

## Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 40/360 = 0.111$

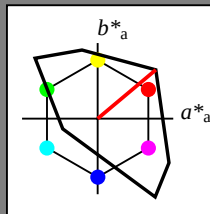
**lab\*tch und lab\*nch**

## D65: Buntton O

**LCH\*Ma: 51 100 40**

**olv\*Ma: 1.0 0.0 0.0**

## Dreiecks-Helligkeit

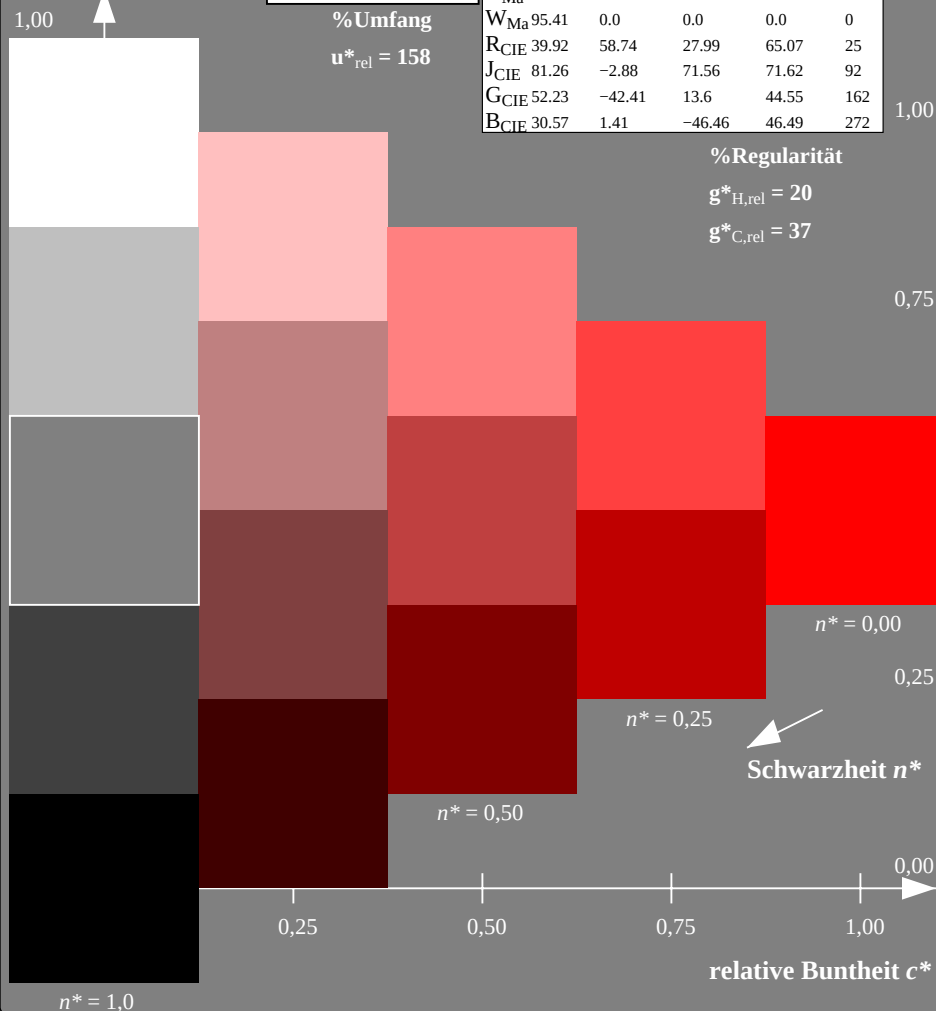


%Umfang

$$\mathbf{u}_{\text{rel}}^* = 158$$

| TLS00; adaptierte CIELAB-Daten |         |         |         |              |              |
|--------------------------------|---------|---------|---------|--------------|--------------|
|                                | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 50.5    | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>                | 92.66   | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>                | 83.63   | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>                | 86.88   | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>                | 30.39   | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>                | 57.3    | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>                | 0.01    | 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   | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>               | 81.26   | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>               | 52.23   | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>               | 30.57   | 1.41    | -46.46  | 46.49        | 272          |

### %Regularität

$$g^*_{H,rel} = 20$$
$$g^*_{C,rel} = 37$$


NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 40/360 = 0.111 (links)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 & ORS18input: *olv\* setrgbcolor*

