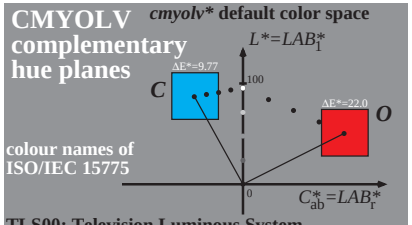
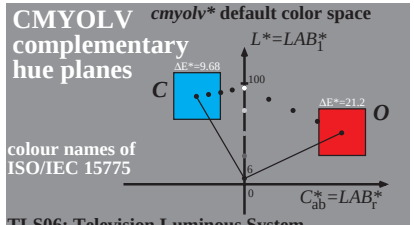
See for similar files: http://www.ps.bam.de/BE31/
Information and Order: http://www.ps.bam.de Version 2.0, io=0,0; iORS; oORS, CIELAB

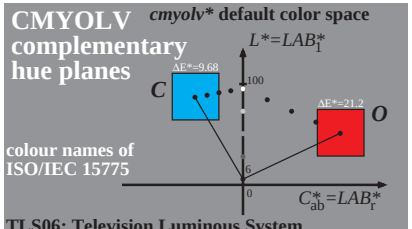
BAM registration: 20031001-BE31/10L/L31E00FP.PS/.PDF BAM material: code=rha4ta
Displays; 8 luminance contrast ratios between >999:1 and 2:1



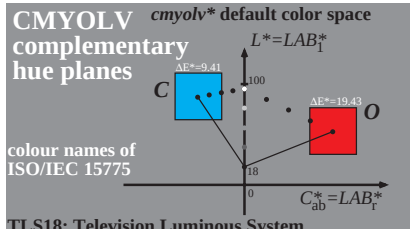
TLS00: Television Luminous System
Black lightness L* = 00
Grey sample difference = ΔL*=23.85 Luminance contrast Y_w / Y_n > 999.0
Ligthness range $L^*_w - L^*_n$ = 95.41 - 0.0 = 95.41
Chroma range $C^*_O + C^*_C$ = 100.41 + 48.1 = 148.5
Relative colour gamut g_{rel}= [95.41 * 148.5] / [95.41 * 148.5]= 1.0



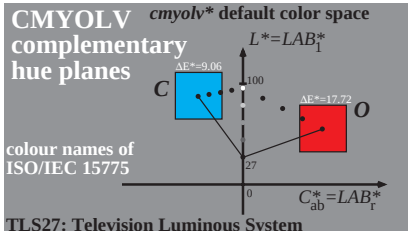
TLS06: Television Luminous System
Black lightness L* = 06
Grey sample difference = ΔL*=22.43 Luminance contrast Y_w / Y_n = 142.22
Ligthness range $L^*_w - L^*_n$ = 95.41 - 5.69 = 89.72
Chroma range $C^*_O + C^*_C$ = 96.28 + 47.65 = 143.93
Relative colour gamut g_{rel}= [89.72 * 143.93] / [95.41 * 148.5]= 0.91



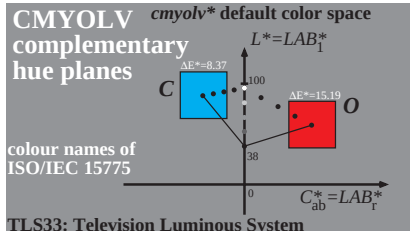
TLS00: Television Luminous System
Black lightness L* = 00
Grey sample difference = ΔL*=6.36 Luminance contrast Y_w / Y_n > 999.0
Ligthness range $L^*_w - L^*_n$ = 95.41 - 0.0 = 95.41
Chroma range $C^*_O + C^*_C$ = 100.41 + 48.1 = 148.5
Relative colour gamut g_{rel}= [95.41 * 148.5] / [95.41 * 148.5]= 1.0



