

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab \cdot h = 38/360 = 0.105$ 

LAB\*LCH, LAB\*NCH

D65: Buntton O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

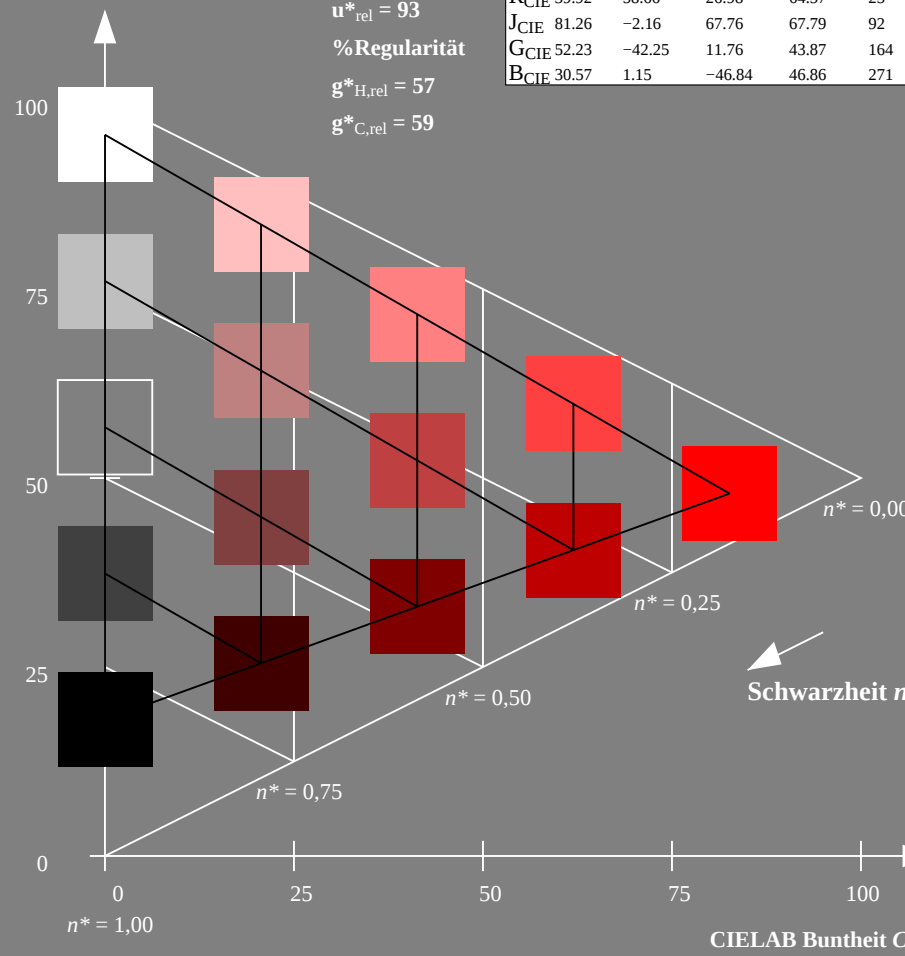
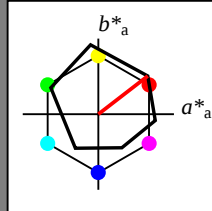
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab \cdot h = 38/360 = 0.105$ 

LAB\*LCH, LAB\*NCH

D65: Buntton O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0

ORS18; adaptierte CIELAB-Daten

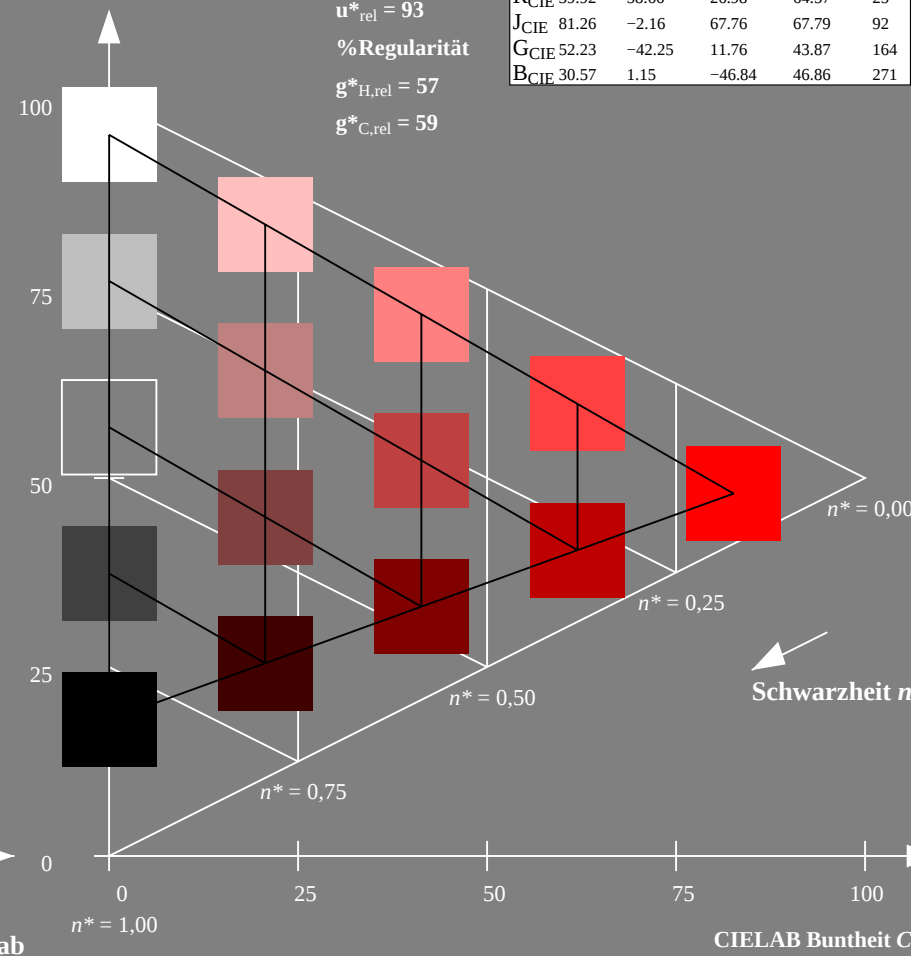
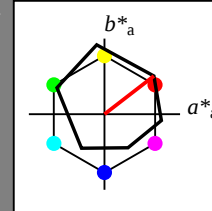
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

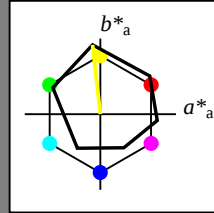
für Buntton  $h^* = lab^*h = 96/360 = 0.268$ 

LAB\*LCH, LAB\*NCH

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0



ORS18; adaptierte CIELAB-Daten

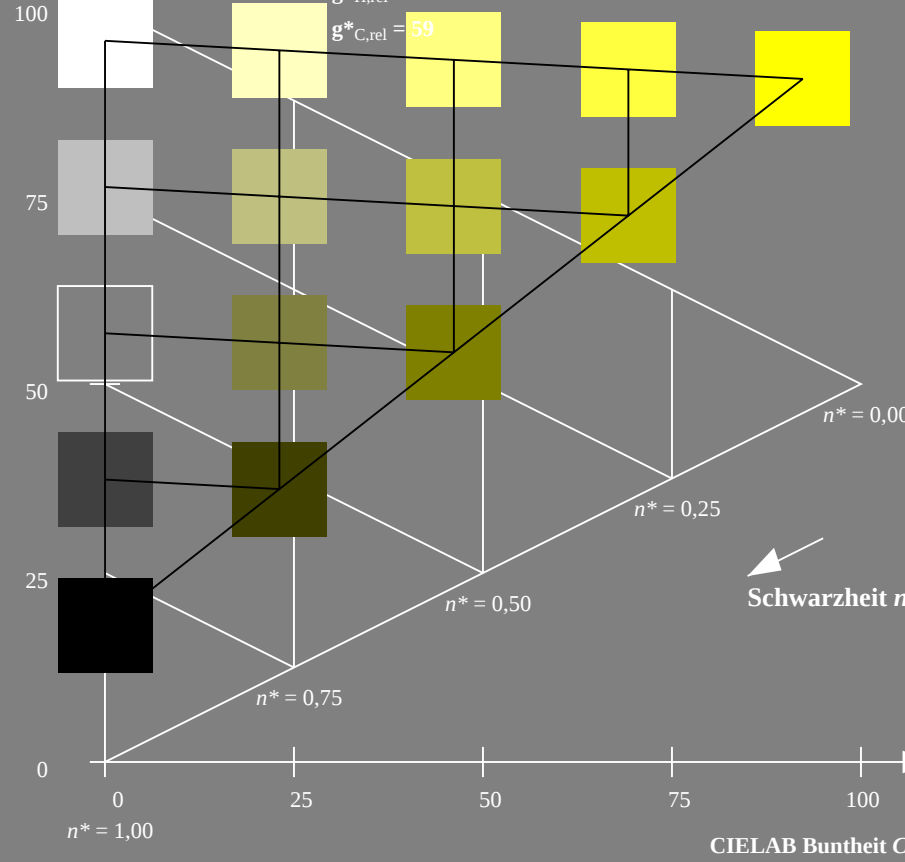
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