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: *Startup (S) data depend*

**Ausgabe: Farbmetrisches Fernseh-Licht-System TLS70**

für Buntton  $h^* = lab^*h = 22/360 = 0.061$

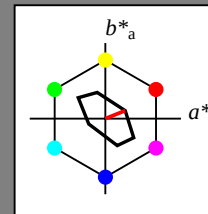
*lab\*tch* und *lab\*nch*

## D65: Buntton O

**LCH\*Ma: 76 28 22**

olv\*Ma: 1.0 0.0 0.0

## Dreiecks-Helligkeit

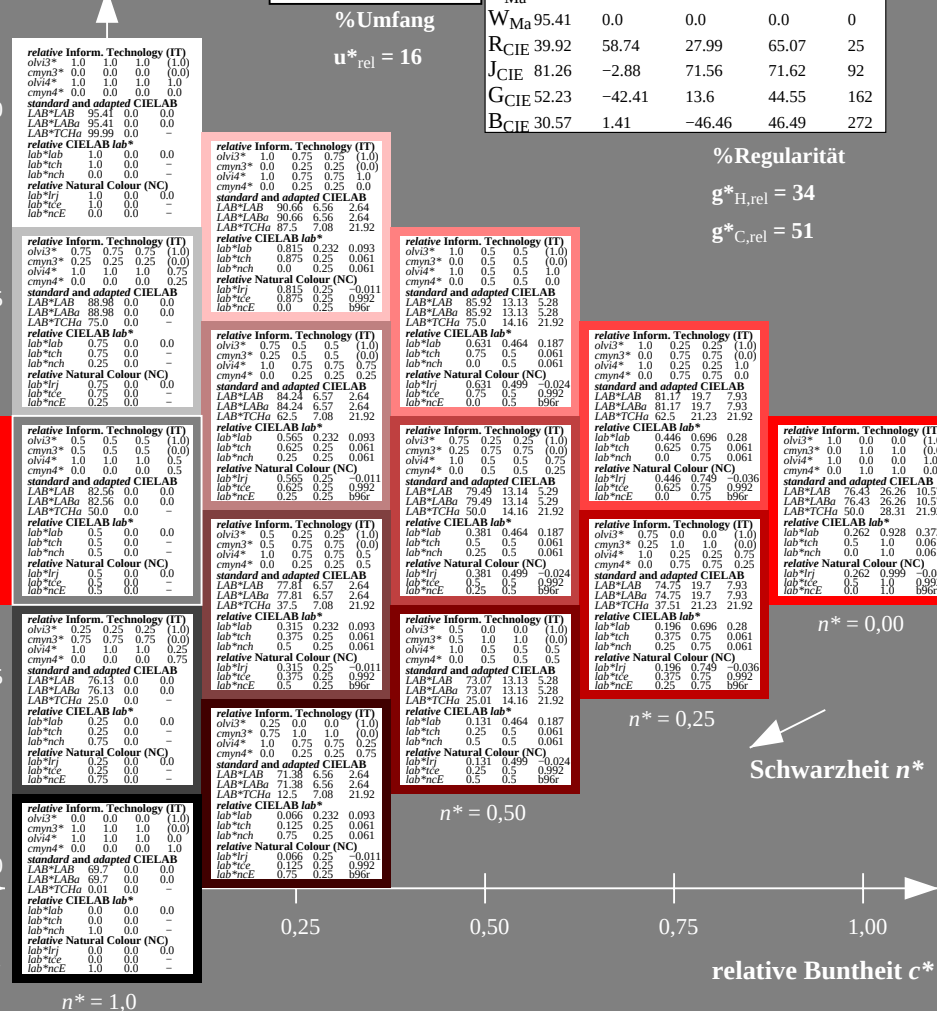


%Umfang

$$\mathbf{u}_{\text{rel}}^* = 16$$

| TSL70; adaptierte CIELAB-Daten |            |            |            |              |              |
|--------------------------------|------------|------------|------------|--------------|--------------|
|                                | $L^*_{Ma}$ | $a^*_{Ma}$ | $b^*_{Ma}$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 76.43      | 26.27      | 10.57      | 28.32        | 22           |
| Y <sub>Ma</sub>                | 93.93      | -10.76     | 34.63      | 36.27        | 107          |
| L <sub>Ma</sub>                | 89.32      | -35.8      | 27.64      | 45.24        | 142          |
| C <sub>Ma</sub>                | 90.93      | -21.95     | -7.07      | 23.07        | 198          |
| V <sub>Ma</sub>                | 72.1       | 15.76      | -35.63     | 38.97        | 294          |
| M <sub>Ma</sub>                | 78.5       | 37.52      | -25.23     | 45.22        | 326          |
| N <sub>Ma</sub>                | 69.7       | 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      | 58.74      | 27.99      | 65.07        | 25           |
| J <sub>CIE</sub>               | 81.26      | -2.88      | 71.56      | 71.62        | 92           |
| G <sub>CIE</sub>               | 52.23      | -42.41     | 13.6       | 44.55        | 162          |
| B <sub>CIE</sub>               | 30.57      | 1.41       | -46.46     | 46.49        | 272          |

### %Regularität

$$g^*_{H,rel} = 34$$
$$g^*_{C,rel} = 51$$
5 stufige Reihen für konstanten CIELAB Buntton  $22/360 = 0.061$  (rechts)

