| **Basic television colour or mixture colour for D65 CIE data: $Y_{WD0}$=90** | **chromaticity** $x_d$ | $y_d$ | **tristimulus values** ($Y_{d,D0}$=90 for White D65) $X_d$ | $Y_d$ | $Z_d$ |
|---|---|---|---|---|---|
| *three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $C_{D0}$ **Cyan 90** (*rgb=rgb**=0 1 1) | 0,224 | 0,328 | 53,81 | 78,74 | 106,98 |
| $M_{D0}$ **Magenta 90** (*rgb=rgb**=1 0 1) | 0,320 | 0,154 | 59,28 | 28,48 | 96,99 |
| $Y_{D0}$ **Yellow 90** (*rgb=rgb**=1 1 0) | 0,419 | 0,505 | 76,99 | 92,78 | 13,85 |
| *three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $R_{D0}$ **Red 90** (*rgb=rgb**=1 0 0) | 0,640 | 0,330 | 41,23 | 21,26 | 1,93 |
| $G_{D0}$ **Green 90** (*rgb=rgb**=0 1 0) | 0,300 | 0,600 | 35,76 | 71,52 | 11,91 |
| $B_{D0}$ **Blue 90** (*rgb=rgb**=0 0 1) | 0,150 | 0,060 | 18,05 | 7,22 | 95,06 |
| *achromatic colours with different normalization:* | | | | | |
| $W_{D0}$ **White 90** (*rgb=rgb**=1 1 1) | 0,312 | 0,329 | 85,54 | 90,00 | 98,01 |
| $N_{d0}$ **Black 2,5** (*rbg=rgb**=0 0 0) | 0,312 | 0,329 | 2,13 | 2,25 | 2,45 |
| $N_{p1}$ **Black 1,8** (*rgb**=q q q) **q=−0,03** | 0,312 | 0,329 | 1,53 | 1,61 | 1,76 |

fem80-3n

| **Basic television colour or mixture colour for D65 CIE data: $Y_{WP1}$=180** | **CIELAB data** $L^*a^*b^*C^*_{ab}h_{ab}$ ($L^*_{d,P1}$=180 for White D65) $L^*_d$ | $a^*_d$ | $b^*_d$ | $C^*_{ab,d}$ | $h_{ab,d}$ |
|---|---|---|---|---|---|
| *three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $C_{P1}$ **Cyan 180** (*rgb**=0 p p) | 118,95 | −60,58 | −17,81 | 63,14 | 199 |
| $M_{P1}$ **Magenta 180** (*rgb**=p 0 p) | 80,15 | 123,76 | −76,65 | 145,57 | 324 |
| $Y_{P1}$ **Yellow 180** (*rgb**=p p 0) | 126,54 | −27,18 | 119,03 | 122,10 | 110 |
| *three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $R_{P1}$ **Red 180** (*rgb**=p 0 0) | 71,22 | 100,89 | 84,66 | 131,71 | 19 |
| $G_{P1}$ **Green 180** (*rgb**=0 p 0) | 114,70 | −108,59 | 104,80 | 150,91 | 144 |
| $B_{P1}$ **Blue 180** (*rgb**=0 0 p) | 44,85 | 99,77 | −135,89 | 168,59 | 290 |
| *achromatic colours with different normalization:* | | | | | |
| $W_{P1}$ **White 180**(*rgb**=p p p) **p=1,25** | 125,10 | 0,00 | 0,00 | 0,00 | 0,00 |
| $W_{D0}$ **White 90** (*rgb=rgb**=1 1 1) | 95,99 | 0,00 | 0,00 | 0,00 | 0,00 |
| $N_{d0}$ **Black 2,5** (*rbg=rgb**=0 0 0) | 16,74 | −0,00 | 0,00 | 0,00 | 0,00 |
| $N_{p1}$ **Black 1,8** (*rgb**=q q q) **q=−0,03** | 13,35 | 0,00 | 0,00 | 0,00 | 0,00 |