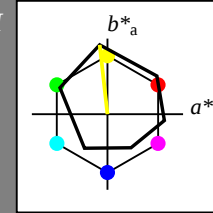
für Buntton  $h^* = lab^*h = 96/360 = 0.268$ 

LAB\*LCH, LAB\*NCH

D65: Buntton Y

LCH\*Ma: 90 92 96

olv\*Ma: 1.0 1.0 0.0



ORS18; adaptierte CIELAB-Daten

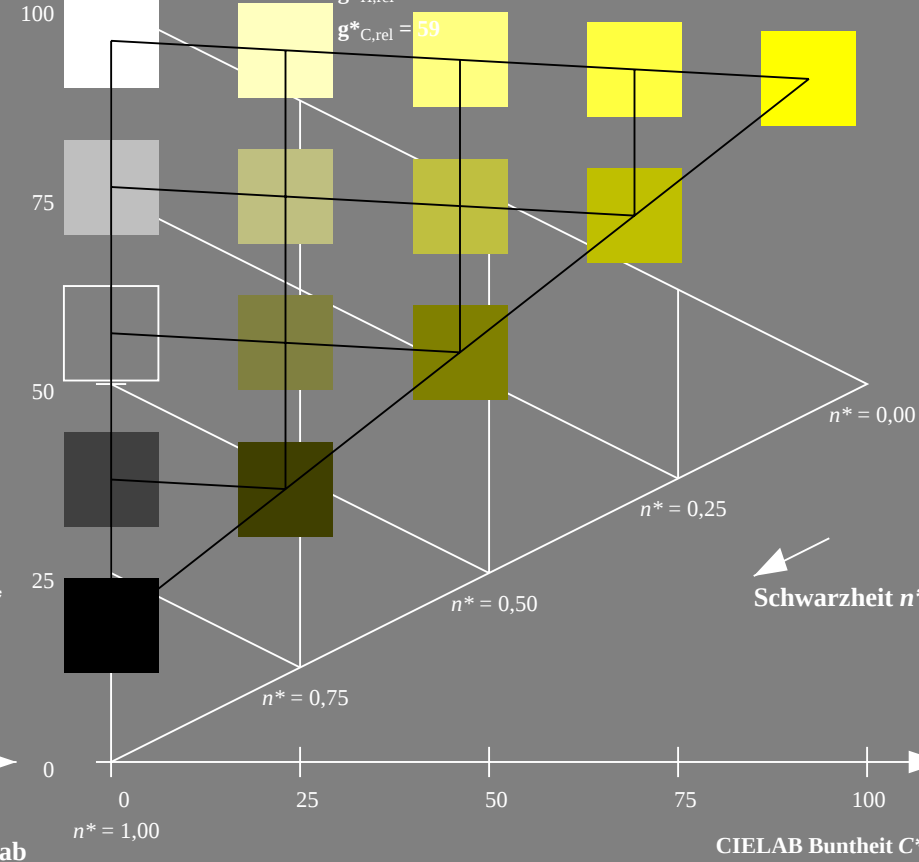
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 96/360 = 0.268 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 151/360 = 0.419$ 

LAB\*LCH, LAB\*NCH

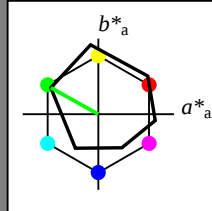
D65: Buntton L

LCH\*Ma: 51 72 151

olv\*Ma: 0.0 1.0 0.0

ORS18; adaptierte CIELAB-Daten

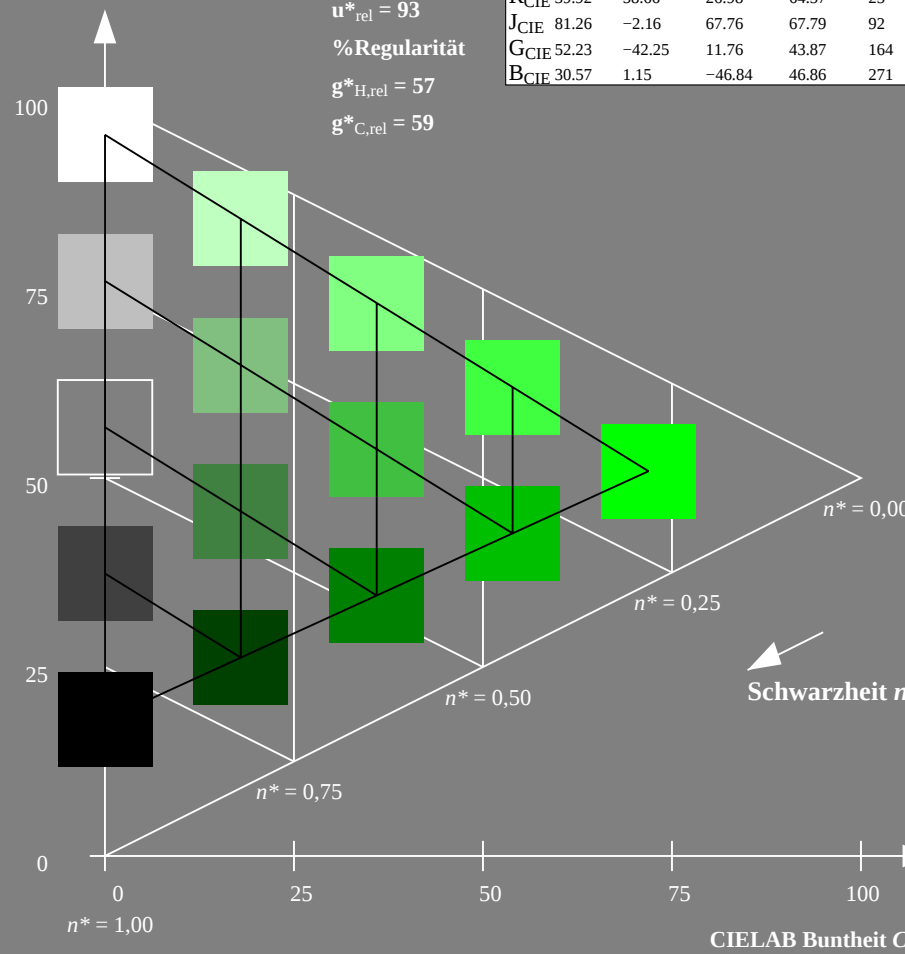
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 151/360 = 0.419$ 

