

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 137/360 = 0.38$

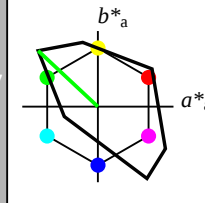
lab^*ich und lab^*nch

D65: Buntton L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

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*TCRa 99.99 0.01

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.55 -19.73 18.48
LAB*LAB 92.55 -19.73 18.48
LAB*TCRa 87.5 27.04 136.89

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 89.7 -39.48 36.96
LAB*LAB 89.7 -39.48 36.96
LAB*TCRa 75.0 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 86.85 -59.22 55.45
LAB*LAB 86.85 -59.22 55.45
LAB*TCRa 62.5 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 (1.0)
cmyn4* 1.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.99 -78.96 73.93
LAB*LAB 83.99 -78.96 73.93
LAB*TCRa 50.0 108.18 136.89

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 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*TCRa 75.0 0.01

relative Inform. Technology (IT)
olv3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olv4* 0.75 1.0 0.75 0.75
cmyn4* 0.25 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 73.21 -19.74 18.49
LAB*LAB 73.21 -19.74 18.49
LAB*TCRa 62.5 27.05 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 70.36 -39.48 36.97
LAB*LAB 70.36 -39.48 36.97
LAB*TCRa 50.0 54.1 136.89

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olv4* 0.0 1.0 0.0 0.75
cmyn4* 1.0 0.0 1.0 0.25
standard and adapted CIELAB
LAB*LAB 67.5 -59.22 55.45
LAB*LAB 67.5 -59.22 55.45
LAB*TCRa 37.5 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 0.5
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 65.0 -78.96 73.93
LAB*LAB 65.0 -78.96 73.93
LAB*TCRa 25.0 108.18 136.89

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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*TCRa 50.0 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olv4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 53.86 -19.74 18.49
LAB*LAB 53.86 -19.74 18.49
LAB*TCRa 37.5 27.05 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 51.01 -39.48 36.97
LAB*LAB 51.01 -39.48 36.97
LAB*TCRa 25.01 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olv4* 0.0 1.0 0.0 0.25
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 48.65 -59.22 55.45
LAB*LAB 48.65 -59.22 55.45
LAB*TCRa 12.5 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 0.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 46.39 -78.96 73.93
LAB*LAB 46.39 -78.96 73.93
LAB*TCRa 0.0 108.18 136.89

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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*TCRa 25.0 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olv4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 34.51 -19.73 18.48
LAB*LAB 34.51 -19.73 18.48
LAB*TCRa 12.5 27.04 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 31.01 -39.48 36.96
LAB*LAB 31.01 -39.48 36.96
LAB*TCRa 0.01 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olv4* 0.0 1.0 0.0 0.25
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 28.49 -59.22 55.45
LAB*LAB 28.49 -59.22 55.45
LAB*TCRa 0.0 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 0.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 26.13 -78.96 73.93
LAB*LAB 26.13 -78.96 73.93
LAB*TCRa 0.0 108.18 136.89

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 0.0
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*TCRa 0.01 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 16.11 0.0 0.0
LAB*LAB 16.11 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 14.29 0.0 0.0
LAB*LAB 14.29 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 12.47 0.0 0.0
LAB*LAB 12.47 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 10.65 0.0 0.0
LAB*LAB 10.65 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 8.83 0.0 0.0
LAB*LAB 8.83 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 7.01 0.0 0.0
LAB*LAB 7.01 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 5.19 0.0 0.0
LAB*LAB 5.19 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 3.37 0.0 0.0
LAB*LAB 3.37 0.0 0.0
LAB*TCRa 0.0 0.01

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 1.55 0.0 0.0
LAB*LAB 1.55 0.0 0.0
LAB*TCRa 0.0 0.01

NG590-7, 5 stufige Reihen für konstanten CIELAB Buntton 137/360 = 0.38 (links)

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: $olv^*setrgbcolor$

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output: $olv^*setrgbcolor / w^*setgray$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 137/360 = 0.38$

