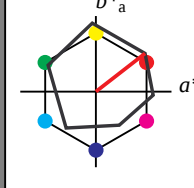


## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18 für Buntton $h^* = lab^*h = 38/360 = 0.105$ $lab^*ch$ und $lab^*nch$

D50: Buntton O  
LCH\*Ma: 48 82 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 94$

relative Inform. Technology (IT)

|         |       |        |      |       |
|---------|-------|--------|------|-------|
| olv3*   | 1.0   | 1.0    | 1.0  | (1.0) |
| cmv3*   | 0.0   | 0.0    | 0.0  | (0.0) |
| olv4*   | 1.0   | 1.0    | 1.0  | (1.0) |
| cmv4*   | 0.0   | 0.0    | 0.0  | (0.0) |
| LAB*LAB | 95.46 | -39.49 | 4.69 |       |
| LAB*LAB | 95.46 | 0.0    | 0.0  |       |
| LAB*LAB | 99.99 | 0.01   | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 1.0 | 0.0 | 0.0 |  |
| lab*ch  | 1.0 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 1.0 | 0.0 | 0.0 |  |
| lab*trc | 1.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |       |       |       |
|---------|-------|-------|-------|-------|
| olv3*   | 1.0   | 0.75  | 0.75  | (1.0) |
| cmv3*   | 0.0   | 0.25  | 0.25  | (0.0) |
| olv4*   | 1.0   | 0.75  | 0.75  | (1.0) |
| cmv4*   | 0.0   | 0.25  | 0.25  | (0.0) |
| LAB*LAB | 83.58 | 16.02 | 16.54 |       |
| LAB*LAB | 83.58 | 16.26 | 12.63 |       |
| LAB*LAB | 97.5  | 20.59 | 37.84 |       |

standard and adapted CIELAB

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*lab | 0.846 | 0.197 | 0.153 |  |
| lab*ch  | 0.875 | 0.25  | 0.105 |  |
| lab*nch | 0.0   | 0.25  | 0.105 |  |

relative Natural Colour (NC)

|         |       |      |       |  |
|---------|-------|------|-------|--|
| lab*trj | 0.846 | 0.24 | 0.071 |  |
| lab*trc | 0.875 | 0.25 | 0.046 |  |
| lab*ncc | 0.0   | 0.25 | 0.119 |  |

relative Inform. Technology (IT)

|         |       |       |      |       |
|---------|-------|-------|------|-------|
| olv3*   | 0.75  | 0.75  | 0.75 | (1.0) |
| cmv3*   | 0.25  | 0.25  | 0.25 | (0.0) |
| olv4*   | 1.0   | 1.0   | 1.0  | (1.0) |
| cmv4*   | 0.0   | 0.0   | 0.0  | (0.0) |
| LAB*LAB | 76.12 | -0.12 | 3.4  |       |
| LAB*LAB | 76.12 | 0.0   | 0.0  |       |
| LAB*LAB | 75.0  | 0.01  | 0.0  |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.75 | 0.0 | 0.0 |  |
| lab*ch  | 0.75 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.75 | 0.0 | 0.0 |  |
| lab*trc | 0.75 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olv3*   | 0.75  | 0.75 | 0.75 | (1.0) |
| cmv3*   | 0.25  | 0.25 | 0.25 | (0.0) |
| olv4*   | 1.0   | 1.0  | 1.0  | (1.0) |
| cmv4*   | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 56.78 | 3.12 | 2.11 |       |
| LAB*LAB | 56.78 | 0.0  | 0.0  |       |
| LAB*LAB | 50.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.5 | 0.0 | 0.0 |  |
| lab*ch  | 0.5 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.5 | 0.0 | 0.0 |  |
| lab*trc | 0.5 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olv3*   | 0.25  | 0.25 | 0.25 | (1.0) |
| cmv3*   | 0.75  | 0.75 | 0.75 | (0.0) |
| olv4*   | 1.0   | 1.0  | 1.0  | (1.0) |
| cmv4*   | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 37.44 | 0.62 | 0.62 |       |
| LAB*LAB | 37.44 | 0.0  | 0.0  |       |
| LAB*LAB | 25.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.25 | 0.0 | 0.0 |  |
| lab*ch  | 0.25 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.25 | 0.0 | 0.0 |  |
| lab*trc | 0.25 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |      |      |      |       |
|---------|------|------|------|-------|
| olv3*   | 0.0  | 0.0  | 0.0  | (1.0) |
| cmv3*   | 1.0  | 1.0  | 1.0  | (0.0) |
| olv4*   | 1.0  | 1.0  | 1.0  | (1.0) |
| cmv4*   | 0.0  | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.1 | 0.67 | 0.46 |       |
| LAB*LAB | 18.1 | 0.0  | 0.0  |       |
| LAB*LAB | 0.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |      |      |      |       |
|---------|------|------|------|-------|
| olv3*   | 0.0  | 0.0  | 0.0  | (1.0) |
| cmv3*   | 1.0  | 1.0  | 1.0  | (0.0) |
| olv4*   | 1.0  | 1.0  | 1.0  | (1.0) |
| cmv4*   | 0.0  | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.1 | 0.67 | 0.46 |       |
| LAB*LAB | 18.1 | 0.0  | 0.0  |       |
| LAB*LAB | 0.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

relative Inform. Technology (IT)

|         |      |      |      |       |
|---------|------|------|------|-------|
| olv3*   | 0.0  | 0.0  | 0.0  | (1.0) |
| cmv3*   | 1.0  | 1.0  | 1.0  | (0.0) |
| olv4*   | 1.0  | 1.0  | 1.0  | (1.0) |
| cmv4*   | 0.0  | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.1 | 0.67 | 0.46 |       |
| LAB*LAB | 18.1 | 0.0  | 0.0  |       |
| LAB*LAB | 0.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

OG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

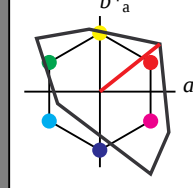
BAM-Prüfvorlage QG50; Farbmetrik-Systeme ORS18 & TLS00 input:  $cmv0^* setcmykcolor$

D50: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00 für Buntton $h^* = lab^*h = 38/360 = 0.107$ $lab^*ch$ und $lab^*nch$

D50: Buntton O  
LCH\*Ma: 54 101 38  
olv\*Ma: 1.0 0.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 156$

relative Inform. Technology (IT)

|         |       |      |     |       |
|---------|-------|------|-----|-------|
| olv3*   | 1.0   | 1.0  | 1.0 | (1.0) |
| cmv3*   | 0.0   | 0.0  | 0.0 | (0.0) |
| olv4*   | 1.0   | 1.0  | 1.0 | (1.0) |
| cmv4*   | 0.0   | 0.0  | 0.0 | (0.0) |
| LAB*LAB | 95.41 | 0.0  | 0.0 |       |
| LAB*LAB | 95.41 | 0.0  | 0.0 |       |
| LAB*LAB | 99.99 | 0.01 | 0.0 |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 1.0 | 0.0 | 0.0 |  |
| lab*ch  | 1.0 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 1.0 | 0.0 | 0.0 |  |
| lab*trc | 1.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

1,00

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)

|         |      |       |       |       |
|---------|------|-------|-------|-------|
| olv3*   | 1.0  | 0.5   | 0.5   | (1.0) |
| cmv3*   | 0.0  | 0.5   | 0.5   | (0.0) |
| olv4*   | 1.0  | 0.5   | 0.5   | (1.0) |
| cmv4*   | 0.0  | 0.5   | 0.5   | (0.0) |
| LAB*LAB | 71.7 | 32.45 | 28.38 |       |
| LAB*LAB | 71.7 | 32.52 | 25.26 |       |
| LAB*LAB | 75.0 | 41.18 | 37.84 |       |

standard and adapted CIELAB

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*lab | 0.693 | 0.395 | 0.307 |  |
| lab*ch  | 0.75  | 0.5   | 0.105 |  |
| lab*nch | 0.0   | 0.5   | 0.105 |  |

relative Natural Colour (NC)

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*trj | 0.693 | 0.479 | 0.143 |  |
| lab*trc | 0.75  | 0.5   | 0.046 |  |
| lab*ncc | 0.0   | 0.5   | 0.119 |  |

relative Inform. Technology (IT)

|         |       |       |       |       |
|---------|-------|-------|-------|-------|
| olv3*   | 0.75  | 0.25  | 0.25  | (1.0) |
| cmv3*   | 0.25  | 0.75  | 0.75  | (0.0) |
| olv4*   | 1.0   | 0.5   | 0.5   | (1.0) |
| cmv4*   | 0.0   | 0.5   | 0.5   | (0.0) |
| LAB*LAB | 52.36 | 32.72 | 27.09 |       |
| LAB*LAB | 52.36 | 32.53 | 25.27 |       |
| LAB*LAB | 50.0  | 41.19 | 37.84 |       |

standard and adapted CIELAB

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*lab | 0.443 | 0.395 | 0.307 |  |
| lab*ch  | 0.5   | 0.5   | 0.105 |  |
| lab*nch | 0.0   | 0.5   | 0.105 |  |

relative Natural Colour (NC)

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*trj | 0.443 | 0.479 | 0.143 |  |
| lab*trc | 0.5   | 0.5   | 0.046 |  |
| lab*ncc | 0.0   | 0.5   | 0.119 |  |

relative Inform. Technology (IT)

|         |       |       |       |       |
|---------|-------|-------|-------|-------|
| olv3*   | 0.5   | 0.0   | 0.0   | (1.0) |
| cmv3*   | 0.5   | 0.75  | 0.75  | (0.0) |
| olv4*   | 1.0   | 0.5   | 0.5   | (1.0) |
| cmv4*   | 0.0   | 0.5   | 0.5   | (0.0) |
| LAB*LAB | 40.48 | 49.14 | 38.93 |       |
| LAB*LAB | 40.48 | 48.78 | 37.9  |       |
| LAB*LAB | 37.51 | 61.78 | 37.84 |       |

standard and adapted CIELAB

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*lab | 0.289 | 0.592 | 0.46  |  |
| lab*ch  | 0.375 | 0.75  | 0.105 |  |
| lab*nch | 0.0   | 0.75  | 0.105 |  |

relative Natural Colour (NC)