LAB\*LCH, LAB\*NCH

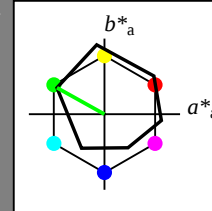
D65: Buntton L

LCH\*Ma: 51 72 151

olv\*Ma: 0.0 1.0 0.0

ORS18; adaptierte CIELAB-Daten

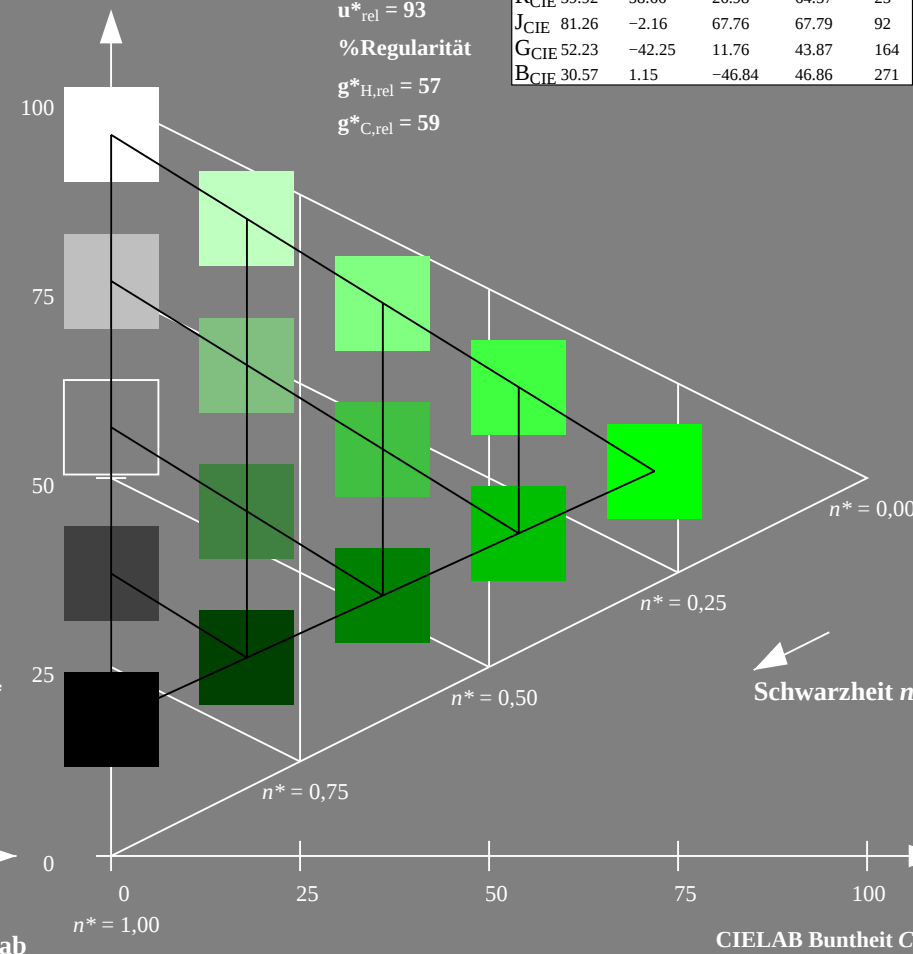
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 151/360 = 0.419 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

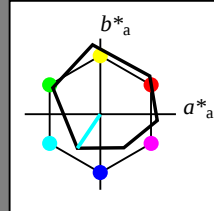
für Buntton  $h^* = lab \cdot h = 236/360 = 0.656$ 

LAB\*LCH, LAB\*NCH

D65: Buntton C

LCH\*Ma: 59 54 236

olv\*Ma: 0.0 1.0 1.0



ORS18; adaptierte CIELAB-Daten

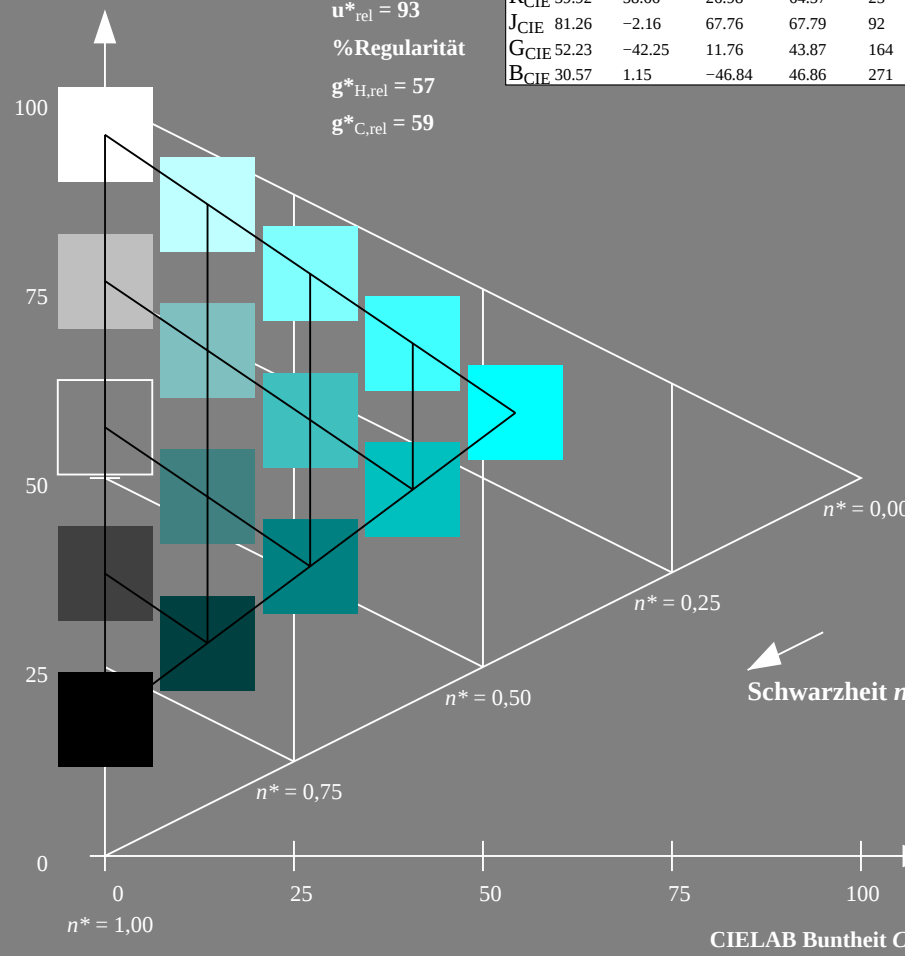
|                  | $L^*=L_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94     | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37     | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9      | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62     | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72     | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13     | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01     | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41     | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92     | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26     | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23     | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57     | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

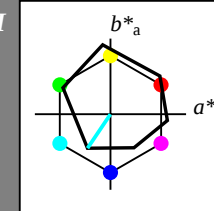
für Buntton  $h^* = lab \cdot h = 236/360 = 0.656$ 

LAB\*LCH, LAB\*NCH

D65: Buntton C

LCH\*Ma: 59 54 236

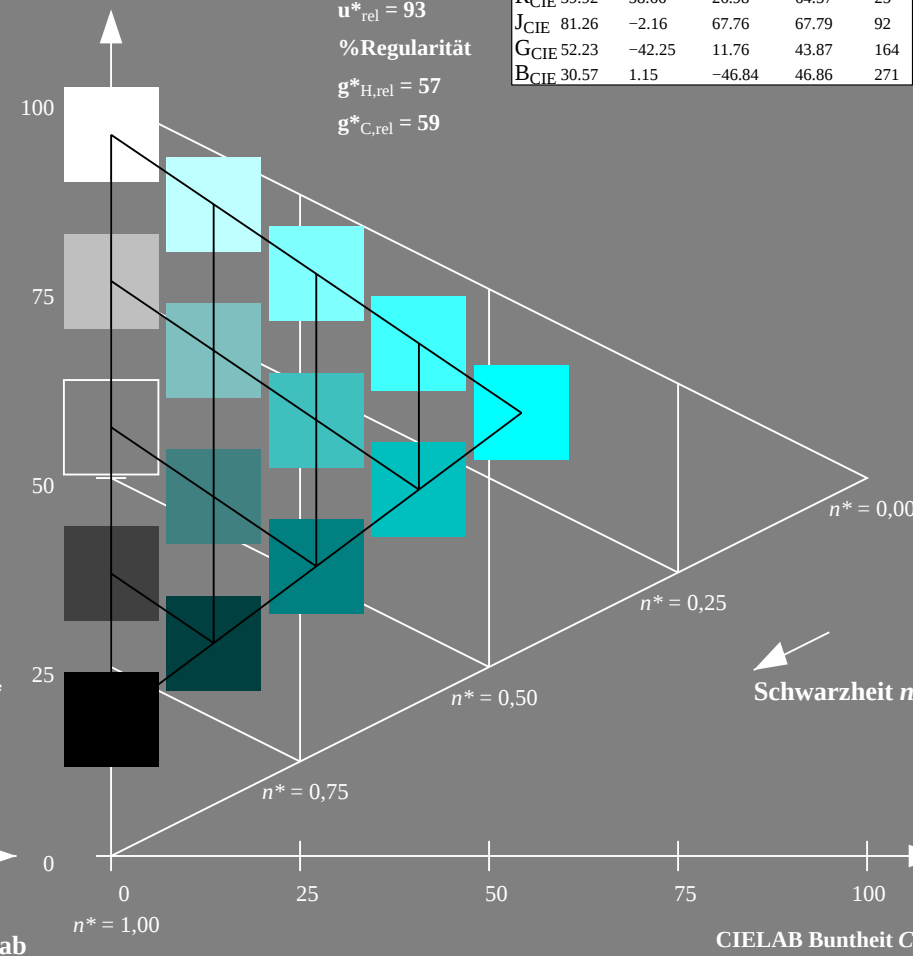
olv\*Ma: 0.0 1.0 1.0

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 236/360 = 0.656 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