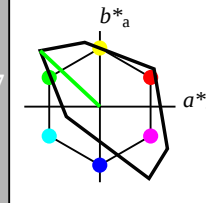
lab^*tch und lab^*nch

D65: Buntton L

LCH*Ma: 84 108 137

olv*Ma: 0.0 1.0 0.0

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*TCRa 99.99 0.01

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.55 -19.73 18.48
LAB*LAB 92.55 -19.73 18.48
LAB*TCRa 87.5 27.04 136.89

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 89.7 -39.48 36.96
LAB*LAB 89.7 -39.48 36.96
LAB*TCRa 75.0 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.75 0.0 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 86.85 -59.22 55.45
LAB*LAB 86.85 -59.22 55.45
LAB*TCRa 62.5 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 0.0 1.0 0.0 1.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 83.99 -78.96 73.93
LAB*LAB 83.99 -78.96 73.93
LAB*TCRa 50.0 108.18 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 80.11 -39.48 36.97
LAB*LAB 80.11 -39.48 36.97
LAB*TCRa 25.0 54.09 136.89

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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*TCRa 75.0 0.01

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olv4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 73.21 -19.74 18.49
LAB*LAB 73.21 -19.74 18.49
LAB*TCRa 62.5 27.05 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 70.36 -39.48 36.97
LAB*LAB 70.36 -39.48 36.97
LAB*TCRa 50.0 54.1 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.75 0.5 0.75 (0.0)
olv4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 67.5 -59.22 55.45
LAB*LAB 67.5 -59.22 55.45
LAB*TCRa 37.5 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 65.0 -78.96 73.93
LAB*LAB 65.0 -78.96 73.93
LAB*TCRa 25.0 108.18 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 62.5 -59.22 55.45
LAB*LAB 62.5 -59.22 55.45
LAB*TCRa 12.5 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 60.11 -39.48 36.97
LAB*LAB 60.11 -39.48 36.97
LAB*TCRa 0.0 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 57.29 -59.22 55.45
LAB*LAB 57.29 -59.22 55.45
LAB*TCRa 0.0 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 54.47 -78.96 73.93
LAB*LAB 54.47 -78.96 73.93
LAB*TCRa 0.0 108.18 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 51.65 -59.22 55.45
LAB*LAB 51.65 -59.22 55.45
LAB*TCRa 0.0 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 48.83 -39.48 36.97
LAB*LAB 48.83 -39.48 36.97
LAB*TCRa 0.0 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 46.01 -59.22 55.45
LAB*LAB 46.01 -59.22 55.45
LAB*TCRa 0.0 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 43.19 -78.96 73.93
LAB*LAB 43.19 -78.96 73.93
LAB*TCRa 0.0 108.18 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 40.37 -59.22 55.45
LAB*LAB 40.37 -59.22 55.45
LAB*TCRa 0.0 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 37.55 -39.48 36.97
LAB*LAB 37.55 -39.48 36.97
LAB*TCRa 0.0 54.09 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 34.73 -59.22 55.45
LAB*LAB 34.73 -59.22 55.45
LAB*TCRa 0.0 81.14 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 31.91 -78.96 73.93
LAB*LAB 31.91 -78.96 73.93
LAB*TCRa 0.0 108.18 136.89

relative Inform. Technology (IT)
olv3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 0.5 1.0 0.5 0.75
cmyn4* 0.5 0.0 0.5 0.25

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$

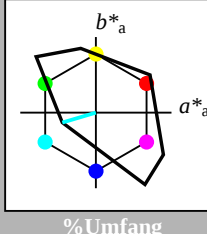
lab^*ich und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 196/360 = 0.546$

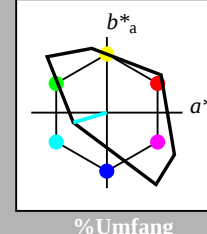
lab^*tch und lab^*nch

D65: Buntton C

LCH*Ma: 87 46 196

olv*Ma: 0.0 1.0 1.0

Dreiecks-Helligkeit t^*



$u^*_{rel} = 118$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

NG590-7, 5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (links)