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*trj | 0.289 | 0.719 | 0.214 |  |
| lab*trc | 0.375 | 0.75  | 0.046 |  |
| lab*ncc | 0.0   | 0.75  | 0.119 |  |

relative Inform. Technology (IT)

|         |       |       |       |       |
|---------|-------|-------|-------|-------|
| olv3*   | 0.25  | 0.0   | 0.0   | (1.0) |
| cmv3*   | 0.75  | 0.0   | 0.0   | (0.0) |
| olv4*   | 1.0   | 0.25  | 0.25  | (1.0) |
| cmv4*   | 0.0   | 0.25  | 0.25  | (0.0) |
| LAB*LAB | 33.02 | 32.98 | 25.26 |       |
| LAB*LAB | 33.02 | 32.52 | 25.26 |       |
| LAB*LAB | 25.01 | 41.18 | 37.84 |       |

standard and adapted CIELAB

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*lab | 0.193 | 0.395 | 0.307 |  |
| lab*ch  | 0.25  | 0.5   | 0.105 |  |
| lab*nch | 0.0   | 0.5   | 0.105 |  |

relative Natural Colour (NC)

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*trj | 0.193 | 0.479 | 0.143 |  |
| lab*trc | 0.25  | 0.5   | 0.046 |  |
| lab*ncc | 0.0   | 0.5   | 0.119 |  |

relative Inform. Technology (IT)

|         |      |      |      |       |
|---------|------|------|------|-------|
| olv3*   | 0.0  | 0.0  | 0.0  | (1.0) |
| cmv3*   | 1.0  | 0.0  | 0.0  | (0.0) |
| olv4*   | 1.0  | 0.0  | 0.0  | (1.0) |
| cmv4*   | 0.0  | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 18.1 | 0.67 | 0.46 |       |
| LAB*LAB | 18.1 | 0.0  | 0.0  |       |
| LAB*LAB | 0.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*lab | 0.0 | 0.0 | 0.0 |  |
| lab*ch  | 0.0 | 0.0 | 0.0 |  |
| lab*nch | 0.0 | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |     |     |     |  |
|---------|-----|-----|-----|--|
| lab*trj | 0.0 | 0.0 | 0.0 |  |
| lab*trc | 0.0 | 0.0 | 0.0 |  |
| lab*ncc | 0.0 | 0.0 | 0.0 |  |

OG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 38/360 = 0.105 (links)

relative Inform. Technology (IT)

|         |       |      |      |       |
|---------|-------|------|------|-------|
| olv3*   | 0.75  | 0.75 | 0.75 | (1.0) |
| cmv3*   | 0.25  | 0.25 | 0.25 | (0.0) |
| olv4*   | 1.0   | 1.0  | 1.0  | (1.0) |
| cmv4*   | 0.0   | 0.0  | 0.0  | (0.0) |
| LAB*LAB | 71.57 | 0.0  | 0.0  |       |
| LAB*LAB | 71.57 | 0.0  | 0.0  |       |
| LAB*LAB | 75.0  | 0.01 | 0.0  |       |

relative CIELAB lab\*

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*lab | 0.5  | 0.0 | 0.0 |  |
| lab*ch  | 0.75 | 0.0 | 0.0 |  |
| lab*nch | 0.0  | 0.0 | 0.0 |  |

relative Natural Colour (NC)

|         |      |     |     |  |
|---------|------|-----|-----|--|
| lab*trj | 0.75 | 0.0 | 0.0 |  |
| lab*trc | 0.75 | 0.0 | 0.0 |  |
| lab*ncc | 0.0  | 0.0 | 0.0 |  |

0,75

relative Inform. Technology (IT)

|         |       |       |       |       |
|---------|-------|-------|-------|-------|
| olv3*   | 0.5   | 0.5   | 0.5   | (1.0) |
| cmv3*   | 0.5   | 0.5   | 0.5   | (0.0) |
| olv4*   | 1.0   | 1.0   | 1.0   | (1.0) |
| cmv4*   | 0.0   | 0.0   | 0.0   | (0.0) |
| LAB*LAB | 47.94 | 65.3  | 52.06 |       |
| LAB*LAB | 47.94 | 65.04 | 50.53 |       |
| LAB*LAB | 50.0  | 82.36 | 37.84 |       |

standard and adapted CIELAB

|         |       |      |       |  |
|---------|-------|------|-------|--|
| lab*lab | 0.388 | 0.79 | 0.613 |  |
| lab*ch  | 0.5   | 1.0  | 0.105 |  |
| lab*nch | 0.0   | 1.0  | 0.105 |  |

relative Natural Colour (NC)

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*trj | 0.388 | 0.958 | 0.285 |  |
| lab*trc | 0.5   | 1.0   | 0.046 |  |
| lab*ncc | 0.0   | 1.0   | 0.119 |  |

relative Inform. Technology (IT)

|         |       |       |       |       |
|---------|-------|-------|-------|-------|
| olv3*   | 0.5   | 0.25  | 0.25  | (1.0) |
| cmv3*   | 0.25  | 0.75  | 0.75  | (0.0) |
| olv4*   | 1.0   | 0.5   | 0.5   | (1.0) |
| cmv4*   | 0.0   | 0.5   | 0.5   | (0.0) |
| LAB*LAB | 37.41 | 19.84 | 15.75 |       |
| LAB*LAB | 37.41 | 19.84 | 15.75 |       |
| LAB*LAB | 37.5  | 25.33 | 38.44 |       |

standard and adapted CIELAB

|         |       |       |       |  |
|---------|-------|-------|-------|--|
| lab*lab | 0.392 | 0.196 | 0.155 |  |
| lab*ch  | 0.375 | 0.25  | 0.107 |  |
| lab*nch | 0.0   | 0.25  | 0.107 |  |

relative Natural Colour (NC)

|         |       |      |       |  |
|---------|-------|------|-------|--|
| lab*trj | 0.392 | 0.24 | 0.071 |  |
| lab*trc | 0.375 | 0.25 | 0.046 |  |
| lab*ncc | 0.0   | 0.25 | 0.119 |  |

relative Inform. Technology (IT)

|       |      |     |     |       |
|-------|------|-----|-----|-------|
| olv3* | 0.25 | 0.0 | 0.0 | (1.0) |
| cmv3* | 0.75 | 0.0 | 0.0 | (0.0) |

### Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 93/360 = 0.258$

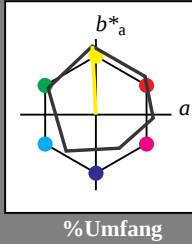
$lab^*ch$  und  $lab^*nch$

D50: Buntton Y

LCH\*Ma: 91 91 93

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



### ORS18; adaptierte CIELAB-Daten

|                  | $L^*=L_a$ | $a^*$  | $b^*$  | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|--------|--------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94     | 65.05  | 50.54  | 82.38        | 38           |
| Y <sub>Ma</sub>  | 91.0      | -4.72  | 90.58  | 90.7         | 93           |
| L <sub>Ma</sub>  | 50.9      | -63.18 | 34.98  | 72.22        | 151          |
| C <sub>Ma</sub>  | 56.99     | -39.34 | -48.1  | 62.16        | 231          |
| V <sub>Ma</sub>  | 25.72     | 30.89  | -44.4  | 54.09        | 305          |
| M <sub>Ma</sub>  | 49.99     | 75.76  | -4.64  | 75.9         | 356          |
| N <sub>Ma</sub>  | 18.09     | 0.0    | 0.0    | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.46     | 0.0    | 0.0    | 0.0          | 0            |
| R <sub>CIE</sub> | 41.88     | 61.66  | 30.69  | 68.88        | 26           |
| J <sub>CIE</sub> | 81.97     | 2.02   | 67.79  | 67.82        | 88           |
| G <sub>CIE</sub> | 51.62     | -41.32 | 9.74   | 42.46        | 167          |
| B <sub>CIE</sub> | 29.2      | -5.79  | -49.61 | 49.96        | 263          |

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.46 -39.34 49.99  
LAB\*LAB 95.46 0.0 0.0  
LAB\*TCMa 99.99 0.01

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*trc 1.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 94.34 -1.56 27.26  
LAB\*LAB 94.34 -1.56 27.26  
LAB\*TCMa 87.5 22.67 92.99

relative CIELAB lab\*  
lab\*lab 0.971 -0.025 0.499  
lab\*ch 0.75 0.5 0.258  
lab\*nch 0.0 0.5 0.258  
relative Natural Colour (NC)  
lab\*trj 0.971 -0.046 0.498  
lab\*trc 0.75 0.5 0.258  
lab\*ncc 0.0 0.5 0.258

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*TCMa 75.0 0.01

relative CIELAB lab\*  
lab\*lab 0.75 0.5 0.0  
lab\*ch 0.75 0.5 0.0  
lab\*nch 0.0 0.5 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.5 0.0  
lab\*trc 0.75 0.5 0.0  
lab\*ncc 0.0 0.5 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.5 (1.0)  
cmyn3\* 0.25 0.25 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 73.89 -2.46 48.55  
LAB\*LAB 73.89 -2.46 48.55  
LAB\*TCMa 50.0 45.35 92.99

relative CIELAB lab\*  
lab\*lab 0.957 -0.038 0.749  
lab\*ch 0.625 0.75 0.258  
lab\*nch 0.0 0.75 0.258  
relative Natural Colour (NC)  
lab\*trj 0.957 -0.069 0.747  
lab\*trc 0.625 0.75 0.258  
lab\*ncc 0.0 0.75 0.258

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.78 0.13 2.11  
LAB\*LAB 56.78 0.13 2.11  
LAB\*TCMa 50.0 0.01

relative CIELAB lab\*  
lab\*lab 0.5 0.5 0.0  
lab\*ch 0.5 0.5 0.0  
lab\*nch 0.0 0.5 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.5 0.0  
lab\*trc 0.5 0.5 0.0  
lab\*ncc 0.0 0.5 0.0