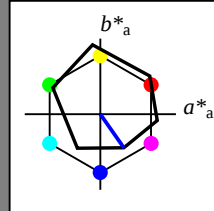
für Buntton  $h^* = lab^*h = 305/360 = 0.847$ 

LAB\*LCH, LAB\*NCH

D65: Buntton V

LCH\*Ma: 26 54 305

olv\*Ma: 0.0 0.0 1.0



ORS18; adaptierte CIELAB-Daten

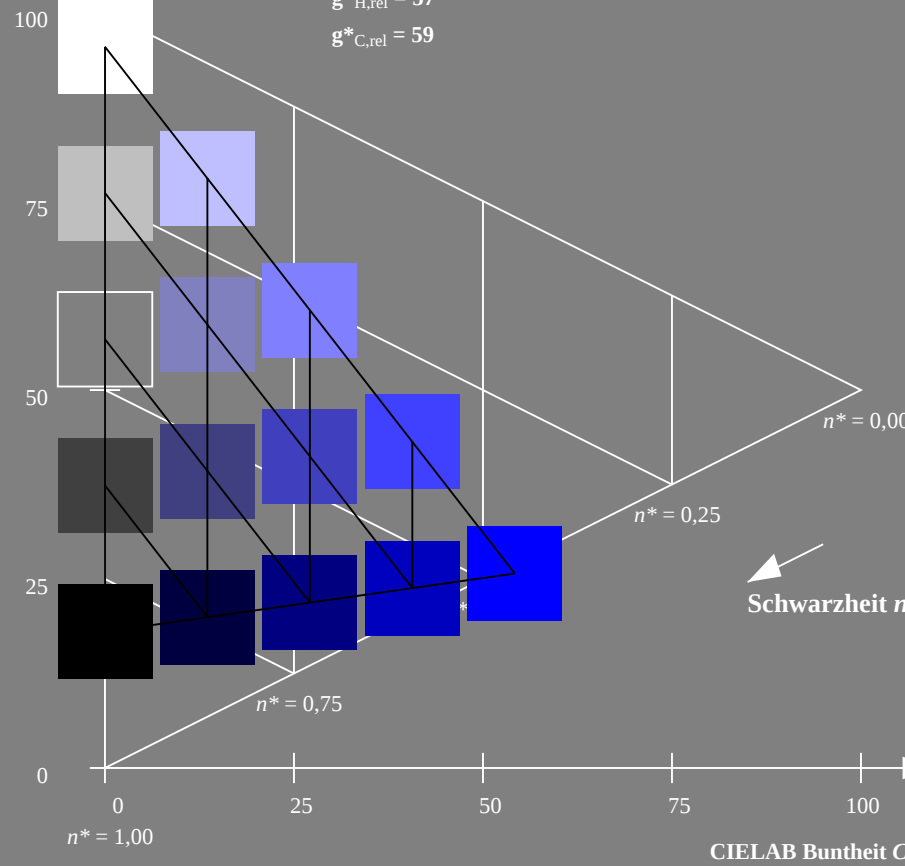
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
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| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependant

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

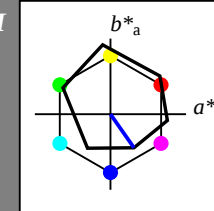
für Buntton  $h^* = lab^*h = 305/360 = 0.847$ 

LAB\*LCH, LAB\*NCH

D65: Buntton V

LCH\*Ma: 26 54 305

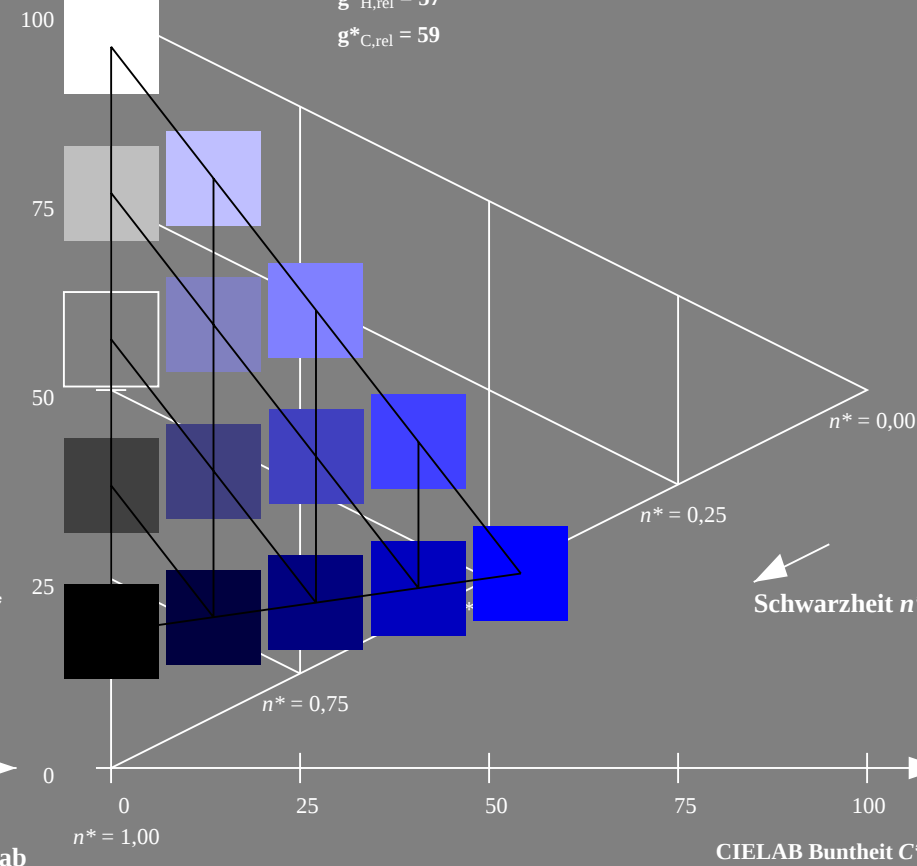
olv\*Ma: 0.0 0.0 1.0

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 305/360 = 0.847 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 354/360 = 0.982$ 