5 stufige Reihen für konstanten CIELAB Buntton 196/360 = 0.546 (rechts)

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: $olv^*setrgbcolor$

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne

output: $olv^*setrgbcolor / w^*setgray$

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$

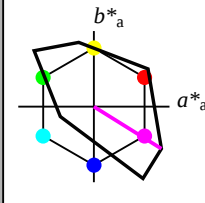
lab^*ich und lab^*nch

D65: Buntton M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 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 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*nce 1.0 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 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 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*nce 0.75 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 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 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*nce 0.5 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 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 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*nce 0.25 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

relative Inform. Technology (IT)
olv3* 0.882 0.122 -0.131
lab*ich 0.875 0.25 0.911
lab*nch 0.0 0.25 0.911
standard and adapted CIELAB
LAB*LAB 86.31 22.32 -13.9
LAB*LAB 86.31 22.32 -13.9
LAB*LAB 86.31 22.32 -13.9

relative CIELAB lab*
lab*lab 0.882 0.122 -0.131
lab*ich 0.875 0.25 0.911
lab*nch 0.0 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.882 0.122 -0.177
lab*nce 0.875 0.25 0.874

relative Inform. Technology (IT)
olv3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olv4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.96 22.33 -13.91
LAB*LAB 66.96 22.33 -13.91
LAB*LAB 66.96 22.33 -13.91

relative CIELAB lab*
lab*lab 0.75 0.5 0.75 (1.0)
lab*ich 0.75 0.5 0.911
lab*nch 0.0 0.5 0.911
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.911
lab*nce 0.75 0.5 0.874

relative Inform. Technology (IT)
olv3* 0.625 0.375 0.625 (0.0)
cmyn3* 0.375 0.375 0.375 (0.0)
olv4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.375 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.86 44.67 -27.83
LAB*LAB 57.86 44.67 -27.83
LAB*LAB 57.86 44.67 -27.83

relative CIELAB lab*
lab*lab 0.625 0.375 0.625 (0.0)
lab*ich 0.625 0.375 0.911
lab*nch 0.0 0.375 0.911
relative Natural Colour (NC)
lab*trj 0.625 0.375 0.911
lab*nce 0.625 0.375 0.874

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 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.61 22.33 -13.91
LAB*LAB 47.61 22.33 -13.91
LAB*LAB 47.61 22.33 -13.91

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.911
lab*nch 0.0 0.5 0.911
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.911
lab*nce 0.5 0.5 0.874

$n^* = 0.50$

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 1.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.11 66.99 -41.74
LAB*LAB 68.11 66.99 -41.74
LAB*LAB 68.11 66.99 -41.74

relative CIELAB lab*
lab*lab 0.75 0.0 0.75 (1.0)
lab*ich 0.75 0.0 0.911
lab*nch 0.0 0.0 0.911
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.911
lab*nce 0.75 0.0 0.874

relative Inform. Technology (IT)
olv3* 0.625 0.375 0.625 (0.0)
cmyn3* 0.375 0.375 0.375 (0.0)
olv4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.375 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.01 89.31 -55.66
LAB*LAB 59.01 89.31 -55.66
LAB*LAB 59.01 89.31 -55.66

relative CIELAB lab*
lab*lab 0.625 0.375 0.625 (0.0)
lab*ich 0.625 0.375 0.911
lab*nch 0.0 0.375 0.911
relative Natural Colour (NC)
lab*trj 0.625 0.375 0.911
lab*nce 0.625 0.375 0.874

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 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 105.24 328.06
LAB*LAB 50.0 105.24 328.06
LAB*LAB 50.0 105.24 328.06

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.911
lab*nch 0.0 0.5 0.911
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.911
lab*nce 0.5 0.5 0.874

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 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.911
lab*nch 0.0 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.911
lab*nce 0.25 0.25 0.874