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 55.66 -1.02 24.69  
LAB\*LAB 55.66 -1.02 24.69  
LAB\*TCMa 37.5 22.68 92.99

relative CIELAB lab\*  
lab\*lab 0.486 -0.012 0.25  
lab\*ch 0.375 0.25 0.258  
lab\*nch 0.0 0.25 0.258  
relative Natural Colour (NC)  
lab\*trj 0.486 -0.022 0.249  
lab\*trc 0.375 0.25 0.258  
lab\*ncc 0.0 0.25 0.258

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.48 -0.37 0.82  
LAB\*LAB 37.48 -0.37 0.82  
LAB\*TCMa 25.0 0.01

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.5 (1.0)  
cmyn3\* 0.75 0.75 1.0 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 36.32 -0.75 23.89  
LAB\*LAB 36.32 -0.75 23.89  
LAB\*TCMa 12.5 22.67 92.99

relative CIELAB lab\*  
lab\*lab 0.236 -0.012 0.25  
lab\*ch 0.125 0.25 0.258  
lab\*nch 0.0 0.25 0.258  
relative Natural Colour (NC)  
lab\*trj 0.236 -0.022 0.249  
lab\*trc 0.125 0.25 0.258  
lab\*ncc 0.0 0.25 0.258

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.46  
LAB\*LAB 18.1 0.0 0.46  
LAB\*TCMa 0.0 0.01

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*trc 0.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

OG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 93/360 = 0.258 (links)

### Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 100/360 = 0.277$

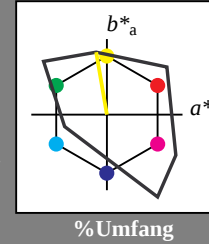
$lab^*ch$  und  $lab^*nch$

D50: Buntton Y

LCH\*Ma: 93 84 100

olv\*Ma: 1.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



### TLS00; adaptierte CIELAB-Daten

|                  | $L^*=L_a$ | $a^*$  | $b^*$   | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-----------|--------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 54.19     | 79.36  | 63.0    | 101.33       | 38           |
| Y <sub>Ma</sub>  | 93.44     | -14.18 | 82.59   | 83.8         | 100          |
| L <sub>Ma</sub>  | 82.82     | -83.73 | 70.41   | 109.41       | 140          |
| C <sub>Ma</sub>  | 85.22     | -55.9  | -15.78  | 58.1         | 196          |
| V <sub>Ma</sub>  | 25.61     | 67.05  | -108.87 | 127.87       | 302          |
| M <sub>Ma</sub>  | 58.76     | 91.18  | -53.69  | 105.82       | 330          |
| 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> | 41.88     | 62.0   | 31.82   | 69.69        | 27           |
| J <sub>CIE</sub> | 81.97     | 1.81   | 71.59   | 71.61        | 89           |
| G <sub>CIE</sub> | 51.62     | -41.11 | 11.52   | 42.7         | 164          |
| B <sub>CIE</sub> | 29.2      | -5.27  | -49.33  | 49.62        | 264          |

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0  
LAB\*TCMa 99.99 0.01

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*trc 1.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 94.91 -3.54 20.64  
LAB\*LAB 94.91 -3.54 20.64  
LAB\*TCMa 87.5 20.94 99.75

relative CIELAB lab\*  
lab\*lab 0.995 -0.041 0.246  
lab\*ch 0.875 0.25 0.277  
lab\*nch 0.0 0.25 0.277  
relative Natural Colour (NC)  
lab\*trj 0.995 -0.056 0.243  
lab\*trc 0.875 0.25 0.287  
lab\*ncc 0.0 0.25 0.287

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.57 0.0 0.0  
LAB\*LAB 71.57 0.0 0.0  
LAB\*TCMa 75.0 0.01

relative CIELAB lab\*  
lab\*lab 0.75 0.5 0.0  
lab\*ch 0.75 0.5 0.0  
lab\*nch 0.0 0.5 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.5 0.0  
lab\*trc 0.75 0.5 0.0  
lab\*ncc 0.0 0.5 0.0

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.5 (1.0)  
cmyn3\* 0.25 0.25 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.07 -3.54 20.65  
LAB\*LAB 71.07 -3.54 20.65  
LAB\*TCMa 62.5 20.95 99.75

relative CIELAB lab\*  
lab\*lab 0.75 0.5 0.258  
lab\*ch 0.75 0.5 0.277  
lab\*nch 0.0 0.5 0.277  
relative Natural Colour (NC)  
lab\*trj 0.75 0.5 0.287  
lab\*trc 0.75 0.5 0.287  
lab\*ncc 0.0 0.5 0.287

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 47.72 0.0 0.0  
LAB\*LAB 47.72 0.0 0.0  
LAB\*TCMa 50.0 0.01

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*trc 0.5 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 47.22 -3.54 20.65  
LAB\*LAB 47.22 -3.54 20.65  
LAB\*TCMa 37.5 20.95 99.75

relative CIELAB lab\*  
lab\*lab 0.495 -0.084 0.493  
lab\*ch 0.5 0.5 0.277  
lab\*nch 0.0 0.5 0.277  
relative Natural Colour (NC)  
lab\*trj 0.495 -0.056 0.243  
lab\*trc 0.5 0.5 0.287  
lab\*ncc 0.0 0.5 0.287

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.48 -0.37 0.82  
LAB\*LAB 37.48 -0.37 0.82  
LAB\*TCMa 25.0 0.01

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.5 (1.0)  
cmyn3\* 0.75 0.75 1.0 (0.0)  
olv4\* 1.0 1.0 0.5 (1.0)  
cmyn4\* 0.0 0.0 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 36.32 -0.75 23.89  
LAB\*LAB 36.32 -0.75 23.89  
LAB\*TCMa 12.5 20.94 99.75

relative CIELAB lab\*  
lab\*lab 0.236 -0.012 0.246  
lab\*ch 0.125 0.25 0.277  
lab\*nch 0.0 0.25 0.277  
relative Natural Colour (NC)  
lab\*trj 0.236 -0.056 0.243  
lab\*trc 0.125 0.25 0.287  
lab\*ncc 0.0 0.25 0.287

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*LAB 0.0 0.0 0.0  
LAB\*TCMa 0.0 0.01

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*trc 0.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

5 stufige Reihen für konstanten CIELAB Buntton 100/360 = 0.277 (rechts)

BAM-Prüfvorlage QG50; Farbmetrik-Systeme ORS18 & TLS00 input: cmy0\* setcmykcolor

D50: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 151/360 = 0.42$

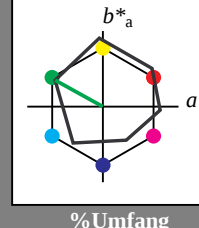
$lab^*ch$  und  $lab^*nch$

D50: Buntton L

LCH\*Ma: 51 72 151

olv\*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 94$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 1.0  
cmyn4\* 0.0 0.0 0.0 0.0  
LAB\*LAB 95.46 -0.39 4.69  
LAB\*Lab 95.46 0.0 0.0  
LAB\*TChA 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 1.0 0.0 0.0  
lab\*tc 1.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 1.0 0.0 0.0  
lab\*tc 1.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*Lab 76.12 0.0 0.0  
LAB\*TChA 75.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.75 0.0 0.0  
lab\*tc 0.75 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.75 0.0 0.0  
lab\*tc 0.75 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 56.78 0.13 2.11  
LAB\*Lab 56.78 0.0 0.0  
LAB\*TChA 50.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.5 0.0 0.0  
lab\*tc 0.5 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.5 0.0 0.0  
lab\*tc 0.5 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 37.44 0.0 0.0  
LAB\*Lab 37.44 0.0 0.0  
LAB\*TChA 25.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.25 0.0 0.0  
lab\*tc 0.25 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.25 0.0 0.0  
lab\*tc 0.25 0.0 0.0  
lab\*nc 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       | 65.05   | 50.54   | 82.38        | 38           |
| Y <sub>Ma</sub> | 91.0        | -4.72   | 90.58   | 90.7         | 93           |
| L <sub>Ma</sub> | 50.9        | -63.18  | 34.98   | 72.22        | 151          |
| C <sub>Ma</sub> | 56.99       | -39.34  | -48.1   | 62.16        | 231          |
| V <sub>Ma</sub> | 25.72       | 30.89   | -44.4   | 54.09        | 305          |
| M <sub>Ma</sub> | 49.99       | 75.76   | -4.64   | 75.9         | 356          |
| N <sub>Ma</sub> | 18.09       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub> | 95.46       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE            | 41.88       | 61.66   | 30.69   | 68.88        | 26           |
| JCIE            | 81.97       | 2.02    | 67.79   | 67.82        | 88           |
| GCIE            | 51.62       | -41.32  | 9.74    | 42.46        | 167          |
| BCIE            | 29.2        | -5.79   | -49.61  | 49.96        | 263          |

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 0.5 0.5 0.5 0.5  
cmyn4\* 0.0 0.0 0.0 0.0  
LAB\*LAB 73.18 -31.58 17.49  
LAB\*Lab 73.18 0.0 0.0  
LAB\*TChA 75.0 36.1 151.03

relative CIELAB lab\*  
lab\*lab 0.712 -0.436 0.242  
lab\*ch 0.712 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.712 -0.436 0.242  
lab\*tc 0.712 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.712 -0.436 0.242  
lab\*tc 0.712 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 62.04 -47.31 28.7  
LAB\*Lab 62.04 -47.31 28.7  
LAB\*TChA 62.5 54.16 151.03

relative CIELAB lab\*  
lab\*lab 0.568 -0.655 0.363  
lab\*ch 0.568 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.568 -0.655 0.363  
lab\*tc 0.568 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.568 -0.655 0.363  
lab\*tc 0.568 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 50.9 -62.95 36.7  
LAB\*Lab 50.9 -62.95 36.7  
LAB\*TChA 50.0 72.21 151.03

relative CIELAB lab\*  
lab\*lab 0.424 -0.874 0.484  
lab\*ch 0.424 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.424 -0.874 0.484  
lab\*tc 0.424 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.424 -0.874 0.484  
lab\*tc 0.424 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 42.7 -47.04 27.41  
LAB\*Lab 42.7 -47.04 27.41  
LAB\*TChA 42.7 -47.04 27.41