Eingabe: Farbmatisches Fernseh-Licht-System TLS00

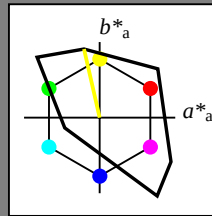
für Buntton  $h^* = lab^*h = 103/360 = 0.286$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton Y

LCH\*Ma: 93 93 103

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 158$ 

1,00

0,75

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TLS00; adaptierte CIELAB-Daten

|                  | $L^* = L^*_{a,a}$ | $a^*_{a,a}$ | $b^*_{a,a}$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------------|-------------|-------------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5              | 76.92       | 64.55       | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66             | -20.69      | 90.75       | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63             | -82.75      | 79.9        | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88             | -46.16      | -13.55      | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39             | 76.06       | -103.59     | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3              | 94.35       | -58.41      | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01              | 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             | 58.74       | 27.99       | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26             | -2.88       | 71.56       | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23             | -42.41      | 13.6        | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57             | 1.41        | -46.46      | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

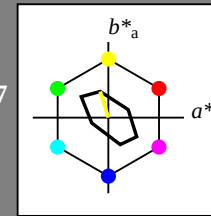
für Buntton  $h^* = lab^*h = 107/360 = 0.298$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton Y

LCH\*Ma: 94 36 107

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 16$ 

1,00

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TLS70; adaptierte CIELAB-Daten

|                  | $L^* = L^*_{a,a}$ | $a^*_{a,a}$ | $b^*_{a,a}$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------------|-------------|-------------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43             | 26.27       | 10.57       | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93             | -10.76      | 34.63       | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32             | -35.8       | 27.64       | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93             | -21.95      | -7.07       | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1              | 15.76       | -35.63      | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5              | 37.52       | -25.23      | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7              | 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             | 58.74       | 27.99       | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26             | -2.88       | 71.56       | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23             | -42.41      | 13.6        | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57             | 1.41        | -46.46      | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 103/360 = 0.286 (links)

5 stufige Reihen für konstanten CIELAB Buntton 107/360 = 0.298 (rechts)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

Eingabe: Farbmatisches Fernseh-Licht-System TLS00

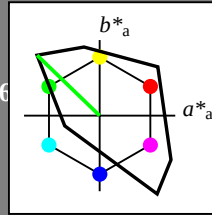
für Buntton  $h^* = lab^*h = 136/360 = 0.378$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton L

LCH\*Ma: 84 115 136

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 158$ 

TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$  $n^* = 1,0$ relative Buntheit  $c^*$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 136/360 = 0.378 (links)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

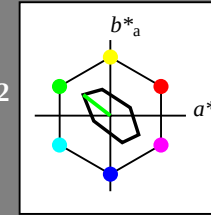
für Buntton  $h^* = lab^*h = 142/360 = 0.395$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton L

LCH\*Ma: 89 45 142

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 16$ 

TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$

Eingabe: Farbmatisches Fernseh-Licht-System TLS00

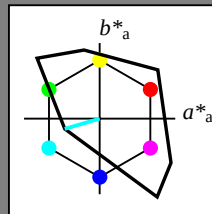
für Buntton  $h^* = lab^*h = 196/360 = 0.545$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton C

LCH\*Ma: 87 48 196

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

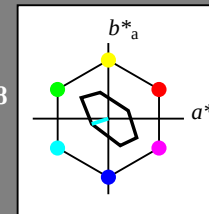
für Buntton  $h^* = lab^*h = 198/360 = 0.55$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton C

LCH\*Ma: 91 23 198

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit



TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.545 (links)

5 stufige Reihen für konstanten CIELAB Buntton 198/360 = 0.55 (rechts)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend



Eingabe: Farbmatisches Fernseh-Licht-System TLS00

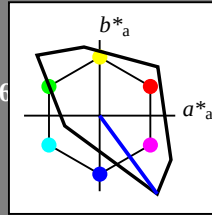
für Buntton  $h^* = lab^*h = 306/360 = 0.851$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton V

LCH\*Ma: 30 129 306

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



| TLS00; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>                | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>                | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>                | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>                | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>                | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>                | 0.01        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

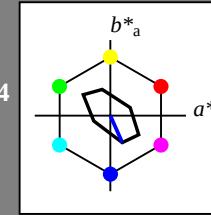
für Buntton  $h^* = lab^*h = 294/360 = 0.816$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton V