$n^* = 0.25$

relative Inform. Technology (IT)
olv3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 1.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 68.11 66.99 -41.74
LAB*LAB 68.11 66.99 -41.74
LAB*LAB 68.11 66.99 -41.74

relative CIELAB lab*
lab*lab 0.75 0.0 0.75 (1.0)
lab*ich 0.75 0.0 0.911
lab*nch 0.0 0.0 0.911
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.911
lab*nce 0.75 0.0 0.874

relative Inform. Technology (IT)
olv3* 0.625 0.375 0.625 (0.0)
cmyn3* 0.375 0.375 0.375 (0.0)
olv4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.375 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.01 89.31 -55.66
LAB*LAB 59.01 89.31 -55.66
LAB*LAB 59.01 89.31 -55.66

relative CIELAB lab*
lab*lab 0.625 0.375 0.625 (0.0)
lab*ich 0.625 0.375 0.911
lab*nch 0.0 0.375 0.911
relative Natural Colour (NC)
lab*trj 0.625 0.375 0.911
lab*nce 0.625 0.375 0.874

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 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 50.0 105.24 328.06
LAB*LAB 50.0 105.24 328.06
LAB*LAB 50.0 105.24 328.06

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (0.0)
lab*ich 0.5 0.5 0.911
lab*nch 0.0 0.5 0.911
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.911
lab*nce 0.5 0.5 0.874

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 0.75 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (0.0)
lab*ich 0.25 0.25 0.911
lab*nch 0.0 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.911
lab*nce 0.25 0.25 0.874

$n^* = 0.10$

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

für Buntton $h^* = lab^*h = 328/360 = 0.911$

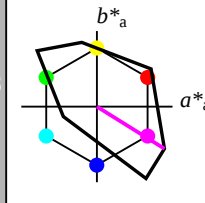
lab^*tch und lab^*nch

D65: Buntton M

LCH*Ma: 59 105 328

olv*Ma: 1.0 0.0 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 95.41 0.0 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*ich 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*nce 1.0 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 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ich 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*nce 0.75 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 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0
LAB*LAB 56.72 0.0 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ich 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*nce 0.5 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 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0
LAB*LAB 37.37 0.0 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ich 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*nce 0.25 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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0
LAB*LAB 18.03 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*ich 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

TLS18; adaptierte CIELAB-Daten

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	52.76	71.63	49.88	87.29	35
Y _{Ma}	92.74	-20.02	84.97	87.3	103
L _{Ma}	84.0	-78.98	73.94	108.2	137
C _{Ma}	87.14	-44.41	-13.11	46.32	196
V _{Ma}	35.47	64.92	-95.06	115.12	304
M _{Ma}	59.01	89.33	-55.67	105.26	328
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.88	71.56	71.62	92
G _{CIE}	52.23	-42.41	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.46	46.49	272

%Regularität

$g^*_{H,rel} = 22$

$g^*_{C,rel} = 40$

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 77.21 44.66 -27.82
LAB*LAB 77.21 44.66 -27.82
LAB*LAB 77.21 44.66 -27.82

relative CIELAB lab*
lab*lab 1.0 0.5 1.0 (1.0)
lab*ich 1.0 0.5 1.0 (1.0)
lab*nch 0.0 0.5 1.0 (1.0)
relative Natural Colour (NC)
lab*trj 1.0 0.5 1.0 (1.0)
lab*nce 1.0 0.5 1.0 (1.0)

relative Inform. Technology (IT)
olv3* 0.75 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.96 22.33 -13.91
LAB*LAB 66.96 22.33 -13.91
LAB*LAB 66.96 22.33 -13.91

relative CIELAB lab*
lab*lab 0.75 0.25 0.75 (1.0)
lab*ich 0.75 0.25 0.911
lab*nch 0.0 0.25 0.911
relative Natural Colour (NC)
lab*trj 0.75 0.25 0.911
lab*nce 0.75 0.25 0.874