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 0.25 0.25 0.25 0.25  
cmyn4\* 0.0 0.0 0.0 0.0  
LAB\*LAB 62.04 -47.31 28.7  
LAB\*Lab 62.04 -47.31 28.7  
LAB\*TChA 62.5 54.16 151.03

relative CIELAB lab\*  
lab\*lab 0.568 -0.655 0.363  
lab\*ch 0.568 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.568 -0.655 0.363  
lab\*tc 0.568 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.568 -0.655 0.363  
lab\*tc 0.568 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 50.9 -62.95 36.7  
LAB\*Lab 50.9 -62.95 36.7  
LAB\*TChA 50.0 72.21 151.03

relative CIELAB lab\*  
lab\*lab 0.424 -0.874 0.484  
lab\*ch 0.424 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.424 -0.874 0.484  
lab\*tc 0.424 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.424 -0.874 0.484  
lab\*tc 0.424 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 42.7 -47.04 27.41  
LAB\*Lab 42.7 -47.04 27.41  
LAB\*TChA 42.7 -47.04 27.41

relative CIELAB lab\*  
lab\*lab 0.318 -0.655 0.363  
lab\*ch 0.318 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.318 -0.655 0.363  
lab\*tc 0.318 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.318 -0.655 0.363  
lab\*tc 0.318 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 34.5 -31.58 17.49  
LAB\*Lab 34.5 -31.58 17.49  
LAB\*TChA 25.01 36.1 151.03

relative CIELAB lab\*  
lab\*lab 0.212 -0.436 0.242  
lab\*ch 0.212 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.212 -0.436 0.242  
lab\*tc 0.212 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.212 -0.436 0.242  
lab\*tc 0.212 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 26.3 -15.78 8.74  
LAB\*Lab 26.3 -15.78 8.74  
LAB\*TChA 12.5 18.05 151.03

relative CIELAB lab\*  
lab\*lab 0.106 -0.218 0.121  
lab\*ch 0.106 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.106 -0.218 0.121  
lab\*tc 0.106 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.106 -0.218 0.121  
lab\*tc 0.106 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*Lab 18.1 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*Lab 0.0 0.0 0.0  
LAB\*TChA 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*tc 0.0 0.0 0.0  
lab\*nc 0.0 0.0 -

## Eingabe: Farbmetrisches Offset-Refektiv-System ORS18

für Buntton  $h^* = lab^*h = 231/360 = 0.641$

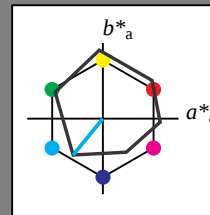
$lab^*ch$  und  $lab^*nch$

D50: Buntton C

LCH\*Ma: 57 62 231

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 94$

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |
| LAB*Lab | 57.62 | -12.12 | 34.58 |       |

OG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 231/360 = 0.641 (links)

BAM-Prüfvorlage QG50; Farbmetrik-Systeme ORS18 & TLS00 input:  $cmv0^* setcmvcolor$

D50: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 196/360 = 0.544$

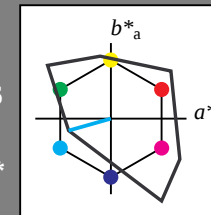
$lab^*ch$  und  $lab^*nch$

D50: Buntton C

LCH\*Ma: 85 58 196

olv\*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 156$

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

relative Inform. Technology (IT)

|         |       |        |       |       |
|---------|-------|--------|-------|-------|
| olv3*   | 0.75  | 0.75   | 0.75  | (1.0) |
| olv4*   | 0.25  | 0.25   | 0.25  | (0.0) |
| olv5*   | 0.0   | 0.0    | 0.0   | (0.0) |
| olv6*   | 0.0   | 0.0    | 0.0   | (0.0) |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |
| LAB*Lab | 85.58 | -19.62 | 34.58 |       |

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.544 (rechts)

BAM-Prüfvorlage QG50; Farbmetrik-Systeme ORS18 & TLS00 input:  $cmv0^* setcmvcolor$

D50: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: no change compared to input

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

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

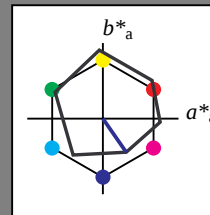
$lab^*ch$  und  $lab^*nch$

D50: Buntton V

LCH\*Ma: 26 54 305

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 94$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 1.0  
cmyn4\* 0.0 0.0 0.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 95.46 -39.49 4.69  
LAB\*LABa 95.46 0.0 0.0  
LAB\*LABb 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*lrce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 0.75  
cmyn4\* 0.0 0.0 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LABa 76.12 0.0 0.0  
LAB\*LABb 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*lrce 0.75 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 0.5  
cmyn4\* 0.0 0.0 0.0 0.5  
standard and adapted CIELAB  
LAB\*LAB 56.78 0.13 2.11  
LAB\*LABa 56.78 0.0 0.0  
LAB\*LABb 50.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*lrce 0.5 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 1.0 1.0 1.0 0.25  
cmyn4\* 0.0 0.0 0.0 0.75  
standard and adapted CIELAB  
LAB\*LAB 37.18 0.67 0.82  
LAB\*LABa 37.18 0.0 0.0  
LAB\*LABb 25.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.25 0.0 0.0  
lab\*lrce 0.25 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 0.0  
cmyn4\* 0.0 0.0 0.0 1.0  
standard and adapted CIELAB  
LAB\*LAB 18.11 0.67 0.46  
LAB\*LABa 18.11 0.0 0.0  
LAB\*LABb 0.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*lrce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 -

$n^* = 1.0$

## ORS18; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 47.94         | 65.05   | 50.54   | 82.38        | 38           |
| Y <sub>Ma</sub>  | 91.0          | -4.72   | 90.58   | 90.7         | 93           |
| L <sub>Ma</sub>  | 50.9          | -63.18  | 34.98   | 72.22        | 151          |
| C <sub>Ma</sub>  | 56.99         | -39.34  | -48.1   | 62.16        | 231          |
| V <sub>Ma</sub>  | 25.72         | 30.89   | -44.4   | 54.09        | 305          |
| M <sub>Ma</sub>  | 49.99         | 75.76   | -4.64   | 75.9         | 356          |
| N <sub>Ma</sub>  | 18.09         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.46         | 0.0     | 0.0     | 0.0          | 0            |
| RC <sub>IE</sub> | 41.88         | 61.66   | 30.69   | 68.88        | 26           |
| J <sub>CIE</sub> | 81.97         | 2.02    | 67.79   | 67.82        | 88           |
| G <sub>CIE</sub> | 51.62         | -41.32  | 9.74    | 42.46        | 167          |
| B <sub>CIE</sub> | 29.2          | -5.79   | -49.61  | 49.96        | 263          |

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 1.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 0.75 0.75 1.0 1.0  
cmyn4\* 0.25 0.25 0.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 78.02 7.56 -7.55  
LAB\*LABa 78.02 7.72 -11.09  
LAB\*LABb 87.5 13.52 304.82

relative CIELAB lab\*  
lab\*lab 0.75 0.143 -0.204  
lab\*ch 0.875 0.25 0.847  
lab\*nch 0.0 0.25 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.775 0.126 -0.215  
lab\*lrce 0.875 0.25 0.834  
lab\*nce 0.0 0.25 0.834

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.75 (1.0)  
cmyn3\* 0.5 0.5 0.25 (0.0)  
olv4\* 0.75 0.75 1.0 0.75  
cmyn4\* 0.25 0.25 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 60.59 15.52 -19.82  
LAB\*LABa 60.59 15.44 -22.19  
LAB\*LABb 75.0 27.04 304.82

relative CIELAB lab\*  
lab\*lab 0.549 0.285 -0.409  
lab\*ch 0.75 0.5 0.847  
lab\*nch 0.0 0.5 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.549 0.252 -0.431  
lab\*lrce 0.75 0.5 0.834  
lab\*nce 0.0 0.5 0.834

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.75 (1.0)  
cmyn3\* 0.75 0.75 0.25 (0.0)  
olv4\* 0.5 0.5 1.0 0.75  
cmyn4\* 0.25 0.25 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 41.25 15.44 -22.19  
LAB\*LABa 41.25 15.44 -22.19  
LAB\*LABb 50.0 27.04 304.82

relative CIELAB lab\*  
lab\*lab 0.299 0.285 -0.409  
lab\*ch 0.5 0.5 0.847  
lab\*nch 0.0 0.5 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.299 0.252 -0.431  
lab\*lrce 0.5 0.5 0.834  
lab\*nce 0.0 0.5 0.834

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.5 (1.0)  
cmyn3\* 1.0 1.0 0.5 (0.0)  
olv4\* 0.5 0.5 1.0 0.5  
cmyn4\* 0.5 0.5 0.0 0.5  
standard and adapted CIELAB  
LAB\*LAB 21.91 16.06 -33.42  
LAB\*LABa 21.91 15.44 -22.19  
LAB\*LABb 25.01 27.04 304.82

relative CIELAB lab\*  
lab\*lab 0.049 0.285 -0.409  
lab\*ch 0.25 0.5 0.847  
lab\*nch 0.0 0.5 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.049 0.252 -0.431  
lab\*lrce 0.25 0.5 0.834  
lab\*nce 0.0 0.5 0.834