LAB\*LCH, LAB\*NCH

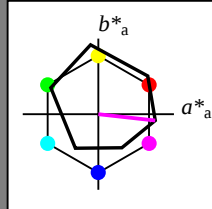
D65: Buntton M

LCH\*Ma: 48 76 354

olv\*Ma: 1.0 0.0 1.0

ORS18; adaptierte CIELAB-Daten

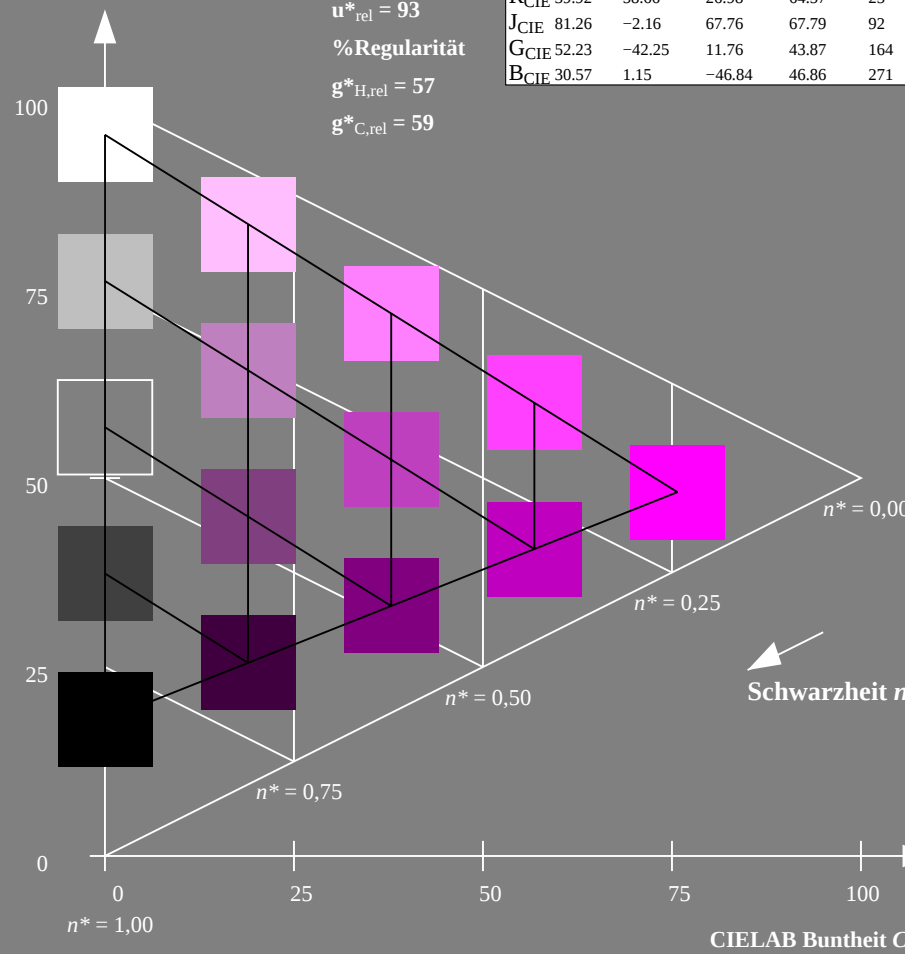
|                  | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u_{rel}^* = 93$ 

%Regularität

 $g_{H,rel}^* = 57$  $g_{C,rel}^* = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 354/360 = 0.982$ 

LAB\*LCH, LAB\*NCH

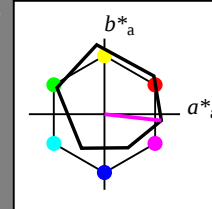
D65: Buntton M

LCH\*Ma: 48 76 354

olv\*Ma: 1.0 0.0 1.0

ORS18; adaptierte CIELAB-Daten

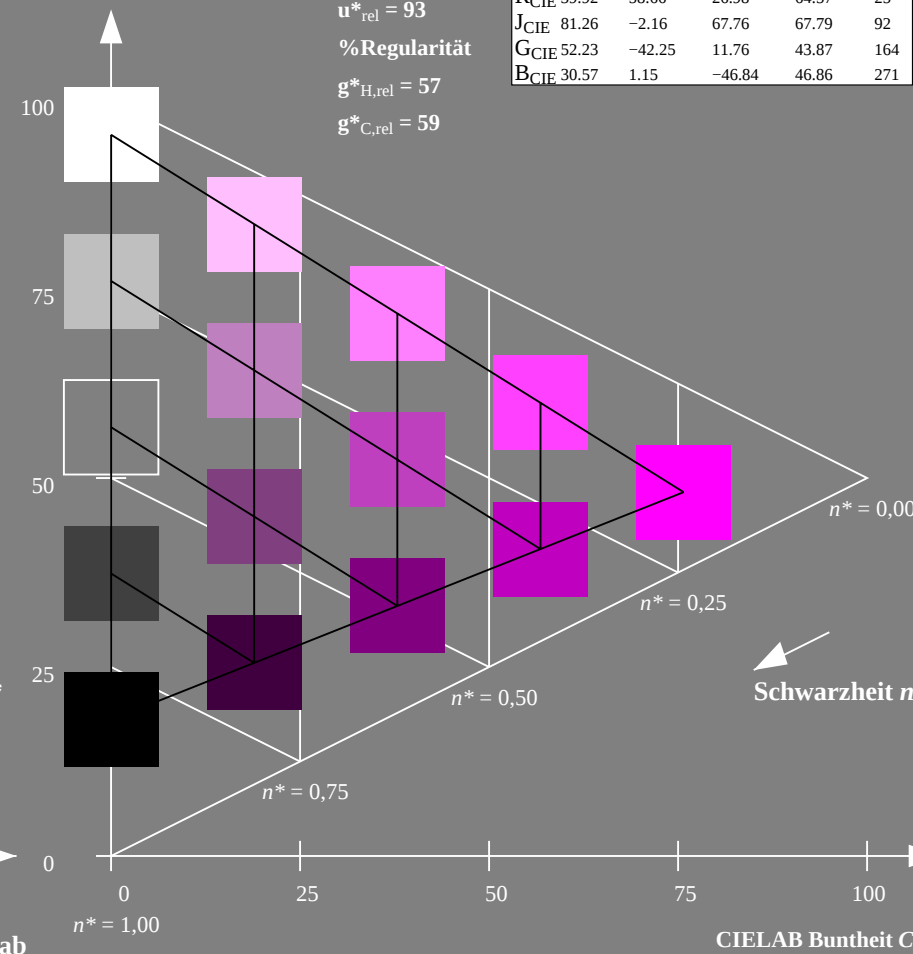
|                  | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u_{rel}^* = 93$ 

%Regularität

 $g_{H,rel}^* = 57$  $g_{C,rel}^* = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 354/360 = 0.982 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 25/360 = 0.069$ 

LAB\*LCH, LAB\*NCH

D65: Buntton R

LCH\*Ma: 48 75 25

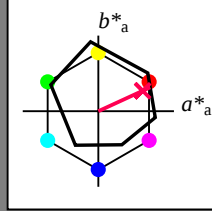
olv\*Ma: 1.0 0.0 0.32

CIELAB-Helligkeit  $L^*$ 

%Umfang

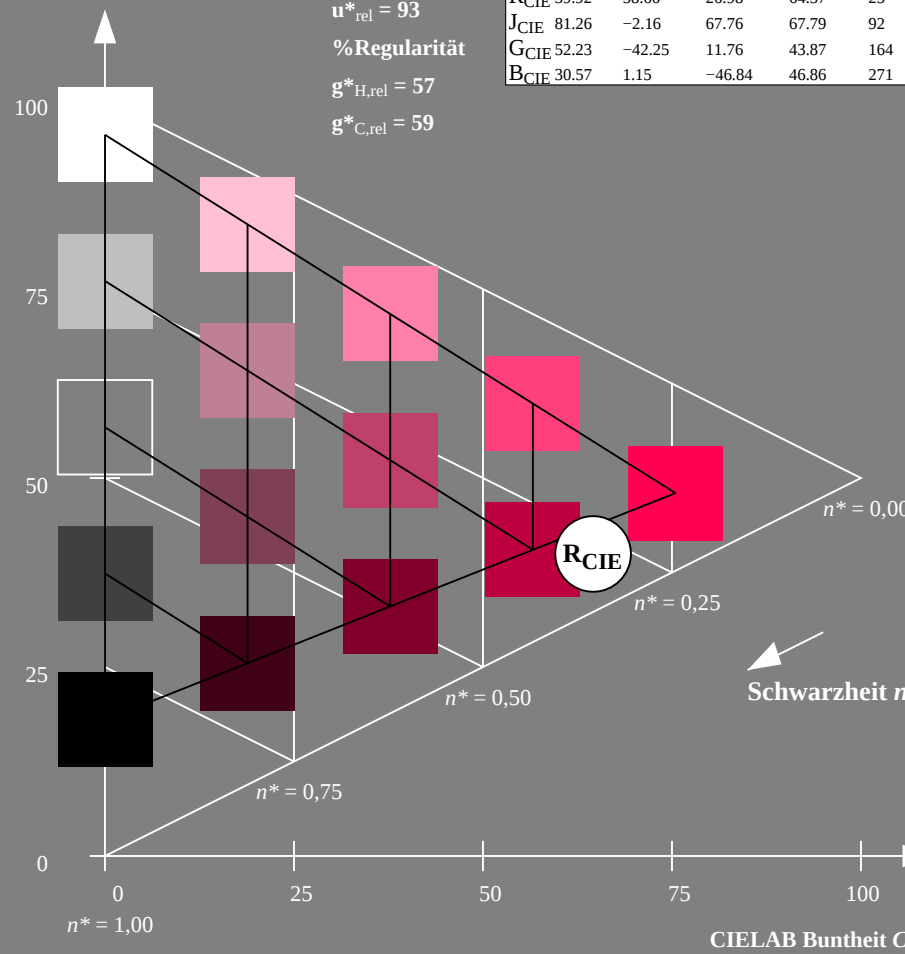
 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |



NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 25/360 = 0.069$ 

LAB\*LCH, LAB\*NCH

D65: Buntton R

LCH\*Ma: 48 75 25

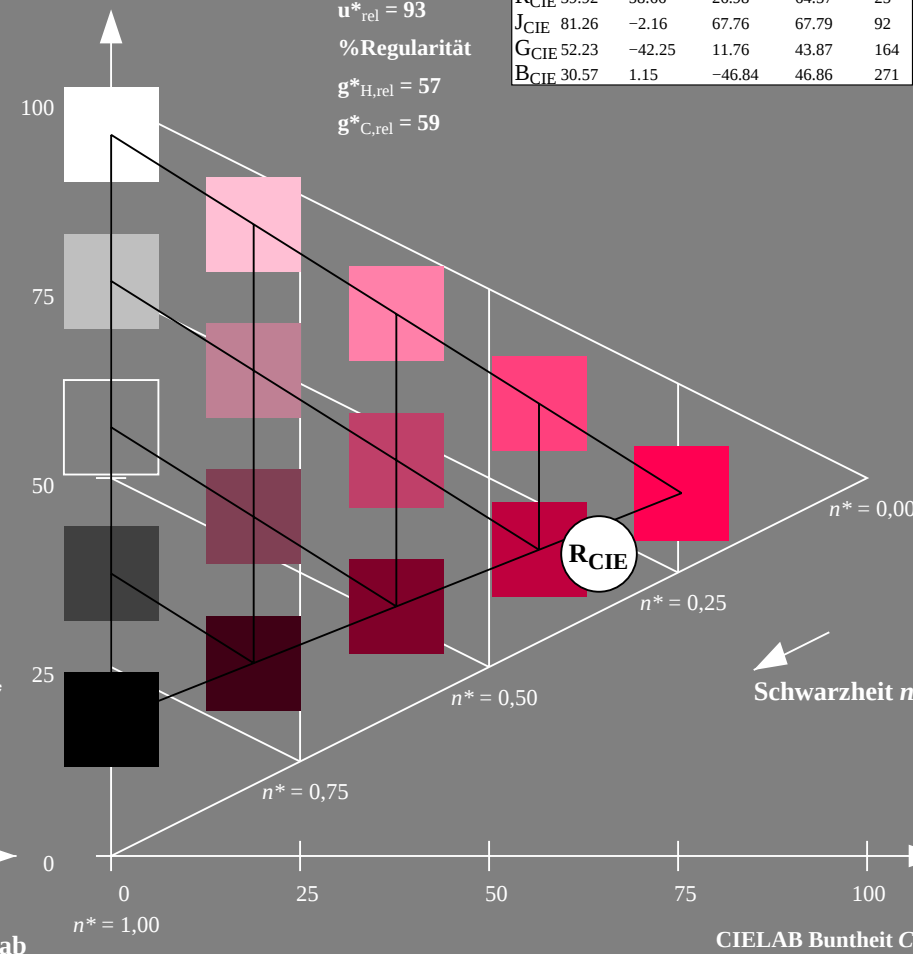
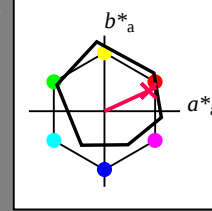
olv\*Ma: 1.0 0.0 0.32

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.069 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

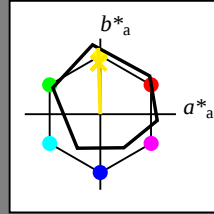
für Buntton  $h^* = lab^*h = 92/360 = 0.255$ 

LAB\*LCH, LAB\*NCH

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0



ORS18; adaptierte CIELAB-Daten

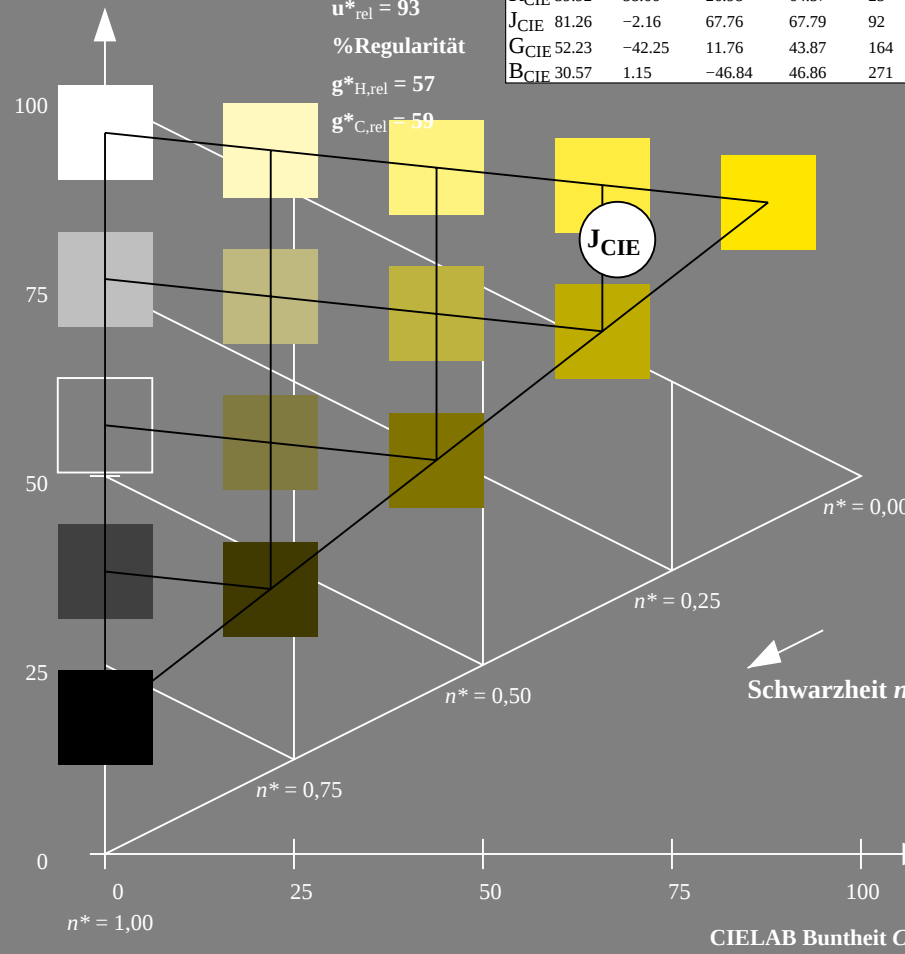
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

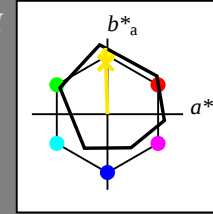
für Buntton  $h^* = lab^*h = 92/360 = 0.255$ 