relative Inform. Technology (IT)
olv3* 0.625 0.375 0.625 (0.0)
cmyn3* 0.375 0.375 0.375 (0.0)
olv4* 1.0 0.5 1.0 (0.0)
cmyn4* 0.0 0.375 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.86 44.67 -27.83
LAB*LAB 57.86 44.67 -27.83
LAB*LAB 57.86 44.67 -27.83

relative CIELAB lab*
lab*lab 0.625 0.375 0.625 (0.0)
lab*ich 0.625 0.375 0.911
lab*nch 0.0 0.375 0.911
relative Natural Colour (NC)
lab*trj 0.625 0.375 0.911
lab*nce 0.625 0.375 0.874

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 0.5 1.0 (0.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 47.61 22.33 -13.91
LAB*LAB 47.61 22.33 -13.91
LAB*LAB 47.61 2

Eingabe: Farbmatisches Fernseh-Licht-System TLS18

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

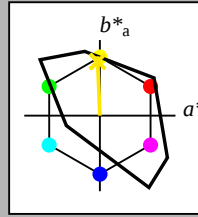
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.954 0.75 (1.0)
cmyn3* 0.0 0.046 0.25 (0.0)
olv4* 1.0 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.9 -0.79 19.62
LAB*LAB 92.9 -0.79 19.62
LAB*LAB 92.9 -0.79 19.62

relative Inform. Technology (IT)
olv3* 1.0 0.908 0.5 (1.0)
cmyn3* 0.0 0.092 0.5 (0.0)
olv4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.39 -1.58 39.25
LAB*LAB 90.39 -1.58 39.25
LAB*LAB 90.39 -1.58 39.25

relative Inform. Technology (IT)
olv3* 1.0 0.862 0.25 (1.0)
cmyn3* 0.0 0.138 0.75 (0.0)
olv4* 1.0 0.862 0.25 (1.0)
cmyn4* 0.0 0.138 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 87.89 -2.38 58.88
LAB*LAB 87.89 -2.38 58.88
LAB*LAB 87.89 -2.38 58.88

relative Inform. Technology (IT)
olv3* 1.0 0.816 0.0 (1.0)
cmyn3* 0.0 0.184 1.0 (0.0)
olv4* 1.0 0.816 0.0 (1.0)
cmyn4* 0.0 0.184 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.38 -3.17 78.5
LAB*LAB 85.38 -3.17 78.5
LAB*LAB 85.38 -3.17 78.5

Ausgabe: Farbmatisches Fernseh-Licht-System TLS18

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

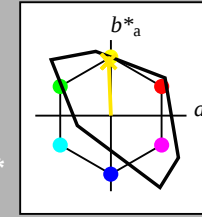
lab^*ich und lab^*nch

D65: Buntton J

LCH*Ma: 85 79 92

olv*Ma: 1.0 0.82 0.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 1.0 0.954 0.75 (1.0)
cmyn3* 0.0 0.046 0.25 (0.0)
olv4* 1.0 0.954 0.75 (1.0)
cmyn4* 0.0 0.046 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.9 -0.79 19.62
LAB*LAB 92.9 -0.79 19.62
LAB*LAB 92.9 -0.79 19.62

relative Inform. Technology (IT)
olv3* 1.0 0.908 0.5 (1.0)
cmyn3* 0.0 0.092 0.5 (0.0)
olv4* 1.0 0.908 0.5 (1.0)
cmyn4* 0.0 0.092 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 90.39 -1.58 39.25
LAB*LAB 90.39 -1.58 39.25
LAB*LAB 90.39 -1.58 39.25

relative Inform. Technology (IT)
olv3* 1.0 0.862 0.25 (1.0)
cmyn3* 0.0 0.138 0.75 (0.0)
olv4* 1.0 0.862 0.25 (1.0)
cmyn4* 0.0 0.138 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 87.89 -2.38 58.88
LAB*LAB 87.89 -2.38 58.88
LAB*LAB 87.89 -2.38 58.88

relative Inform. Technology (IT)
olv3* 1.0 0.816 0.0 (1.0)
cmyn3* 0.0 0.184 1.0 (0.0)
olv4* 1.0 0.816 0.0 (1.0)
cmyn4* 0.0 0.184 1.0 (0.0)
standard and adapted CIELAB
LAB*LAB 85.38 -3.17 78.5
LAB*LAB 85.38 -3.17 78.5
LAB*LAB 85.38 -3.17 78.5