$n^* = 0.50$

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 1.0 (1.0)  
cmyn3\* 0.75 0.75 0.0 (0.0)  
olv4\* 0.25 0.25 1.0 1.0  
cmyn4\* 0.75 0.75 0.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 43.15 23.48 -32.08  
LAB\*LABa 43.15 23.48 -32.08  
LAB\*LABb 62.5 40.56 304.82

relative CIELAB lab\*  
lab\*lab 0.324 0.428 -0.615  
lab\*ch 0.625 0.75 0.847  
lab\*nch 0.0 0.75 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.324 0.379 -0.646  
lab\*lrce 0.625 0.75 0.834  
lab\*nce 0.0 0.75 0.834

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.75 (1.0)  
cmyn3\* 1.0 1.0 0.0 (0.0)  
olv4\* 0.0 0.0 1.0 1.0  
cmyn4\* 0.0 0.0 0.0 0.75  
standard and adapted CIELAB  
LAB\*LAB 25.73 31.44 -44.34  
LAB\*LABa 25.73 30.88 -44.39  
LAB\*LABb 50.0 54.08 304.82

relative CIELAB lab\*  
lab\*lab 0.099 0.571 -0.82  
lab\*ch 0.5 1.0 0.847  
lab\*nch 0.0 1.0 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.099 0.505 -0.862  
lab\*lrce 0.5 1.0 0.834  
lab\*nce 0.0 1.0 0.834

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.25 (1.0)  
cmyn3\* 1.0 1.0 0.25 (0.0)  
olv4\* 0.25 0.25 1.0 0.25  
cmyn4\* 0.75 0.75 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 23.82 23.75 -33.37  
LAB\*LABa 23.82 23.16 -33.29  
LAB\*LABb 37.51 40.56 304.82

relative CIELAB lab\*  
lab\*lab 0.074 0.428 -0.615  
lab\*ch 0.375 0.75 0.847  
lab\*nch 0.0 0.75 0.847  
relative Natural Colour (NC)  
lab\*lrj 0.074 0.379 -0.646  
lab\*lrce 0.25 0.75 0.834  
lab\*nce 0.0 0.75 0.834

$n^* = 0.25$

Schwarzheit  $n^*$

$n^* = 0.00$

relative Buntheit  $c^*$

0.25 0.50 0.75 1.00

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 302/360 = 0.838$

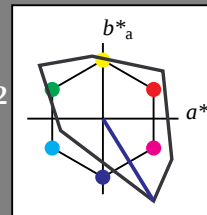
$lab^*ch$  und  $lab^*nch$

D50: Buntton V

LCH\*Ma: 26 128 302

olv\*Ma: 0.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 156$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 1.0  
cmyn4\* 0.0 0.0 0.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 1.0 0.0 0.0  
lab\*lrce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 0.75  
cmyn4\* 0.0 0.0 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 71.57 0.0 0.0  
LAB\*LABa 71.57 0.0 0.0  
LAB\*LABb 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.75 0.0 0.0  
lab\*lrce 0.75 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 0.5  
cmyn4\* 0.0 0.0 0.0 0.5  
standard and adapted CIELAB  
LAB\*LAB 56.78 0.13 2.11  
LAB\*LABa 56.78 0.0 0.0  
LAB\*LABb 50.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.5 0.0 0.0  
lab\*lrce 0.5 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 1.0 1.0 1.0 0.25  
cmyn4\* 0.0 0.0 0.0 0.75  
standard and adapted CIELAB  
LAB\*LAB 37.18 0.67 0.82  
LAB\*LABa 37.18 0.0 0.0  
LAB\*LABb 25.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*lrj 0.25 0.0 0.0  
lab\*lrce 0.25 0.0 0.0  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 0.0  
cmyn4\* 0.0 0.0 0.0 1.0  
standard and adapted CIELAB  
LAB\*LAB 18.11 0.67 0.46  
LAB\*LABa 18.11 0.0 0.0  
LAB\*LABb 0.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*lrj 0.0 0.0 0.0  
lab\*lrce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 -

$n^* = 1.0$

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.75 (1.0)  
cmyn3\* 0.5 0.5 0.25 (0.0)  
olv4\* 0.75 0.75 1.0 0.75  
cmyn4\* 0.25 0.25 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 60.51 33.52 -54.42  
LAB\*LABa 60.51 33.52 -54.42  
LAB\*LABb 75.0 63.92 301.63

relative CIELAB lab\*  
lab\*lab 0.634 0.262 -0.425  
lab\*ch 0.75 0.5 0.838  
lab\*nch 0.0 0.5 0.838  
relative Natural Colour (NC)  
lab\*lrj 0.634 0.231 -0.442  
lab\*lrce 0.75 0.5 0.827  
lab\*nce 0.0 0.5 0.834

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.75 (1.0)  
cmyn3\* 0.75 0.75 0.25 (0.0)  
olv4\* 0.5 0.5 1.0 0.75  
cmyn4\* 0.25 0.25 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 36.66 33.53 -54.43  
LAB\*LABa 36.66 33.53 -54.43  
LAB\*LABb 50.0 63.93 301.63

relative CIELAB lab\*  
lab\*lab 0.384 0.262 -0.425  
lab\*ch 0.5 0.5 0.838  
lab\*nch 0.0 0.5 0.838  
relative Natural Colour (NC)  
lab\*lrj 0.384 0.231 -0.442  
lab\*lrce 0.5 0.5 0.827  
lab\*nce 0.0 0.5 0.834

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.5 (1.0)  
cmyn3\* 1.0 1.0 0.5 (0.0)  
olv4\* 0.5 0.5 1.0 0.5  
cmyn4\* 0.5 0.5 0.0 0.5  
standard and adapted CIELAB  
LAB\*LAB 21.91 16.06 -33.42  
LAB\*LABa 21.91 15.44 -22.19  
LAB\*LABb 25.01 27.04 304.82

relative CIELAB lab\*  
lab\*lab 0.031 0.393 -0.638  
lab\*ch 0.375 0.75 0.838  
lab\*nch 0.0 0.75 0.838  
relative Natural Colour (NC)  
lab\*lrj 0.031 0.347 -0.664  
lab\*lrce 0.25 0.75 0.827  
lab\*nce 0.0 0.75 0.834

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.25 (1.0)  
cmyn3\* 1.0 1.0 0.25 (0.0)  
olv4\* 0.25 0.25 1.0 0.25  
cmyn4\* 0.75 0.75 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 12.82 16.76 -27.2  
LAB\*LABa 12.82 16.76 -27.2  
LAB\*LABb 12.5 31.95 301.63

relative CIELAB lab\*  
lab\*lab 0.134 0.262 -0.425  
lab\*ch 0.25 0.5 0.838  
lab\*nch 0.0 0.5 0.838  
relative Natural Colour (NC)  
lab\*lrj 0.134 0.231 -0.442  
lab\*lrce 0.25 0.5 0.827  
lab\*nce 0.0 0.5 0.834

$n^* = 0.50$

## TLS00; adaptierte CIELAB-Daten

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 54.19         | 79.36   | 63.0    | 101.33       | 38           |
| Y <sub>Ma</sub>  | 93.44         | -14.18  | 82.59   | 83.8         | 100          |
| L <sub>Ma</sub>  | 82.82         | -83.73  | 70.41   | 109.41       | 140          |
| C <sub>Ma</sub>  | 85.22         | -55.9   | -15.78  | 58.1         | 196          |
| V <sub>Ma</sub>  | 25.61         | 67.05   | -108.87 | 127.87       | 302          |
| M <sub>Ma</sub>  | 58.76         | 91.18   | -53.69  | 105.82       | 330          |
| 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            |
| RC <sub>IE</sub> | 41.88         | 62.0    | 31.82   | 69.69        | 27           |
| J <sub>CIE</sub> | 81.97         | 1.81    | 71.59   | 71.61        | 89           |
| G <sub>CIE</sub> | 51.62         | -41.11  | 11.52   | 42.7         | 164          |
| B <sub>CIE</sub> | 29.2          | -5.27   | -49.33  | 49.62        | 264          |

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 1.0 (1.0)  
cmyn3\* 0.25 0.25 0.0 (0.0)  
olv4\* 0.75 0.75 1.0 1.0  
cmyn4\* 0.25 0.25 0.0 0.0  
standard and adapted CIELAB  
LAB\*LAB 60.51 33.52 -54.42  
LAB\*LABa 60.51 33.52 -54.42  
LAB\*LABb 75.0 63.92 301.63

relative CIELAB lab\*  
lab\*lab 0.634 0.262 -0.425  
lab\*ch 0.75 0.5 0.838  
lab\*nch 0.0 0.5 0.838  
relative Natural Colour (NC)  
lab\*lrj 0.634 0.231 -0.442  
lab\*lrce 0.75 0.5 0.827  
lab\*nce 0.0 0.5 0.834

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.75 (1.0)  
cmyn3\* 0.5 0.5 0.25 (0.0)  
olv4\* 0.75 0.75 1.0 0.75  
cmyn4\* 0.25 0.25 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 36.66 33.53 -54.43  
LAB\*LABa 36.66 33.53 -54.43  
LAB\*LABb 50.0 63.93 301.63

relative CIELAB lab\*  
lab\*lab 0.384 0.262 -0.425  
lab\*ch 0.5 0.5 0.838  
lab\*nch 0.0 0.5 0.838  
relative Natural Colour (NC)  
lab\*lrj 0.384 0.231 -0.442  
lab\*lrce 0.5 0.5 0.827  
lab\*nce 0.0 0.5 0.834

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.75 (1.0)  
cmyn3\* 0.75 0.75 0.25 (0.0)  
olv4\* 0.5 0.5 1.0 0.75  
cmyn4\* 0.25 0.25 0.0 0.25  
standard and adapted CIELAB  
LAB\*LAB 36.66 33.53 -

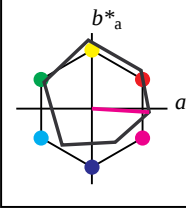
## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 356/360 = 0.99$