LAB\*LCH, LAB\*NCH

D65: Buntton J

LCH\*Ma: 86 88 92

olv\*Ma: 1.0 0.9 0.0



ORS18; adaptierte CIELAB-Daten

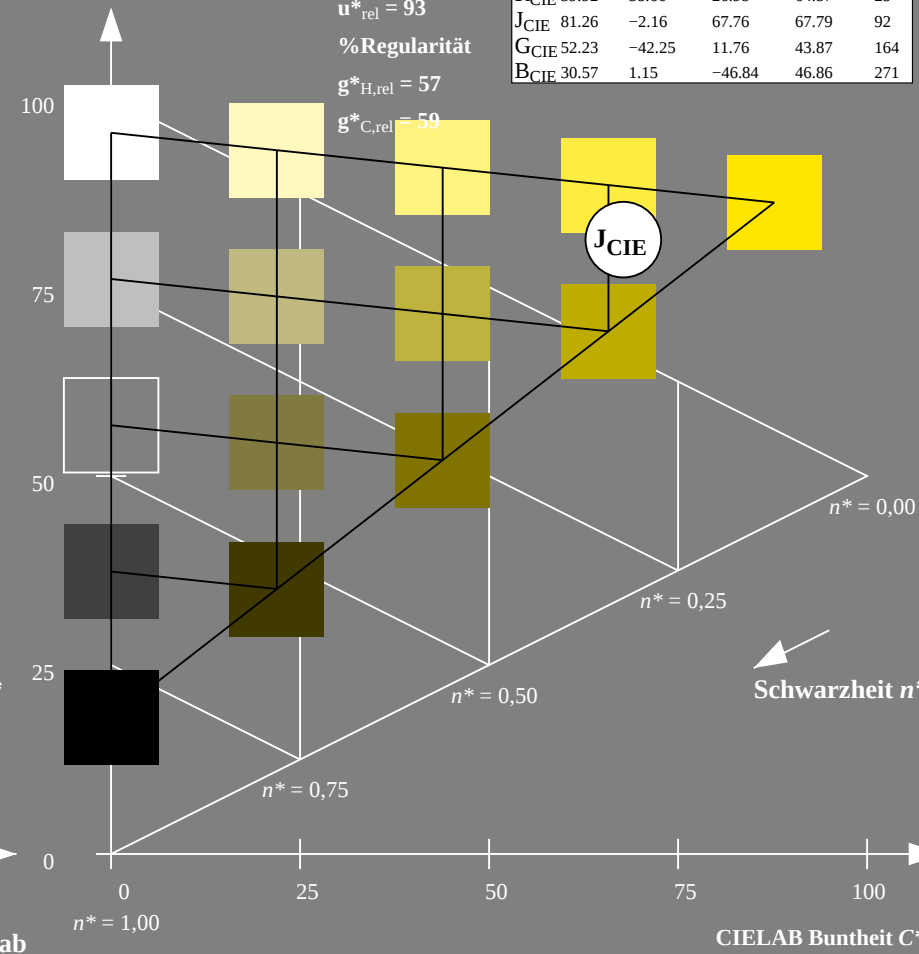
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.255 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 164/360 = 0.457$ 

LAB\*LCH, LAB\*NCH

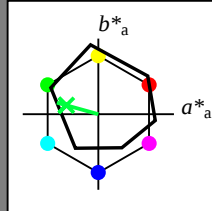
D65: Buntton G

LCH\*Ma: 53 57 164

olv\*Ma: 0.0 1.0 0.25

ORS18; adaptierte CIELAB-Daten

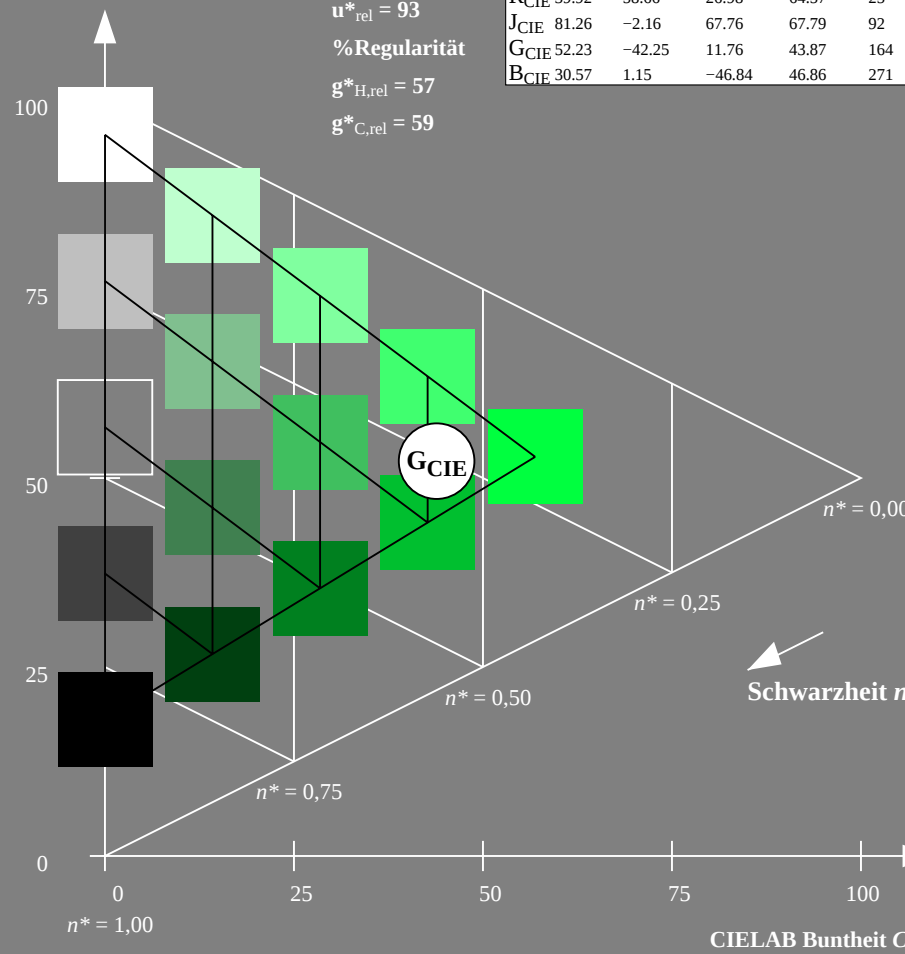
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependant

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 164/360 = 0.457$ 

LAB\*LCH, LAB\*NCH

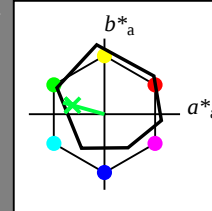
D65: Buntton G

LCH\*Ma: 53 57 164

olv\*Ma: 0.0 1.0 0.25

ORS18; adaptierte CIELAB-Daten

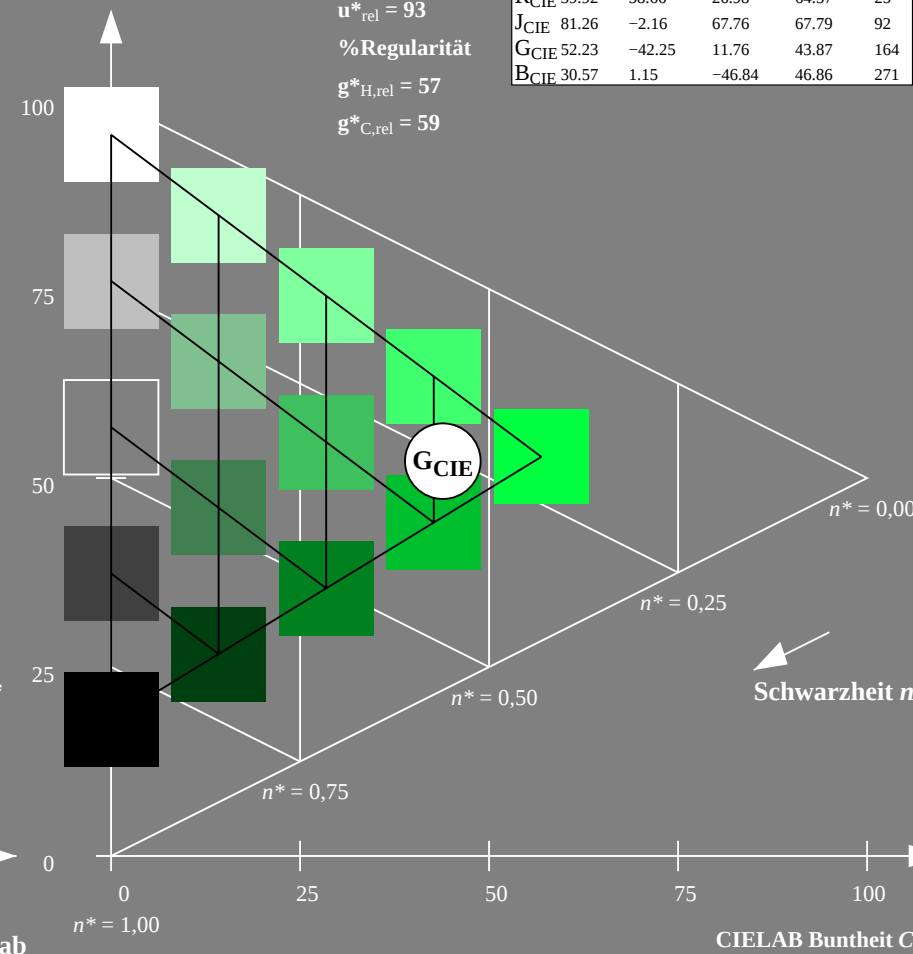
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 164/360 = 0.457 (rechts)