LCH\*Ma: 72 39 294

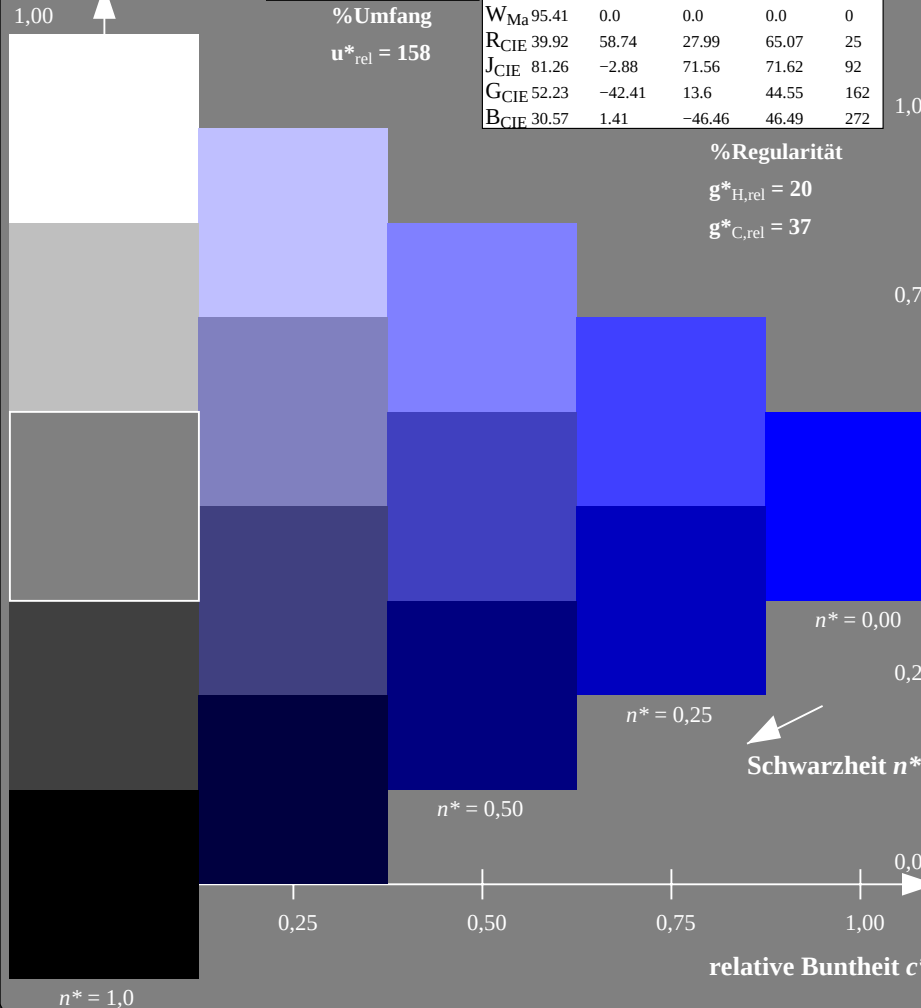
olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit



| TLS70; adaptierte CIELAB-Daten |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>                | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>                | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>                | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>                | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>                | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>                | 69.7        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>               | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>               | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>               | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

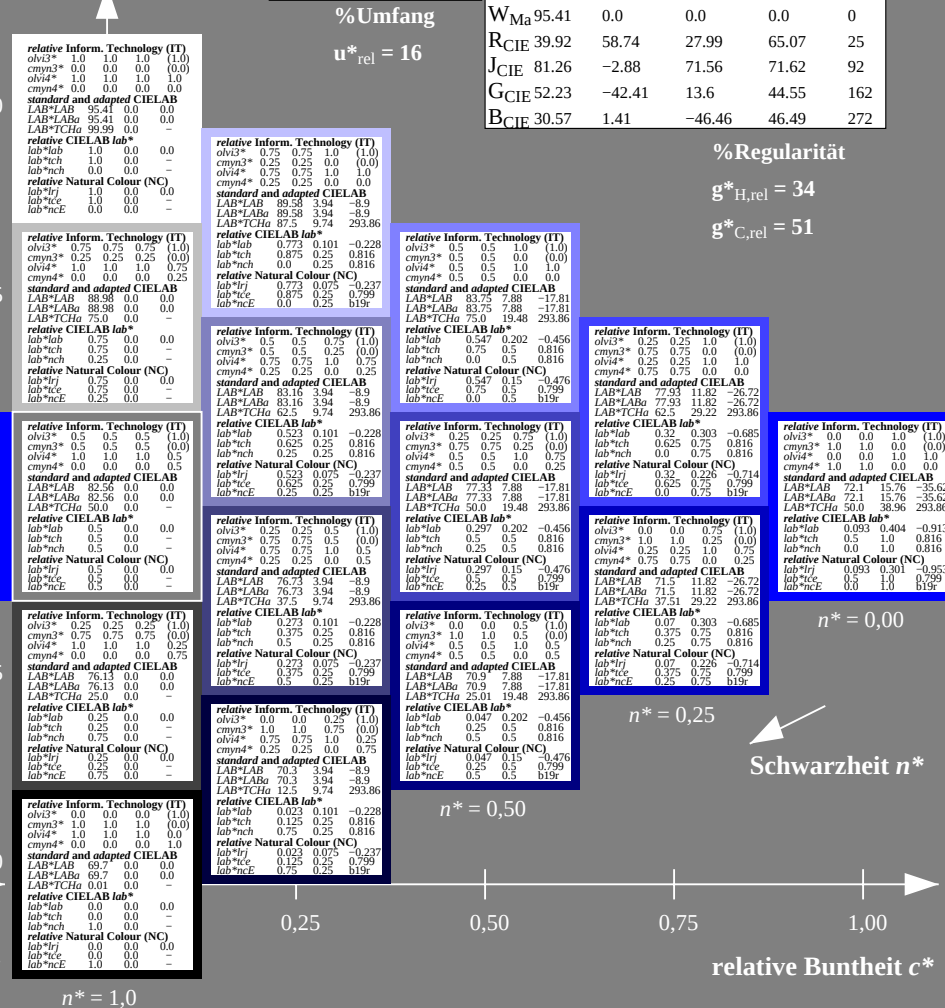
%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 306/360 = 0.851 (links)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend



5 stufige Reihen für konstanten CIELAB Buntton 294/360 = 0.816 (rechts)

Eingabe: Farbmatisches Fernseh-Licht-System TLS00

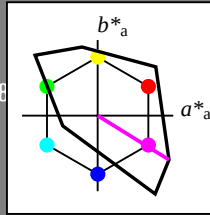
für Buntton  $h^* = lab^*h = 328/360 = 0.912$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton M

LCH\*Ma: 57 111 328

olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit



TLS00; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5          | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66         | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63         | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88         | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39         | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3          | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01          | 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

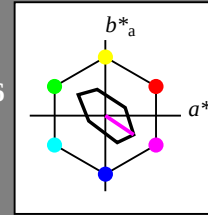
für Buntton  $h^* = lab^*h = 326/360 = 0.906$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton M

LCH\*Ma: 79 45 326

olv\*Ma: 1.0 0.0 1.0

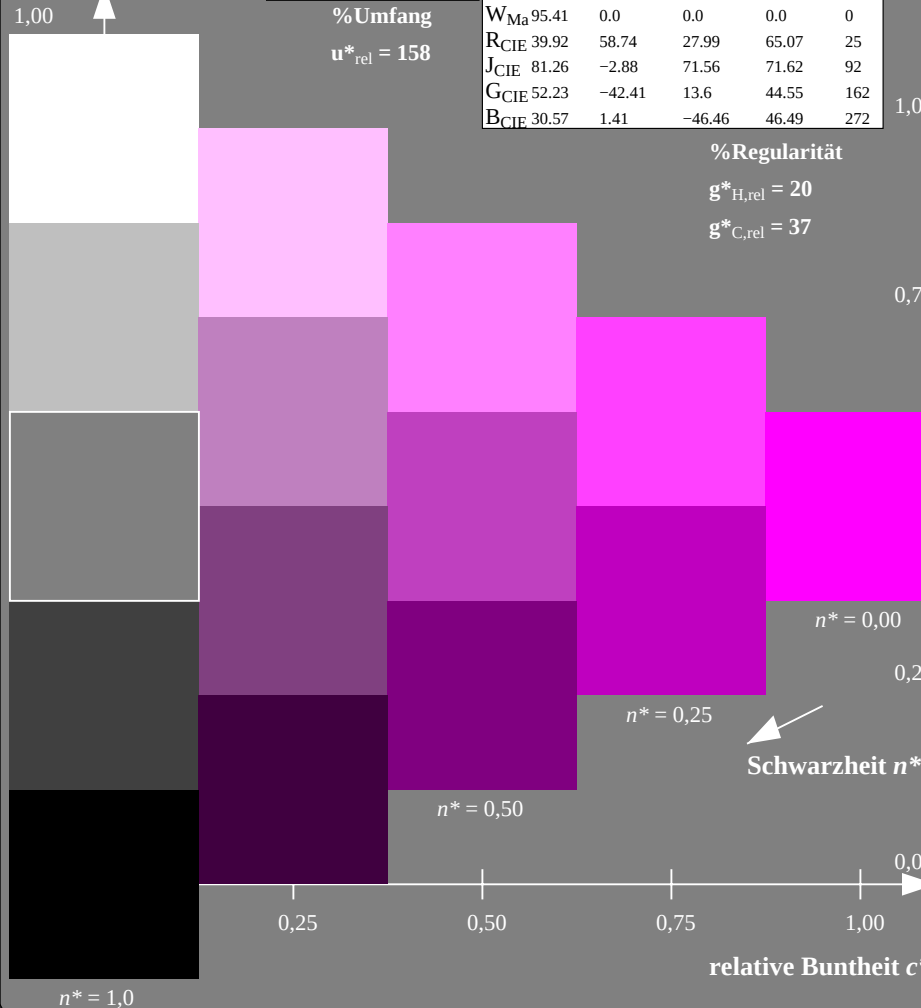
Dreiecks-Helligkeit



TLS70; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43         | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93         | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32         | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93         | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1          | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5          | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7          | 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