$lab^*ch$  und  $lab^*nch$

D50: Buntton M  
LCH\*Ma: 50 76 356  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 94$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.46 -0.39 4.69  
LAB\*LABa 95.46 0.0 0.0  
LAB\*LABb 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 1.0 0.0 0.0  
lab\*ce 1.0 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LABa 76.12 0.0 0.0  
LAB\*LABb 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.75 0.0 0.0  
lab\*ce 0.75 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.78 0.13 2.11  
LAB\*LABa 56.78 0.0 0.0  
LAB\*LABb 55.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.5 0.0 0.0  
lab\*ce 0.5 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.58 0.67 0.62  
LAB\*LABa 37.44 0.0 0.0  
LAB\*LABb 35.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.25 0.0 0.0  
lab\*ce 0.25 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LABa 18.1 0.0 0.0  
LAB\*LABb 18.1 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*ce 0.0 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*ce 0.0 0.0 -  
lab\*nce 0.0 0.0 -

OG500-7, 5 stufige Reihen für konstanten CIELAB Buntton 356/360 = 0.99 (links)

BAM-Prüfvorlage QG50; Farbmetrik-Systeme ORS18 & TLS00 input:  $cmv0^* setcmykcolor$

D50: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

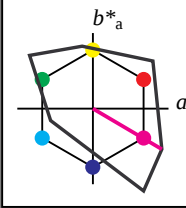
## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 330/360 = 0.915$

$lab^*ch$  und  $lab^*nch$

D50: Buntton M  
LCH\*Ma: 59 106 330  
olv\*Ma: 1.0 0.0 1.0

Dreiecks-Helligkeit  $t^*$



%Umfang

$u^*_{rel} = 156$

relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 1.0 0.0 0.0  
lab\*ce 1.0 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.57 0.0 0.0  
LAB\*LABa 71.57 0.0 0.0  
LAB\*LABb 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.75 0.0 0.0  
lab\*ce 0.75 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.95 0.0 0.0  
LAB\*LABa 49.95 0.0 0.0  
LAB\*LABb 50.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.5 0.0 0.0  
lab\*ce 0.5 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.58 0.67 0.62  
LAB\*LABa 37.44 0.0 0.0  
LAB\*LABb 35.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.25 0.0 0.0  
lab\*ce 0.25 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LABa 18.1 0.0 0.0  
LAB\*LABb 18.1 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*ce 0.0 0.0 -  
lab\*nce 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*ce 0.0 0.0 -  
lab\*nce 0.0 0.0 -

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.915 (rechts)

output:  $no\ change\ compared\ to\ input$

## TLS00; adaptierte CIELAB-Daten

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

|                  |       |        |         |        |     |
|------------------|-------|--------|---------|--------|-----|
| O <sub>Ma</sub>  | 54.19 | 79.36  | 63.0    | 101.33 | 38  |
| Y <sub>Ma</sub>  | 93.44 | -14.18 | 82.59   | 83.8   | 100 |
| L <sub>Ma</sub>  | 82.82 | -83.73 | 70.41   | 109.41 | 140 |
| C <sub>Ma</sub>  | 85.22 | -55.9  | -15.78  | 58.1   | 196 |
| V <sub>Ma</sub>  | 25.61 | 67.05  | -108.87 | 127.87 | 302 |
| M <sub>Ma</sub>  | 58.76 | 91.18  | -53.69  | 105.82 | 330 |
| 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> | 41.88 | 62.0   | 31.82   | 69.69  | 27  |
| J <sub>CIE</sub> | 81.97 | 1.81   | 71.59   | 71.61  | 89  |
| G <sub>CIE</sub> | 51.62 | -41.11 | 11.52   | 42.7   | 164 |
| B <sub>CIE</sub> | 29.2  | -5.27  | -49.33  | 49.62  | 264 |

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

relative Inform. Technology (IT)  
olv3\* 1.0 0.5 1.0 (1.0)  
cmyn3\* 0.0 0.5 0.0 (0.0)  
olv4\* 1.0 0.5 1.0 (1.0)  
cmyn4\* 0.0 0.5 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 77.08 45.58 -26.83  
LAB\*LABa 77.08 45.58 -26.83  
LAB\*LABb 75.00 52.9 329.5

relative CIELAB lab\*  
lab\*lab 0.808 0.431 -0.253  
lab\*ch 0.75 0.5 0.915  
lab\*nch 0.0 0.5 0.915  
relative Natural Colour (NC)  
lab\*tr 0.808 0.371 -0.334  
lab\*ce 0.75 0.5 0.883  
lab\*nce 0.0 0.5 0.83

relative Inform. Technology (IT)  
olv3\* 0.75 0.25 0.75 (1.0)  
cmyn3\* 0.25 0.75 0.25 (0.0)  
olv4\* 1.0 0.5 1.0 (1.0)  
cmyn4\* 0.0 0.5 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 53.24 45.59 -26.84  
LAB\*LABa 53.24 45.59 -26.84  
LAB\*LABb 50.00 52.91 329.5

relative CIELAB lab\*  
lab\*lab 0.712 0.646 -0.328  
lab\*ch 0.625 0.75 0.915  
lab\*nch 0.0 0.75 0.915  
relative Natural Colour (NC)  
lab\*tr 0.712 0.556 -0.502  
lab\*ce 0.625 0.75 0.883  
lab\*nce 0.0 0.75 0.83

relative Inform. Technology (IT)  
olv3\* 0.5 0.0 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.0 (0.0)  
olv4\* 1.0 0.5 1.0 (1.0)  
cmyn4\* 0.0 0.5 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 44.08 68.38 -40.26  
LAB\*LABa 44.08 68.38 -40.26  
LAB\*LABb 37.51 79.35 329.5

relative CIELAB lab\*  
lab\*lab 0.462 0.646 -0.38  
lab\*ch 0.375 0.75 0.915  
lab\*nch 0.0 0.75 0.915  
relative Natural Colour (NC)  
lab\*tr 0.462 0.556 -0.502  
lab\*ce 0.375 0.75 0.883  
lab\*nce 0.0 0.75 0.83

relative Inform. Technology (IT)  
olv3\* 0.25 0.0 0.25 (1.0)  
cmyn3\* 0.5 1.0 0.0 (0.0)  
olv4\* 1.0 0.5 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 29.38 45.75 13.41  
LAB\*LABa 29.38 45.75 13.41  
LAB\*LABb 25.01 52.9 329.5

relative CIELAB lab\*  
lab\*lab 0.308 0.431 -0.253  
lab\*ch 0.25 0.5 0.915  
lab\*nch 0.0 0.5 0.915  
relative Natural Colour (NC)  
lab\*tr 0.308 0.371 -0.334  
lab\*ce 0.25 0.5 0.883  
lab\*nce 0.0 0.5 0.83

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olv4\* 1.0 0.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 0.0 0.0 0.0  
LAB\*LABa 0.0 0.0 0.0  
LAB\*LABb 0.0 0.01 -

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*tr 0.0 0.0 0.0  
lab\*ce 0.0 0.0 -  
lab\*nce 0.0 0.0 -

5 stufige Reihen für konstanten CIELAB Buntton 330/360 = 0.915 (rechts)

output:  $no\ change\ compared\ to\ input$

## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 26/360 = 0.074$

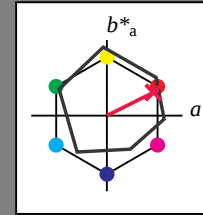
$lab^*ch$  und  $lab^*nch$

D50: Buntton R

LCH\*Ma: 49 76 26

olv\*Ma: 1.0 0.0 0.3

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 95.46 -0.39 4.69  
LAB\*LAB 95.46 0.0 0.0  
LAB\*TCa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*ch 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -

standard and adapted CIELAB  
LAB\*LAB 95.46 -0.39 4.69  
LAB\*LAB 95.46 0.0 0.0  
LAB\*TCa 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*ch 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

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olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

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cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
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LAB\*LAB 76.12 0.0 0.0  
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olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
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LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

relative CIELAB lab\*  
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lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
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lab\*lab 0.848 0.224 0.111  
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lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
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relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
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standard and adapted CIELAB  
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lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
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relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*TCa 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

relative CIELAB lab\*  
lab\*lab 0.848 0.224 0.111  
lab\*ch 0.875 0.25 0.073  
lab\*nch 0.0 0.25 0.073  
standard and adapted CIELAB  
LAB\*LAB 83.73 16.82 12.41  
LAB\*LAB 83.73 17.06 8.49  
LAB\*TCa 97.5 19.06 26.46

ORS18; adaptierte CIELAB-Daten

|                 | $L^*=L_a$ | $a^*$  | $b^*$  | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-----------|--------|--------|--------------|--------------|
| O <sub>Ma</sub> | 47.94     | 65.05  | 50.54  | 82.38        | 38           |
| Y <sub>Ma</sub> | 91.0      | -4.72  | 90.58  | 90.7         | 93           |
| L <sub>Ma</sub> | 50.9      | -63.18 | 34.98  | 72.22        | 151          |
| C <sub>Ma</sub> | 56.99     | -39.34 | -48.1  | 62.16        | 231          |
| V <sub>Ma</sub> | 25.72     | 30.89  | -44.4  | 54.09        | 305          |
| M <sub>Ma</sub> | 49.99     | 75.76  | -4.64  | 75.9         | 356          |
| N <sub>Ma</sub> | 18.09     | 0.0    | 0.0    | 0.0          | 0            |
| W <sub>Ma</sub> | 95.46     | 0.0    | 0.0    | 0.0          | 0            |
| RCIE            | 41.88     | 61.66  | 30.69  | 68.88        | 26           |
| JCIE            | 81.97     | 2.02   | 67.79  | 67.82        | 88           |
| GCIE            | 51.62     | -41.32 | 9.74   | 42.46        | 167          |
| BCIE            | 29.2      | -5.79  | -49.61 | 49.96        | 263          |

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

1.00

0.75

0.50

0.25

0.00

relative Inform. Technology (IT)

olv3\* 1.0 0.5 0.5 (1.0)

cmyn3\* 0.0 0.5 0.5 (0.0)

olv4\* 1.0 0.5 0.5 (1.0)

cmyn4\* 0.0 0.5 0.5 (0.0)