NG590-7, 5 stufige Reihen für konstanten CIELAB Buntton 92/360 = 0.256 (links)

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

BAM-Prüfvorlage NG59; Farbmatrik-Systeme TLS18 & TLS18 input: $olv^* setrgbcolor$

D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Buntton

output: $olv^* setrgbcolor / w^* setgray$

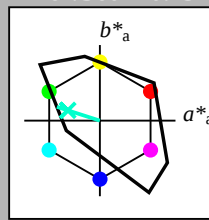
Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

lab^*ich und lab^*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.91 (1.0)
cmyn3* 0.25 0.0 0.09 (0.0)
olv4* 0.75 1.0 0.91 (1.0)
cmyn4* 0.25 0.0 0.09 (0.0)
standard and adapted CIELAB
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.82 (1.0)
cmyn3* 0.5 0.0 0.18 (0.0)
olv4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.64 (1.0)
cmyn3* 0.25 0.0 0.36 (0.0)
olv4* 0.25 1.0 0.64 (1.0)
cmyn4* 0.25 0.0 0.36 (0.0)
standard and adapted CIELAB
LAB*LAB 86.0 -56.85 18.23
LAB*LAB 86.0 -56.85 18.23
LAB*LAB 86.0 -56.85 18.23
LAB*LAB 86.0 -56.85 18.23

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.451 (1.0)
cmyn3* 0.0 0.0 0.549 (0.0)
olv4* 0.0 1.0 0.451 (1.0)
cmyn4* 0.0 0.0 0.549 (0.0)
standard and adapted CIELAB
LAB*LAB 73.1 -14.21 4.56
LAB*LAB 73.1 -14.21 4.56
LAB*LAB 73.1 -14.21 4.56
LAB*LAB 73.1 -14.21 4.56

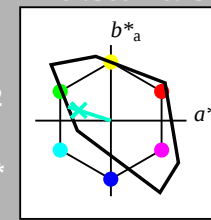
Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

lab^*ich und lab^*nch

D65: Buntton G
LCH*Ma: 86 60 162
olv*Ma: 0.0 1.0 0.64

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.91 (1.0)
cmyn3* 0.25 0.0 0.09 (0.0)
olv4* 0.75 1.0 0.91 (1.0)
cmyn4* 0.25 0.0 0.09 (0.0)
standard and adapted CIELAB
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55
LAB*LAB 93.05 -14.2 4.55

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.82 (1.0)
cmyn3* 0.5 0.0 0.18 (0.0)
olv4* 0.5 1.0 0.82 (1.0)
cmyn4* 0.5 0.0 0.18 (0.0)
standard and adapted CIELAB
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11
LAB*LAB 90.7 -28.42 9.11

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.64 (1.0)
cmyn3* 0.25 0.0 0.36 (0.0)
olv4* 0.25 1.0 0.64 (1.0)
cmyn4* 0.25 0.0 0.36 (0.0)
standard and adapted CIELAB
LAB*LAB 86.0 -56.85 18.23
LAB*LAB 86.0 -56.85 18.23
LAB*LAB 86.0 -56.85 18.23
LAB*LAB 86.0 -56.85 18.23

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.451 (1.0)
cmyn3* 0.0 0.0 0.549 (0.0)
olv4* 0.0 1.0 0.451 (1.0)
cmyn4* 0.0 0.0 0.549 (0.0)
standard and adapted CIELAB
LAB*LAB 73.1 -14.21 4.56
LAB*LAB 73.1 -14.21 4.56
LAB*LAB 73.1 -14.21 4.56
LAB*LAB 73.1 -14.21 4.56