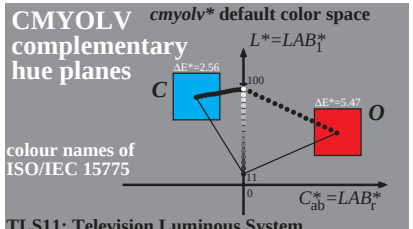
TLS06: Television Luminous System
Black lightness L* = 06
Grey sample difference = ΔL*=5.98 Luminance contrast Y_w / Y_n = 142.22
Ligthness range $L^*_w - L^*_n$ = 95.41 - 5.69 = 89.72
Chroma range $C^*_O + C^*_C$ = 96.28 + 47.65 = 143.93
Relative colour gamut g_{rel}= [89.72 * 143.93] / [95.41 * 148.5]= 0.91



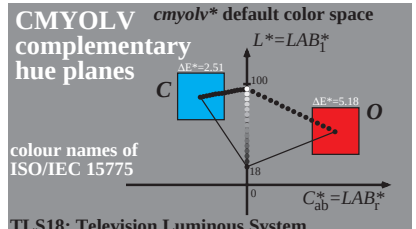
TLS06: Television Luminous System
Black lightness L* = 06
Grey sample difference = ΔL*=22.43 Luminance contrast Y_w / Y_n = 142.22
Ligthness range $L^*_w - L^*_n$ = 95.41 - 5.69 = 89.72
Chroma range $C^*_O + C^*_C$ = 96.28 + 47.65 = 143.93
Relative colour gamut g_{rel}= [89.72 * 143.93] / [95.41 * 148.5]= 0.91



TLS18: Television Luminous System
Black lightness L* = 18
Grey sample difference = ΔL*=19.35 Luminance contrast Y_w / Y_n = 35.56
Ligthness range $L^*_w - L^*_n$ = 95.41 - 18.01 = 77.4
Chroma range $C^*_O + C^*_C$ = 87.29 + 46.32 = 133.6
Relative colour gamut g_{rel}= [77.4 * 133.6] / [95.41 * 148.5]= 0.73



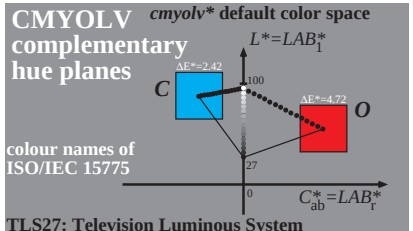
TLS11: Television Luminous System
Black lightness L* = 11
Grey sample difference = ΔL*=5.63 Luminance contrast Y_w / Y_n = 71.11
Ligthness range $L^*_w - L^*_n$ = 95.41 - 10.99 = 84.42
Chroma range $C^*_O + C^*_C$ = 92.86 + 47.2 = 140.06
Relative colour gamut g_{rel}= [84.42 * 140.06] / [95.41 * 148.5]= 0.83



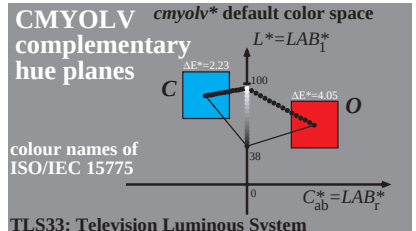
TLS18: Television Luminous System
Black lightness L* = 18
Grey sample difference = ΔL*=5.16 Luminance contrast Y_w / Y_n = 35.56
Ligthness range $L^*_w - L^*_n$ = 95.41 - 18.01 = 77.4
Chroma range $C^*_O + C^*_C$ = 87.29 + 46.32 = 133.6
Relative colour gamut g_{rel}= [77.4 * 133.6] / [95.41 * 148.5]= 0.73

TLS27: Television Luminous System
Black lightness L* = 27
Grey sample difference = ΔL*=17.14 Luminance contrast Y_w / Y_n = 17.78
Ligthness range $L^*_w - L^*_n$ = 95.41 - 26.85 = 68.56
Chroma range $C^*_O + C^*_C$ = 78.78 + 44.57 = 123.34
Relative colour gamut g_{rel}= [68.56 * 123.34] / [95.41 * 148.5]= 0.6

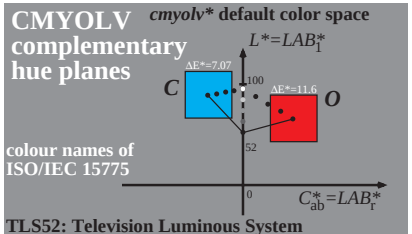
TLS33: Television Luminous System
Black lightness L* = 38
Grey sample difference = ΔL*=14.36 Luminance contrast Y_w / Y_n = 8.89
Ligthness range $L^*_w - L^*_n$ = 95.41 - 37.99 = 57.42
Chroma range $C^*_O + C^*_C$ = 66.51 + 41.17 = 107.68
Relative colour gamut g_{rel}= [57.42 * 107.68] / [95.41 * 148.5]= 0.44