LAB\*LAB 72.0 34.05 20.12

LAB\*LAB 72.0 34.13 16.99

LAB\*TCa 75.0 38.12 26.46

relative CIELAB lab\*

lab\*lab 0.697 0.48 0.223

lab\*ch 0.75 0.5 0.074

lab\*nch 0.0 0.5 0.074

relative Natural Colour (NC)

lab\*ch 0.697 0.5 0.0

lab\*ch 0.75 0.5 0.0

lab\*nch 0.0 0.5 0.0

standard and adapted CIELAB

LAB\*LAB 60.28 51.28 27.84

LAB\*LAB 60.28 51.28 27.84

LAB\*TCa 62.5 57.18 26.46

relative CIELAB lab\*

lab\*lab 0.542 0.671 0.334

lab\*ch 0.625 0.75 0.074

lab\*nch 0.0 0.75 0.074

relative Natural Colour (NC)

lab\*ch 0.542 0.75 0.0

lab\*ch 0.625 0.75 0.0

lab\*nch 0.0 0.75 0.0

TL500; adaptierte CIELAB-Daten

|                 | $L^*=L_a$ | $a^*$  | $b^*$   | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-----------|--------|---------|--------------|--------------|
| O <sub>Ma</sub> | 54.19     | 79.36  | 63.0    | 101.33       | 38           |
| Y <sub>Ma</sub> | 93.44     | -14.18 | 82.59   | 83.8         | 100          |
| L <sub>Ma</sub> | 82.82     | -83.73 | 70.41   | 109.41       | 140          |
| C <sub>Ma</sub> | 85.22     | -55.9  | -15.78  | 58.1         | 196          |
| V <sub>Ma</sub> | 25.61     | 67.05  | -108.87 | 127.87       | 302          |
| M <sub>Ma</sub> | 58.76     | 91.18  | -53.69  | 105.82       | 330          |
| 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            |
| RCIE            | 41.88     | 62.0   | 31.82   | 69.69        | 27           |
| JCIE            | 81.97     | 1.81   | 71.59   | 71.61        | 89           |
| GCIE            | 51.62     | -41.11 | 11.52   | 42.7         | 164          |
| BCIE            | 29.2      | -5.27  | -49.33  | 49.62        | 264          |

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

1.00

0.75

0.50

0.25

0.00

relative Inform. Technology (IT)

olv3\* 1.0 0.5 0.5 (1.0)

cmyn3\* 0.0 0.5 0.5 (0.0)

olv4\* 1.0 0.5 0.5 (1.0)

cmyn4\* 0.0 0.5 0.5 (0.0)

LAB\*LAB 71.57 0.0 0.0

LAB\*LAB 71.57 0.0 0.0

LAB\*TCa 75.0 0.0 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*ch 0.75 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*ch 0.75 0.0 0.0

lab\*ch 0.75 0.0 0.0

lab\*nch 0.0 0.0 0.0

standard and adapted CIELAB

LAB\*LAB 71.57 0.0 0.0

LAB\*LAB 71.57 0.0 0.0

LAB\*TCa 75.0 0.0 0.0

relative CIELAB lab\*

lab\*lab 1.0 0.0 0.0

lab\*ch 0.75 0.0 0.0

lab\*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab\*ch 0.75 0.0 0.0

lab\*ch 0.75 0.0 0.0

lab\*nch 0.0 0.0 0.0

TL500; adaptierte CIELAB-Daten

|                 | $L^*=L_a$ | $a^*$  | $b^*$   | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------|-----------|--------|---------|--------------|--------------|
| O <sub>Ma</sub> | 54.19     | 79.36  | 63.0    | 101.33       | 38           |
| Y <sub>Ma</sub> | 93.44     | -14.18 | 82.59   | 83.8         | 100          |
| L <sub>Ma</sub> | 82.82     | -83.73 | 70.41   | 109.41       | 140          |
| C <sub>Ma</sub> | 85.22     | -55.9  | -15.78  | 58.1         | 196          |
| V <sub>Ma</sub> | 25.61     | 67.05  | -108.87 | 127.87       | 302          |
| M <sub>Ma</sub> | 58.76     | 91.18  | -53.69  | 105.82       | 330          |
| 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            |
| RCIE            | 41.88     | 62.0   | 31.82   | 69.69        | 27           |
| JCIE            | 81.97     | 1.81   | 71.59   | 71.61        | 89           |
| GCIE            | 51.62     | -41.11 | 11.52   | 42.7         | 164          |
| BCIE            | 29.2      | -5.27  | -49.33  | 49.62        | 264          |

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

1.00

0.75

0.50

A diagram showing a target with concentric circles. To the right of the target is a grey box containing an asterisk (\*).

Siehe ähnliche Dateien: <http://www.ps.bam.de/QG50>  
Technische Information: <http://www.ps.bam.de/Vers>

BAM-Registrierung: 20060101-QG50/10S/550G/Np.PS/.PDF BAM-Material: Code=rha4ta  
Anwendung für Beurteilung und Messung von Drucker- oder Monitorsystemen

Saitanz hluna g



## Eingabe: Farbmetrisches Offset-Reflektiv-System ORS18

für Buntton  $h^* = lab^*h = 263/360 = 0.731$

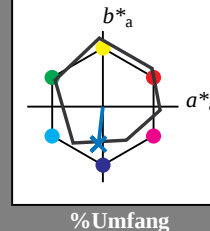
$lab^*ch$  und  $lab^*nch$

D50: Buntton B

LCH\*Ma: 42 47 263

olv\*Ma: 0.0 0.52 1.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.46 -0.39 4.69  
LAB\*LAB 95.46 0.0 0.0  
LAB\*LAB 99.99 0.01 -

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*ch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 -  
lab\*trc 1.0 0.0 -  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.12 -0.12 3.4  
LAB\*LAB 76.12 0.0 0.0  
LAB\*LAB 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*trc 0.75 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.78 0.13 2.11  
LAB\*LAB 56.78 0.0 0.0  
LAB\*LAB 50.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*trc 0.5 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.44 -0.67 0.82  
LAB\*LAB 37.44 0.0 0.0  
LAB\*LAB 25.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.44 -0.67 0.82  
LAB\*LAB 37.44 0.0 0.0  
LAB\*LAB 25.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.44 -0.67 0.82  
LAB\*LAB 37.44 0.0 0.0  
LAB\*LAB 25.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*ch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*trc 0.0 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*trc 0.0 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*trc 0.0 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.0 0.0 0.0 (0.0)  
cmyn3\* 1.0 1.0 1.0 (1.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 18.1 0.0 0.0  
LAB\*LAB 0.0 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*ch 0.0 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*trc 0.0 0.0 0.0  
lab\*ncc 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         | 65.05   | 50.54   | 82.38        | 38           |
| Y <sub>Ma</sub>  | 91.0          | -4.72   | 90.58   | 90.7         | 93           |
| L <sub>Ma</sub>  | 50.9          | -63.18  | 34.98   | 72.22        | 151          |
| C <sub>Ma</sub>  | 56.99         | -39.34  | -48.1   | 62.16        | 231          |
| V <sub>Ma</sub>  | 25.72         | 30.89   | -44.4   | 54.09        | 305          |
| M <sub>Ma</sub>  | 49.99         | 75.76   | -4.64   | 75.9         | 356          |
| N <sub>Ma</sub>  | 18.09         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 95.46         | 0.0     | 0.0     | 0.0          | 0            |
| RC <sub>IE</sub> | 41.88         | 61.66   | 30.69   | 68.88        | 26           |
| J <sub>CIE</sub> | 81.97         | 2.02    | 67.79   | 67.82        | 88           |
| G <sub>CIE</sub> | 51.62         | -41.32  | 9.74    | 42.46        | 167          |
| B <sub>CIE</sub> | 29.2          | -5.79   | -49.61  | 49.96        | 263          |

%Regularität

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 0.5 0.5 0.5 (1.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 68.67 -2.73 -20.23  
LAB\*LAB 68.67 0.0 0.0  
LAB\*LAB 75.00 23.32 263.33

relative CIELAB lab\*  
lab\*lab 0.654 -0.057 -0.496  
lab\*ch 0.75 0.5 0.731  
lab\*nch 0.0 0.5 0.731  
relative Natural Colour (NC)  
lab\*trj 0.654 0.0 -0.499  
lab\*trc 0.75 0.5 0.731  
lab\*ncc 0.0 0.5 0.731

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olv4\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.33 -2.46 -21.53  
LAB\*LAB 49.33 0.0 0.0  
LAB\*LAB 50.00 23.32 263.33

relative CIELAB lab\*  
lab\*lab 0.481 -0.086 -0.744  
lab\*ch 0.625 0.75 0.731  
lab\*nch 0.0 0.75 0.731  
relative Natural Colour (NC)  
lab\*trj 0.481 0.0 -0.749  
lab\*trc 0.625 0.75 0.731  
lab\*ncc 0.0 0.75 0.731

relative Inform. Technology (IT)  
olv3\* 0.0 0.388 0.75 (1.0)  
cmyn3\* 0.75 0.492 0.25 (0.0)  
olv4\* 0.5 0.758 1.0 (0.0)  
cmyn4\* 0.5 0.242 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.33 -2.46 -21.53  
LAB\*LAB 49.33 0.0 0.0  
LAB\*LAB 50.00 23.32 263.33

relative CIELAB lab\*  
lab\*lab 0.481 -0.086 -0.744  
lab\*ch 0.625 0.75 0.731  
lab\*nch 0.0 0.75 0.731  
relative Natural Colour (NC)  
lab\*trj 0.481 0.0 -0.749  
lab\*trc 0.625 0.75 0.731  
lab\*ncc 0.0 0.75 0.731