NG590-7, 5 stufige Reihen für konstanten CIELAB Buntton 162/360 = 0.451 (links)

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

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: $olv^*setrgbcolor$
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: $lab^*setrgbcolor / w^*setgray$

Eingabe: Farbmetrisches Fernseh-Licht-System TLS18

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

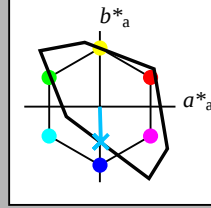
lab^*ich und lab^*nch

D65: Buntton B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.895 1.0 (1.0)
cmyn3* 0.25 0.105 0.0 (0.0)
olv4* 0.75 0.895 1.0 (1.0)
cmyn4* 0.25 0.105 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.92 0.35 -11.85
LAB*LAB 87.92 0.35 -11.85
LAB*LAB 87.92 0.35 -11.85

relative Inform. Technology (IT)
olv3* 0.5 0.79 1.0 (1.0)
cmyn3* 0.5 0.21 0.0 (0.0)
olv4* 0.5 0.79 1.0 (1.0)
cmyn4* 0.5 0.21 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.44 0.71 -23.73
LAB*LAB 80.44 0.71 -23.73
LAB*LAB 80.44 0.71 -23.73

relative Inform. Technology (IT)
olv3* 0.25 0.54 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.54 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.435 0.75 (1.0)
cmyn3* 0.0 0.435 0.75 (1.0)
olv4* 0.0 0.435 0.75 (1.0)
cmyn4* 0.0 0.435 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 68.57 0.36 -11.86
LAB*LAB 68.57 0.36 -11.86
LAB*LAB 68.57 0.36 -11.86

Ausgabe: Farbmetrisches Fernseh-Licht-System TLS18

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

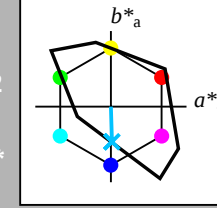
lab^*ich und lab^*nch

D65: Buntton B

LCH*Ma: 65 48 272

olv*Ma: 0.0 0.58 1.0

Dreiecks-Helligkeit t^*



%Umfang

$u^*_{rel} = 118$

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 95.41 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.895 1.0 (1.0)
cmyn3* 0.25 0.105 0.0 (0.0)
olv4* 0.75 0.895 1.0 (1.0)
cmyn4* 0.25 0.105 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 87.92 0.35 -11.85
LAB*LAB 87.92 0.35 -11.85
LAB*LAB 87.92 0.35 -11.85

relative Inform. Technology (IT)
olv3* 0.5 0.79 1.0 (1.0)
cmyn3* 0.5 0.21 0.0 (0.0)
olv4* 0.5 0.79 1.0 (1.0)
cmyn4* 0.5 0.21 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.44 0.71 -23.73
LAB*LAB 80.44 0.71 -23.73
LAB*LAB 80.44 0.71 -23.73

relative Inform. Technology (IT)
olv3* 0.25 0.54 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 0.25 0.54 0.75 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0
LAB*LAB 76.07 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.435 0.75 (1.0)
cmyn3* 0.0 0.435 0.75 (1.0)
olv4* 0.0 0.435 0.75 (1.0)
cmyn4* 0.0 0.435 0.75 (1.0)
standard and adapted CIELAB
LAB*LAB 68.57 0.36 -11.86
LAB*LAB 68.57 0.36 -11.86
LAB*LAB 68.57 0.36 -11.86

NG590-7, 5 stufige Reihen für konstanten CIELAB Buntton 272/360 = 0.755 (links)

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

BAM-Prüfvorlage NG59; Farbmetrik-Systeme TLS18 & TLS18 input: $olv^* setrgbcolor$
D65: 2 Koordinatendaten; 5stufige Farbreihen für 10 Bunttöne output: $olv^* setrgbcolor / w^* setgray$