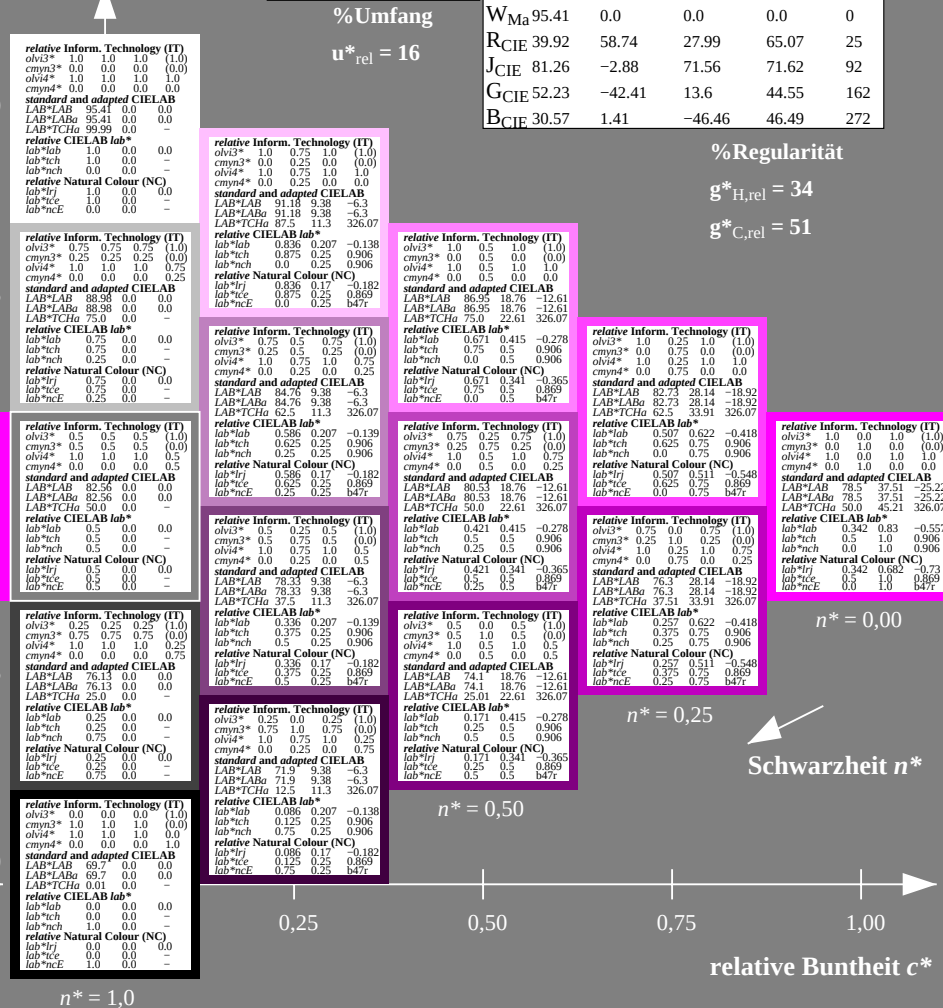
%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 328/360 = 0.912 (links)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependent



5 stufige Reihen für konstanten CIELAB Buntton 326/360 = 0.906 (rechts)

Eingabe: Farbmatisches Fernseh-Licht-System TLS00

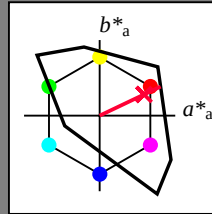
für Buntton  $h^* = lab^*h = 25/360 = 0.071$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton R

LCH\*Ma: 52 89 25

olv\*Ma: 1.0 0.0 0.21

Dreiecks-Helligkeit



TLS00; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5          | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66         | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63         | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88         | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39         | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3          | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01          | 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

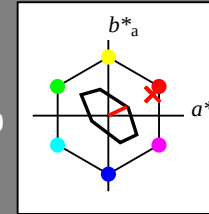
für Buntton  $h^* = lab^*h = 25/360 = 0.071$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton R

LCH\*Ma: 77 27 25

olv\*Ma: 1.0 0.05 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 16$ 

TLS70; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43         | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93         | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32         | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93         | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1          | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5          | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7          | 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (links)

5 stufige Reihen für konstanten CIELAB Buntton 25/360 = 0.071 (rechts)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

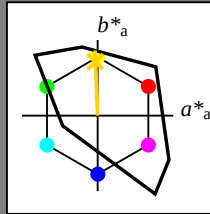
für Buntton  $h^* = lab^*h = 92/360 = 0.256$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton J

LCH\*Ma: 85 86 92

olv\*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 158$ 

TLS00; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5          | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66         | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63         | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88         | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39         | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3          | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01          | 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