fem81-3n

| **Basic television colour or mixture colour for D65 CIE data: $Y_{WD0}$=90** | **CIELAB data** $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,D0}$=90 for White D65) $L^*_d$ | $a^*_d$ | $b^*_d$ | $C^*_{ab,d}$ | $h_{ab,d}$ |
|---|---|---|---|---|---|
| *three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $C_{D0}$ **Cyan 90** (*rgb=rgb**=0 1 1) | 91,11 | −48,08 | −14,13 | 50,11 | 199 |
| $M_{D0}$ **Magenta 90** (*rgb=rgb**=1 0 1) | 60,31 | 98,22 | −60,84 | 115,54 | 324 |
| $Y_{D0}$ **Yellow 90** (*rgb=rgb**=1 1 0) | 97,13 | −21,57 | 94,48 | 96,91 | 110 |
| *three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $R_{D0}$ **Red 90** (*rgb=rgb**=1 0 0) | 53,23 | 80,07 | 67,19 | 104,53 | 19 |
| $G_{D0}$ **Green 90** (*rgb=rgb**=0 1 0) | 87,73 | −86,18 | 83,18 | 119,78 | 144 |
| $B_{D0}$ **Blue 90** (*rgb=rgb**=0 0 1) | 32,30 | 79,19 | −107,86 | 133,81 | 290 |
| *achromatic colours with different normalization:* | | | | | |
| $W_{P1}$ **White 180** (*rgb**=p p p) **p=1,25** | 125,10 | 0,00 | 0,00 | 0,00 | 0,00 |
| $W_{D0}$ **White 90** (*rgb=rgb**=1 1 1) | 95,99 | 0,00 | 0,00 | 0,00 | 0,00 |
| $N_{d0}$ **Black 2,5** (*rbg=rgb**=0 0 0) | 16,74 | −0,00 | 0,00 | 0,00 | 0,00 |
| $N_{p1}$ **Black 1,8** (*rgb**=q q q) **q=−0,03** | 13,35 | 0,00 | 0,00 | 0,00 | 0,00 |

fem80-7n

| **Basic television colour or mixture colour for D65 CIE data: $Y_{WP2}$=360** | **CIELAB data** $L^*a^*b^*C^*_{ab}h_{ab}$ ($Y_{d,P2}$=360 for White D65) $L^*_d$ | $a^*_d$ | $b^*_d$ | $C^*_{ab,d}$ | $h_{ab,d}$ |
|---|---|---|---|---|---|
| *three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $C_{P2}$ **Cyan 360** (*rgb**=0 p p) | 154,03 | −76,32 | −22,43 | 79,55 | 199 |
| $M_{P2}$ **Magenta 360** (*rgb**=p 0 p) | 105,15 | 155,92 | −96,58 | 183,41 | 324 |
| $Y_{P2}$ **Yellow 360** (*rgb**=p p 0) | 163,59 | −34,25 | 149,97 | 153,84 | 110 |
| *three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966−2−1* | | | | | |
| $R_{P2}$ **Red 360** (*rgb**=p 0 0) | 93,90 | 127,11 | 106,67 | 165,94 | 19 |
| $G_{P2}$ **Green 360** (*rgb**=0 p 0) | 148,67 | −136,81 | 132,04 | 190,14 | 144 |
| $B_{P2}$ **Blue 360** (*rgb**=0 0 p) | 60,67 | 125,71 | −171,22 | 212,41 | 290 |
| *achromatic colours with different normalization:* | | | | | |
| $W_{P2}$ **White 360**(*rgb**=p p p) **p=1,61** | 161,78 | 0,00 | 0,00 | 0,00 | 0,00 |
| $W_{D0}$ **White 90** (*rgb=rgb**=1 1 1) | 95,99 | 0,00 | 0,00 | 0,00 | 0,00 |
| $N_{d0}$ **Black 2,5** (*rbg=rgb**=0 0 0) | 16,74 | −0,00 | 0,00 | 0,00 | 0,00 |
| $N_{p1}$ **Black 1,8** (*rgb**=q q q) **q=−0,03** | 13,35 | 0,00 | 0,00 | 0,00 | 0,00 |

fem81-7n