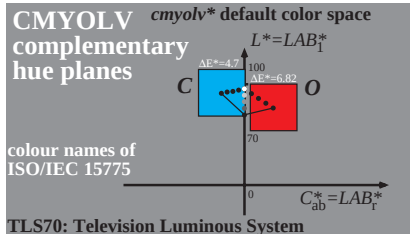
TLS27: Television Luminous System
Black lightness L* = 27
Grey sample difference = ΔL*=4.57 Luminance contrast Y_w / Y_n = 17.78
Ligthness range $L^*_w - L^*_n$ = 95.41 - 26.85 = 68.56
Chroma range $C^*_O + C^*_C$ = 78.78 + 44.57 = 123.34
Relative colour gamut g_{rel}= [68.56 * 123.34] / [95.41 * 148.5]= 0.6



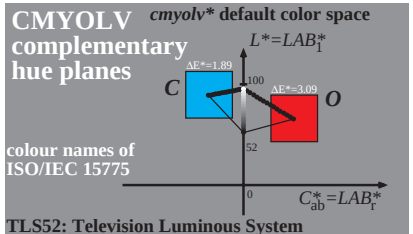
TLS33: Television Luminous System
Black lightness L* = 38
Grey sample difference = ΔL*=3.83 Luminance contrast Y_w / Y_n = 8.89
Ligthness range $L^*_w - L^*_n$ = 95.41 - 37.99 = 57.42
Chroma range $C^*_O + C^*_C$ = 66.51 + 41.17 = 107.68
Relative colour gamut g_{rel}= [57.42 * 107.68] / [95.41 * 148.5]= 0.44



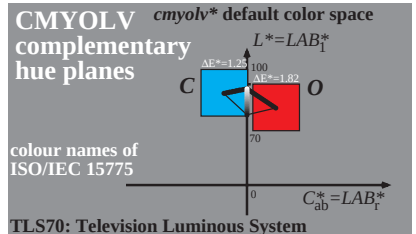
TLS52: Television Luminous System
Black lightness L* = 52
Grey sample difference = ΔL*=10.85 Luminance contrast Y_w / Y_n = 4.44
Ligthness range $L^*_w - L^*_n$ = 95.41 - 52.02 = 43.39
Chroma range $C^*_O + C^*_C$ = 49.7 + 34.76 = 84.47
Relative colour gamut g_{rel}= [43.39 * 84.47] / [95.41 * 148.5]= 0.26



TLS70: Television Luminous System
Black lightness L* = 70
Grey sample difference = ΔL*=6.43 Luminance contrast Y_w / Y_n = 2.22
Ligthness range $L^*_w - L^*_n$ = 95.41 - 69.7 = 25.71
Chroma range $C^*_O + C^*_C$ = 28.32 + 23.07 = 51.39
Relative colour gamut g_{rel}= [25.71 * 51.39] / [95.41 * 148.5]= 0.09



TLS52: Television Luminous System
Black lightness L* = 52
Grey sample difference = ΔL*=2.89 Luminance contrast Y_w / Y_n = 4.44
Ligthness range $L^*_w - L^*_n$ = 95.41 - 52.02 = 43.39
Chroma range $C^*_O + C^*_C$ = 49.7 + 34.76 = 84.47
Relative colour gamut g_{rel}= [43.39 * 84.47] / [95.41 * 148.5]= 0.26



TLS70: Television Luminous System
Black lightness L* = 70
Grey sample difference = ΔL*=1.71 Luminance contrast Y_w / Y_n = 2.22
Ligthness range $L^*_w - L^*_n$ = 95.41 - 69.7 = 25.71
Chroma range $C^*_O + C^*_C$ = 28.32 + 23.07 = 51.39
Relative colour gamut g_{rel}= [25.71 * 51.39] / [95.41 * 148.5]= 0.09