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.621 0.5 (0.0)  
olv4\* 0.5 0.621 0.5 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 43.1 -1.02 -10.34  
LAB\*LAB 43.1 0.0 0.0  
LAB\*LAB 37.5 11.66 263.34

relative CIELAB lab\*  
lab\*lab 0.327 -0.028 -0.247  
lab\*ch 0.375 0.25 0.731  
lab\*nch 0.0 0.25 0.731  
relative Natural Colour (NC)  
lab\*trj 0.327 0.0 -0.249  
lab\*trc 0.375 0.25 0.731  
lab\*ncc 0.0 0.25 0.731

relative Inform. Technology (IT)  
olv3\* 0.0 0.258 0.5 (1.0)  
cmyn3\* 1.0 0.742 0.5 (0.0)  
olv4\* 0.5 0.758 1.0 (0.0)  
cmyn4\* 0.5 0.25 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 29.99 -2.69 -23.15  
LAB\*LAB 29.99 0.0 0.0  
LAB\*LAB 25.00 23.32 263.33

relative CIELAB lab\*  
lab\*lab 0.231 -0.086 -0.744  
lab\*ch 0.375 0.75 0.732  
lab\*nch 0.0 0.75 0.732  
relative Natural Colour (NC)  
lab\*trj 0.231 0.0 -0.749  
lab\*trc 0.375 0.75 0.732  
lab\*ncc 0.0 0.75 0.732

relative Inform. Technology (IT)  
olv3\* 0.0 0.259 0.25 (1.0)  
cmyn3\* 1.0 0.871 0.75 (0.0)  
olv4\* 0.5 0.879 1.0 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 24.04 -1.34 -11.57  
LAB\*LAB 24.04 0.0 0.0  
LAB\*LAB 12.5 11.65 263.35

relative CIELAB lab\*  
lab\*lab 0.077 -0.028 -0.247  
lab\*ch 0.125 0.25 0.732  
lab\*nch 0.0 0.25 0.732  
relative Natural Colour (NC)  
lab\*trj 0.077 0.0 -0.249  
lab\*trc 0.125 0.25 0.732  
lab\*ncc 0.0 0.25 0.732

relative Inform. Technology (IT)  
olv3\* 0.0 0.259 0.25 (1.0)  
cmyn3\* 1.0 0.871 0.75 (0.0)  
olv4\* 0.5 0.879 1.0 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 24.04 -1.34 -11.57  
LAB\*LAB 24.04 0.0 0.0  
LAB\*LAB 12.5 11.65 263.35

relative CIELAB lab\*  
lab\*lab 0.077 -0.028 -0.247  
lab\*ch 0.125 0.25 0.732  
lab\*nch 0.0 0.25 0.732  
relative Natural Colour (NC)  
lab\*trj 0.077 0.0 -0.249  
lab\*trc 0.125 0.25 0.732  
lab\*ncc 0.0 0.25 0.732

relative Inform. Technology (IT)  
olv3\* 0.0 0.259 0.25 (1.0)  
cmyn3\* 1.0 0.871 0.75 (0.0)  
olv4\* 0.5 0.879 1.0 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 24.04 -1.34 -11.57  
LAB\*LAB 24.04 0.0 0.0  
LAB\*LAB 12.5 11.65 263.35

relative CIELAB lab\*  
lab\*lab 0.077 -0.028 -0.247  
lab\*ch 0.125 0.25 0.732  
lab\*nch 0.0 0.25 0.732  
relative Natural Colour (NC)  
lab\*trj 0.077 0.0 -0.249  
lab\*trc 0.125 0.25 0.732  
lab\*ncc 0.0 0.25 0.732

relative Inform. Technology (IT)  
olv3\* 0.0 0.259 0.25 (1.0)  
cmyn3\* 1.0 0.871 0.75 (0.0)  
olv4\* 0.5 0.879 1.0 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 24.04 -1.34 -11.57  
LAB\*LAB 24.04 0.0 0.0  
LAB\*LAB 12.5 11.65 263.35

relative CIELAB lab\*  
lab\*lab 0.077 -0.028 -0.247  
lab\*ch 0.125 0.25 0.732  
lab\*nch 0.0 0.25 0.732  
relative Natural Colour (NC)  
lab\*trj 0.077 0.0 -0.249  
lab\*trc 0.125 0.25 0.732  
lab\*ncc 0.0 0.25 0.732

## Ausgabe: Farbmetrisches Fernseh-Licht-System TLS00

für Buntton  $h^* = lab^*h = 264/360 = 0.733$

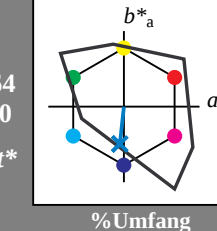
$lab^*ch$  und  $lab^*nch$

D50: Buntton B

LCH\*Ma: 61 54 264

olv\*Ma: 0.0 0.59 1.0

Dreiecks-Helligkeit  $t^*$



relative Inform. Technology (IT)  
olv3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olv4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LAB 95.41 0.0 0.0  
LAB\*LAB 99.99 0.01 -

%Regularität

$g^*_{H,rel} = 26$

$g^*_{C,rel} = 45$

relative Inform. Technology (IT)  
olv3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olv4\* 0.5 0.5 0.5 (1.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.57 0.0 0.0  
LAB\*LAB 71.57 0.0 0.0  
LAB\*LAB 75.00 0.01 -

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*ch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 -  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*trc 0.75 0.0 0.0  
lab\*ncc 0.0 0.0 -

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olv4\* 0.5 0.5 0.5 (0.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 41.88 -5.06 -45.18  
LAB\*LAB 41.88 0.0 0.0  
LAB\*LAB 50.00 46.63 263.34

relative CIELAB lab\*  
lab\*lab 0.368 -0.115 -0.992  
lab\*ch 0.5 0.0 0.731  
lab\*nch 0.0 0.0 0.731  
relative Natural Colour (NC)  
lab\*trj 0.368 0.0 -0.999  
lab\*trc 0.5 0.0 0.731  
lab\*ncc 0.0 0.0 0.731

relative Inform. Technology (IT)  
olv3\* 0.0 0.388 0.75 (1.0)  
cmyn3\* 0.75 0.492 0.25 (0.0)  
olv4\* 0.5 0.758 1.0 (0.0)  
cmyn4\* 0.5 0.242 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 41.88 -5.06 -45.18  
LAB\*LAB 41.88 0.0 0.0  
LAB\*LAB 50.00 46.63 263.34

relative CIELAB lab\*  
lab\*lab 0.368 -0.115 -0.992  
lab\*ch 0.5 0.0 0.731  
lab\*nch 0.0 0.0 0.731  
relative Natural Colour (NC)  
lab\*trj 0.368 0.0 -0.999  
lab\*trc 0.5 0.0 0.731  
lab\*ncc 0.0 0.0 0.731

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.602 0.5 (0.0)  
olv4\* 0.5 0.602 0.5 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 39.08 -1.43 -13.43  
LAB\*LAB 39.08 0.0 0.0  
LAB\*LAB 37.5 13.52 263.89

relative CIELAB lab\*  
lab\*lab 0.41 -0.026 -0.248  
lab\*ch 0.375 0.25 0.733  
lab\*nch 0.0 0.25 0.733  
relative Natural Colour (NC)  
lab\*trj 0.41 0.0 -0.249  
lab\*trc 0.375 0.25 0.733  
lab\*ncc 0.0 0.25 0.733

relative Inform. Technology (IT)  
olv3\* 0.0 0.258 0.5 (1.0)  
cmyn3\* 0.75 0.454 0.25 (0.0)  
olv4\* 0.5 0.758 1.0 (0.0)  
cmyn4\* 0.5 0.242 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 54.31 -2.87 -26.87  
LAB\*LAB 54.31 0.0 0.0  
LAB\*LAB 50.00 27.03 263.89

relative CIELAB lab\*  
lab\*lab 0.56 -0.026 -0.248  
lab\*ch 0.625 0.25 0.733  
lab\*nch 0.0 0.25 0.733  
relative Natural Colour (NC)  
lab\*trj 0.56 0.0 -0.249  
lab\*trc 0.625 0.25 0.733  
lab\*ncc 0.0 0.25 0.733

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.602 0.5 (0.0)  
olv4\* 0.5 0.602 0.5 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 39.08 -1.43 -13.43  
LAB\*LAB 39.08 0.0 0.0  
LAB\*LAB 37.5 13.52 263.89

relative CIELAB lab\*  
lab\*lab 0.41 -0.026 -0.248  
lab\*ch 0.375 0.25 0.733  
lab\*nch 0.0 0.25 0.733  
relative Natural Colour (NC)  
lab\*trj 0.41 0.0 -0.249  
lab\*trc 0.375 0.25 0.733  
lab\*ncc 0.0 0.25 0.733

relative Inform. Technology (IT)  
olv3\* 0.0 0.258 0.5 (1.0)  
cmyn3\* 0.75 0.454 0.25 (0.0)  
olv4\* 0.5 0.758 1.0 (0.0)  
cmyn4\* 0.5 0.242 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 54.31 -2.87 -26.87  
LAB\*LAB 54.31 0.0 0.0  
LAB\*LAB 50.00 27.03 263.89

relative CIELAB lab\*  
lab\*lab 0.56 -0.026 -0.248  
lab\*ch 0.625 0.25 0.733  
lab\*nch 0.0 0.25 0.733  
relative Natural Colour (NC)  
lab\*trj 0.56 0.0 -0.249  
lab\*trc 0.625 0.25 0.733  
lab\*ncc 0.0 0.25 0.733

relative Inform. Technology (IT)  
olv3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.602 0.5 (0.0)  
olv4\* 0.5 0.602 0.5 (0.0)  
cmyn4\* 0.5 0.121 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 39.08 -1.43 -13.43  
LAB\*LAB 39.08 0.0 0.0  
LAB\*LAB 37.5 13.52 263.89

relative CIELAB lab\*  
lab\*lab 0.41 -0.026 -0.248  
lab\*ch 0.375 0.25 0.733  
lab\*nch 0.0 0.25 0.733  
relative Natural Colour (NC)  
lab\*trj 0.41 0.0 -0.249  
lab\*trc 0.375 0.25 0.733  
lab\*ncc 0.0 0.25 0.733

relative Inform. Technology (IT)  
olv