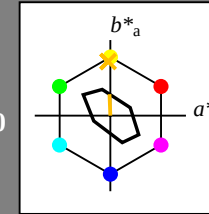
für Buntton  $h^* = lab^*h = 92/360 = 0.256$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton J

LCH\*Ma: 89 28 92

olv\*Ma: 1.0 0.74 0.0

Dreiecks-Helligkeit



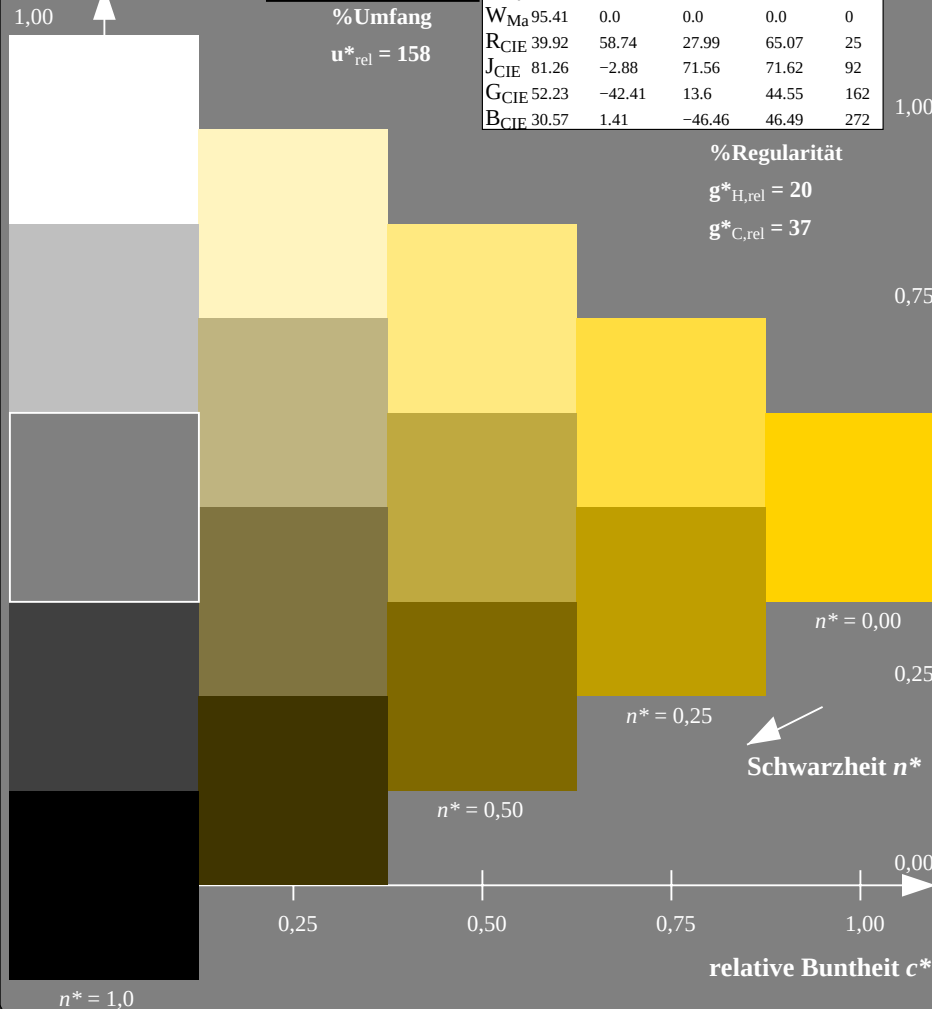
%Umfang

 $u^*_{rel} = 16$ 

TLS70; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43         | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93         | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32         | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93         | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1          | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5          | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7          | 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         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

