** = $h_{ab}$/360 = 0.863**

**data for any colour:**
*lab*tch** and *lab*icu**
**Hue texts:**
$u^*_d$ = *v00m* $u^*_e$ = *b34r*
**contrast reduction factor:**
$c_R$ = 0.9
**triangle lightness *t**

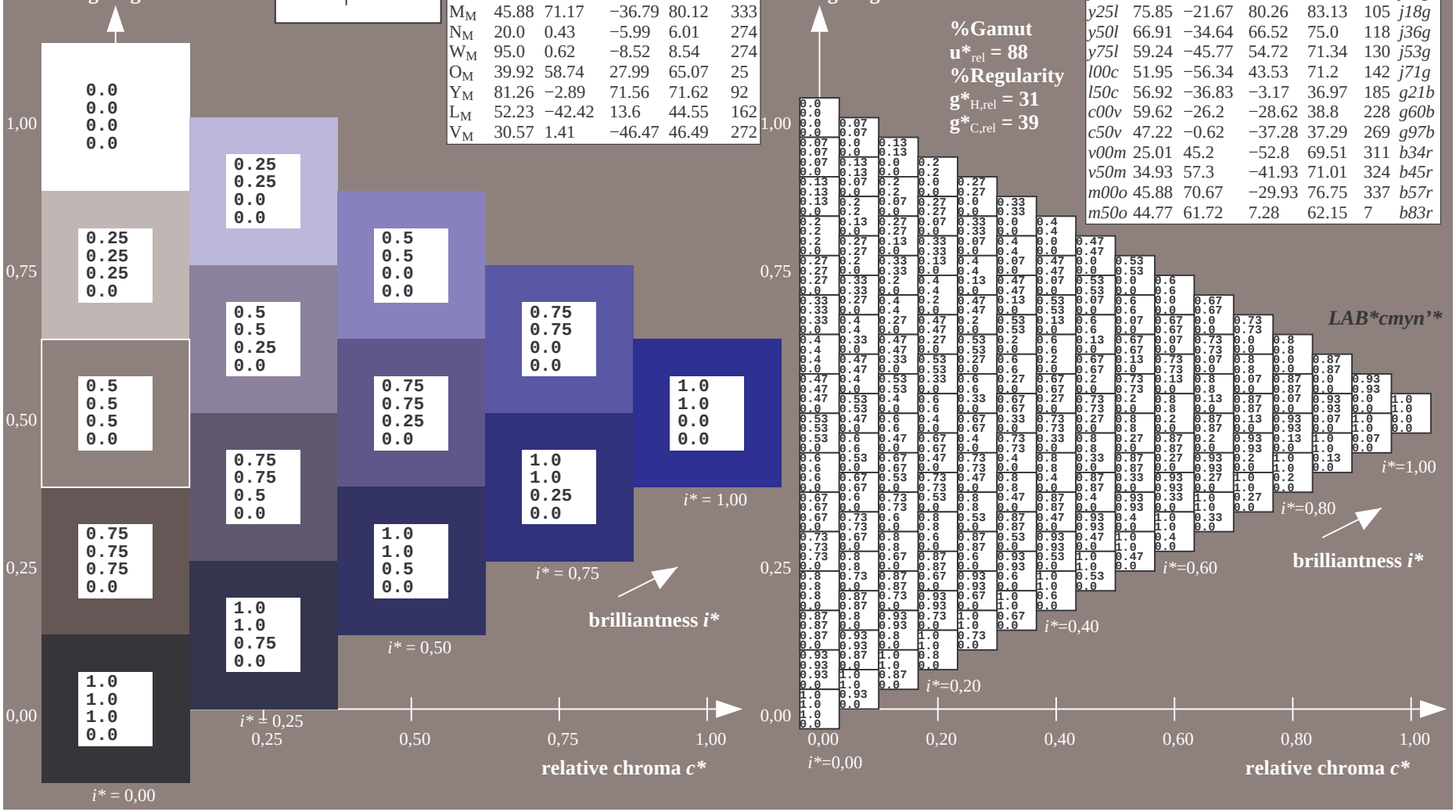



**FRS12_95a; CIELAB data**

| $u^*_d$ | L*=L* | a* | b* | $C^*_{ab}$ | $h^*_{ab}$ |
|---|---|---|---|---|---|
| $O_M$ | 43.8 | 54.41 | 32.95 | 63.61 | 31 |
| $Y_M$ | 87.58 | −4.04 | 90.02 | 90.11 | 93 |
| $L_M$ | 51.95 | −55.83 | 36.46 | 66.68 | 147 |
| $C_M$ | 59.62 | −25.67 | −35.94 | 44.17 | 234 |
| $V_M$ | 25.01 | 45.64 | −58.96 | 74.57 | 308 |
| $M_M$ | 45.88 | 71.17 | −36.79 | 80.12 | 333 |
| $N_M$ | 20.0 | 0.43 | −5.99 | 6.01 | 274 |
| $W_M$ | 95.0 | 0.62 | −8.52 | 8.54 | 274 |
| $O_M$ | 39.92 | 58.74 | 27.99 | 65.07 | 25 |
| $Y_M$ | 81.26 | −2.89 | 71.56 | 71.62 | 92 |
| $L_M$ | 52.23 | −42.42 | 13.6 | 44.55 | 162 |
| $V_M$ | 30.57 | 1.41 | −46.47 | 46.49 | 272 |

**Data for maximum colour (Ma):**
*LAB*LAB*$_{Ma}$: 25 45 −53
*LAB*LCH*$_{Ma}$: 25 70 310
*lab*olv*$_{Ma}$: 0.0 0.0 1.0
*lab*rgb*$_{Ma}$: 0.68 0.0 1.0
**triangle lightness *t**

**%Gamut**
$u^*_{rel}$ = 88
**%Regularity**
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39

**FRS12_95a; adapted (a) CIELAB data**

| $u^*_d$ | L*=$L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ | $u^*_e$ |
|---|---|---|---|---|---|---|
| *o00y* | 43.8 | 53.91 | 39.75 | 66.98 | 36 | *r16j* |
| *o25y* | 52.46 | 42.34 | 51.32 | 66.53 | 50 | *r37j* |
| *o50y* | 61.53 | 30.2 | 63.46 | 70.28 | 65 | *r58j* |
| *o75y* | 72.39 | 15.68 | 77.97 | 79.53 | 79 | *r79j* |
| *y00l* | 87.58 | −4.65 | 98.29 | 98.4 | 93 | *j01g* |
| *y25l* | 75.85 | −21.67 | 80.26 | 83.13 | 105 | *j18g* |
| *y50l* | 66.91 | −34.64 | 66.52 | 75.0 | 118 | *j36g* |
| *y75l* | 59.24 | −45.77 | 54.72 | 71.34 | 130 | *j53g* |
| *l00c* | 51.95 | −56.34 | 43.53 | 71.2 | 142 | *j71g* |
| *l50c* | 56.92 | −36.83 | −3.17 | 36.97 | 185 | *g21b* |
| *c00v* | 59.62 | −26.2 | −28.62 | 38.8 | 228 | *g60b* |
| *c50v* | 47.22 | −0.62 | −37.28 | 37.29 | 269 | *g97b* |
| *v00m* | 25.01 | 45.2 | −52.8 | 69.51 | 311 | *b34r* |
| *v50m* | 34.93 | 57.3 | −41.93 | 71.01 | 324 | *b45r* |
| *m00o* | 45.88 | 70.67 | −29.93 | 76.75 | 337 | *b57r* |
| *m50o* | 44.77 | 61.72 | 7.28 | 62.15 | 7 | *b83r* |