Eingabe: Farbmétrisches Offset-Reflektiv-System ORS18

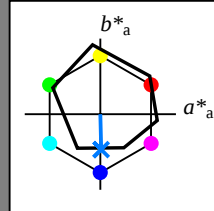
für Buntton  $h^* = lab \cdot h = 271/360 = 0.754$ 

LAB\*LCH, LAB\*NCH

D65: Buntton B

LCH\*Ma: 42 45 271

olv\*Ma: 0.0 0.49 1.0



ORS18; adaptierte CIELAB-Daten

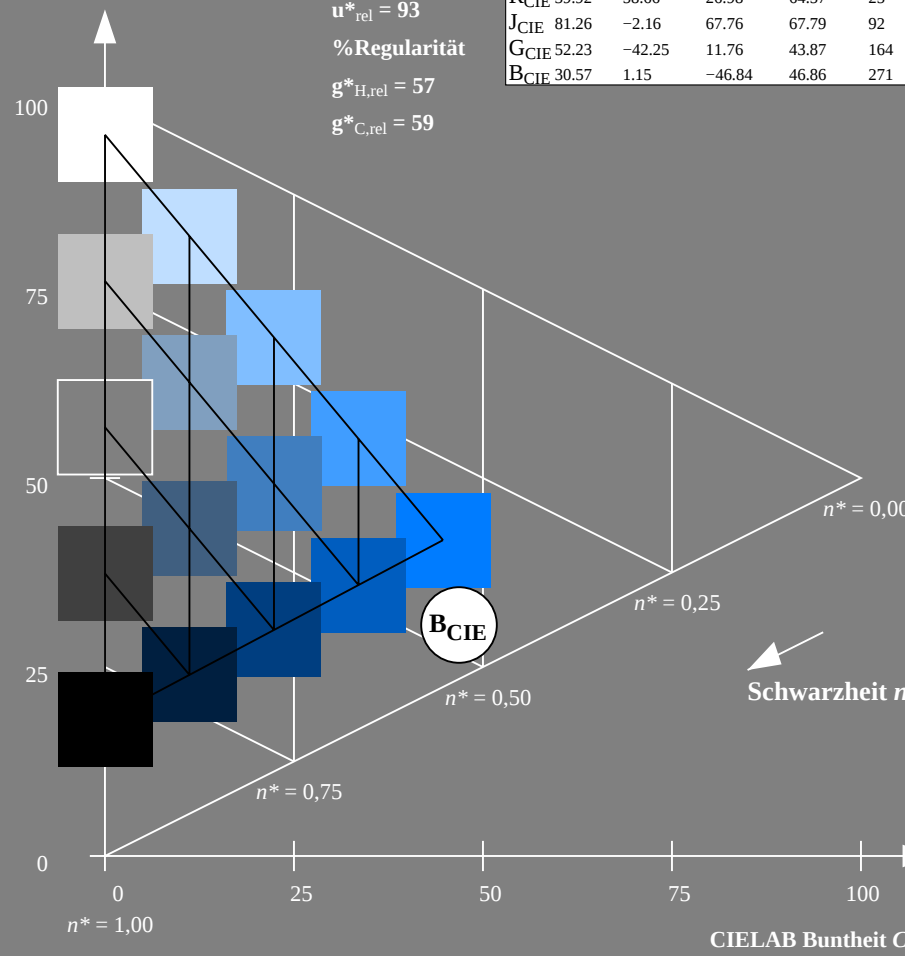
|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94       | 65.39   | 50.52   | 82.63        | 38           |
| Y <sub>Ma</sub>  | 90.37       | -10.26  | 91.75   | 92.32        | 96           |
| L <sub>Ma</sub>  | 50.9        | -62.83  | 34.96   | 71.91        | 151          |
| C <sub>Ma</sub>  | 58.62       | -30.34  | -45.01  | 54.3         | 236          |
| V <sub>Ma</sub>  | 25.72       | 31.1    | -44.4   | 54.22        | 305          |
| M <sub>Ma</sub>  | 48.13       | 75.28   | -8.36   | 75.74        | 354          |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.66   | 26.98   | 64.57        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.16   | 67.76   | 67.79        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.25  | 11.76   | 43.87        | 164          |
| B <sub>CIE</sub> | 30.57       | 1.15    | -46.84  | 46.86        | 271          |

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

NG340-7, 5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (links)

BAM-Prüfvorlage NG34; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: Koordinatensysteme; 5stufige Farbreihen für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmétrisches Offset-Reflektiv-System ORS18

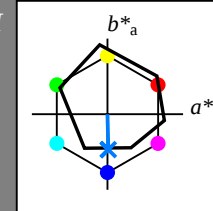
für Buntton  $h^* = lab \cdot h = 271/360 = 0.754$ 

LAB\*LCH, LAB\*NCH

D65: Buntton B

LCH\*Ma: 42 45 271

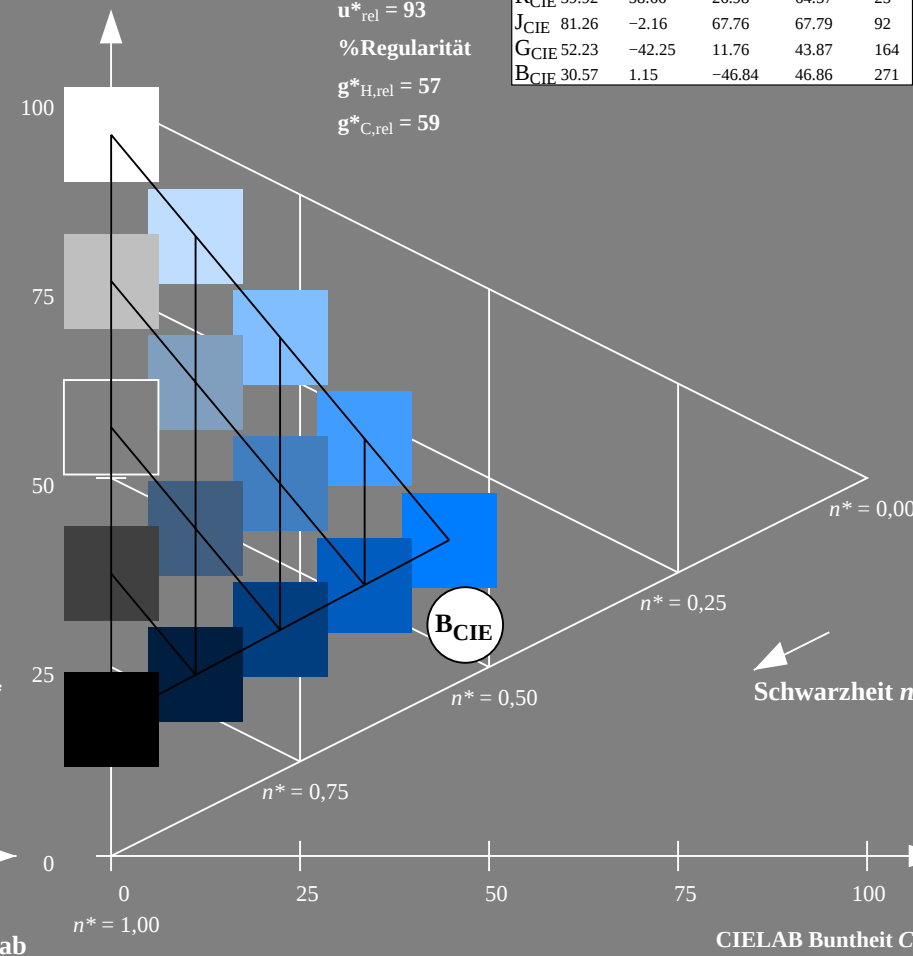
olv\*Ma: 0.0 0.49 1.0

CIELAB-Helligkeit  $L^*$ 

%Umfang

 $u^*_{rel} = 93$ 

%Regularität

 $g^*_{H,rel} = 57$  $g^*_{C,rel} = 59$ 

5 stufige Reihen für konstanten CIELAB Buntton 271/360 = 0.754 (rechts)