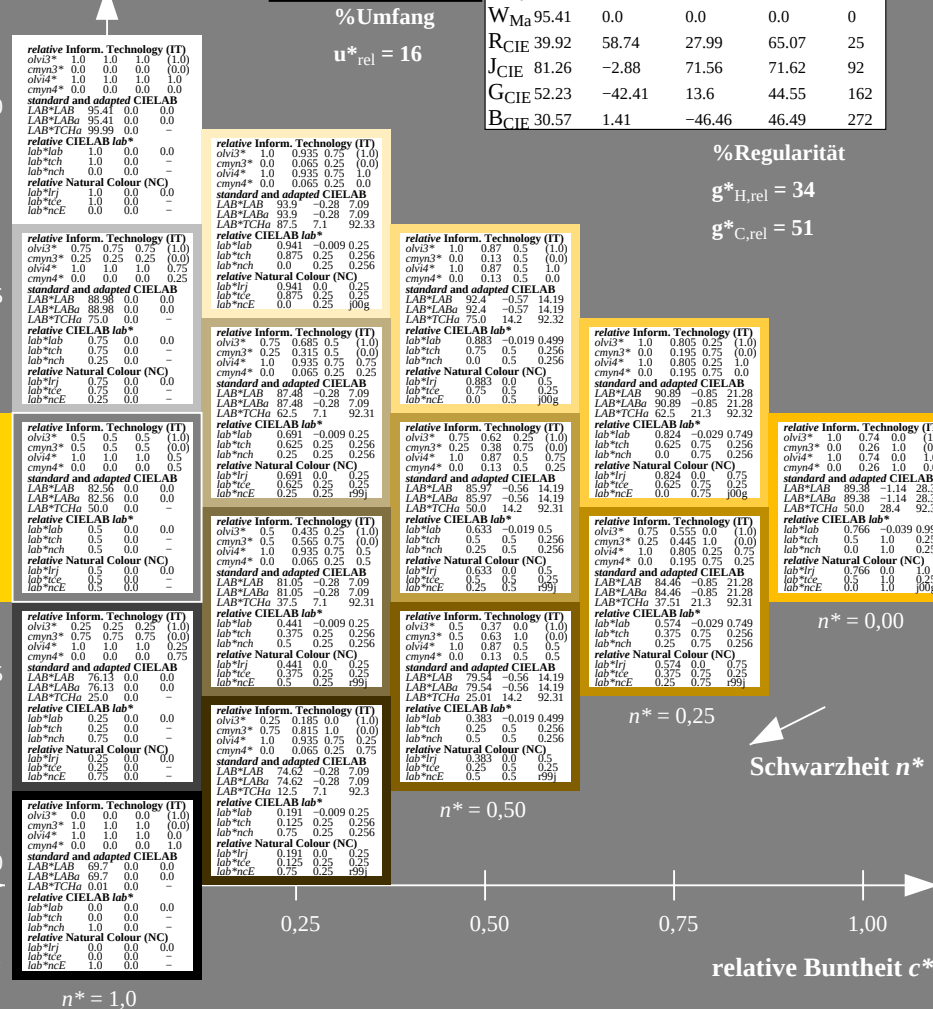
%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

BAM-Prüfvorlage NG43; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend



5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (rechts)



Eingabe: Farbmatisches Fernseh-Licht-System TLS00

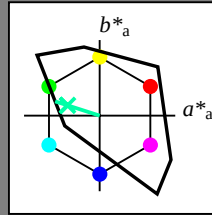
für Buntton  $h^* = lab^*h = 162/360 = 0.451$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton G

LCH\*Ma: 86 62 162

olv\*Ma: 0.0 1.0 0.65

Dreiecks-Helligkeit



TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

Ausgabe: Farbmatisches Fernseh-Licht-System TLS70

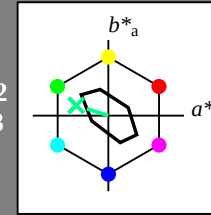
für Buntton  $h^* = lab^*h = 162/360 = 0.451$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton G

LCH\*Ma: 90 30 162

olv\*Ma: 0.0 1.0 0.53

Dreiecks-Helligkeit



%Umfang

 $u^*_{rel} = 16$ 

TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (rechts)

BAM-Prüfvorlage NG43; Farbmatrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend

Eingabe: Farbmétrisches Fernseh-Licht-System TLS00

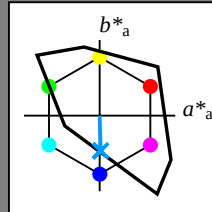
für Buntton  $h^* = lab^*h = 272/360 = 0.755$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton B

LCH\*Ma: 65 49 272

olv\*Ma: 0.0 0.61 1.0

Dreiecks-Helligkeit



TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub>  | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub>  | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub>  | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub>  | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub>  | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub>  | 0.01        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 20$  $g^*_{C,rel} = 37$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

Ausgabe: Farbmétrisches Fernseh-Licht-System TLS70

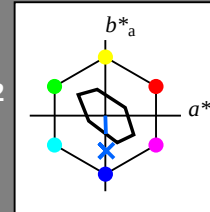
für Buntton  $h^* = lab^*h = 272/360 = 0.755$  $lab^*tch$  und  $lab^*nch$ 

D65: Buntton B

LCH\*Ma: 80 24 272

olv\*Ma: 0.0 0.4 1.0

Dreiecks-Helligkeit



TLS70; adaptierte CIELAB-Daten

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>  | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>  | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>  | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>  | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>  | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>  | 69.7        | 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

%Regularität

 $g^*_{H,rel} = 34$  $g^*_{C,rel} = 51$ 

1,00

0,75

 $n^* = 0,00$ 

0,25

 $n^* = 0,25$  $n^* = 0,50$ relative Buntheit  $c^*$ 

NG430-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (rechts)

BAM-Prüfvorlage NG43; Farbmétrik-Systeme ORS18 &amp; ORS18input: olv\* setrgbcolor

D65: 5stufige Farbreihen und Koordinatendaten für 10 Bunttöne output: Startup (S) data dependend