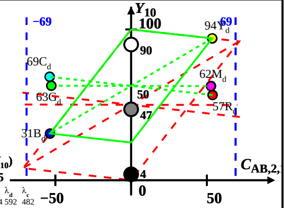
Siehe ähnliche Dateien: http://farbe.li.tu-berlin.de/BGK3/BGK3.HTM
Technische Information: http://farbe.li.tu-berlin.de oder http://farbe.li.tu-berlin.de/

$XYZ_{W,10}$=97.09 , 99.99 , 104.01
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P60, $Y_{W,10}$=100, $Y_{N,10}$=25

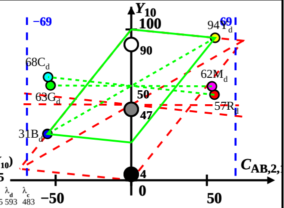



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 563_775 | 71.98 | 56.5 | 26.1 | 0.4656 | 0.3654 | 592 | 482 |
| $Y_d$ | 487_775 | 84.02 | 94.09 | 30.97 | 0.4018 | 0.45 | 567 | 460 |
| $G_d$ | 487_563 | 36.41 | 62.68 | 30.97 | 0.2799 | 0.4819 | 528 | 528c |
| $C_d$ | 380_563 | 49.5 | 68.62 | 104.04 | 0.2228 | 0.3088 | 482 | 592 |
| $B_d$ | 380_487 | 37.46 | 31.03 | 99.18 | 0.2234 | 0.185 | 460 | 567 |
| $M_d$ | 563_487 | 85.07 | 62.43 | 99.18 | 0.3448 | 0.253 | 528c | 528 |
| $W_d$ | 380_775 | 97.09 | 99.99 | 104.01 | 0.3224 | 0.3321 | 100% | |
| $N_d$ | 380_775 | 24.27 | 24.99 | 26.0 | 0.3224 | 0.3321 | 25% | |
| $Z_d$ | 380_775 | 17.47 | 17.99 | 18.72 | 0.3224 | 0.3321 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P60
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−1A

$XYZ_{W,10}$=97.65 , 100.0 , 95.55
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}900$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P55, $Y_{W,10}$=100, $Y_{N,10}$=25

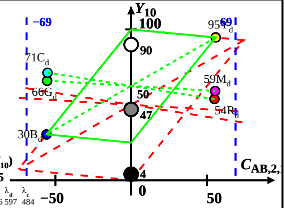



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 564_775 | 73.13 | 56.68 | 23.98 | 0.4755 | 0.3685 | 593 | 483 |
| $Y_d$ | 488_775 | 85.73 | 94.42 | 28.62 | 0.4106 | 0.4522 | 568 | 460 |
| $G_d$ | 488_564 | 37.1 | 62.84 | 28.62 | 0.2885 | 0.4887 | 529 | 529c |
| $C_d$ | 380_564 | 49.05 | 68.44 | 95.57 | 0.2302 | 0.3212 | 483 | 593 |
| $B_d$ | 380_488 | 36.45 | 30.69 | 90.93 | 0.2306 | 0.1941 | 460 | 568 |
| $M_d$ | 564_488 | 85.08 | 62.28 | 90.93 | 0.357 | 0.2613 | 529c | 529 |
| $W_d$ | 380_775 | 97.65 | 100.0 | 95.55 | 0.333 | 0.341 | 100% | |
| $N_d$ | 380_775 | 24.41 | 25.0 | 23.88 | 0.333 | 0.341 | 25% | |
| $Z_d$ | 380_775 | 17.57 | 18.0 | 17.19 | 0.333 | 0.341 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P55
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−2A

$XYZ_{W,10}$=98.51 , 99.99 , 86.17
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P50, $Y_{W,10}$=100, $Y_{N,10}$=25

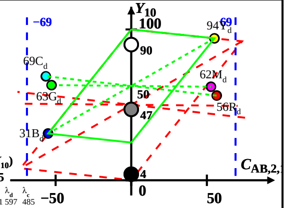



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 565_775 | 72.1 | 53.8 | 21.62 | 0.4887 | 0.3646 | 597 | 484 |
| $Y_d$ | 489_775 | 87.84 | 94.66 | 25.8 | 0.4216 | 0.4544 | 569 | 461 |
| $G_d$ | 489_565 | 40.46 | 65.96 | 25.8 | 0.3059 | 0.4988 | 534 | 534c |
| $C_d$ | 380_565 | 51.15 | 71.32 | 86.19 | 0.2451 | 0.3417 | 484 | 597 |
| $B_d$ | 380_489 | 35.42 | 30.45 | 82.01 | 0.2395 | 0.2059 | 461 | 569 |
| $M_d$ | 565_489 | 82.8 | 59.15 | 82.01 | 0.3696 | 0.2641 | 534c | 534 |
| $W_d$ | 380_775 | 98.51 | 99.99 | 86.17 | 0.346 | 0.3512 | 100% | |
| $N_d$ | 380_775 | 24.62 | 24.99 | 21.54 | 0.346 | 0.3512 | 25% | |
| $Z_d$ | 380_775 | 17.73 | 17.99 | 15.51 | 0.346 | 0.3512 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P50
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−3A

$XYZ_{W,10}$=99.8 , 100.0 , 75.8
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}100$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P45, $Y_{W,10}$=100, $Y_{N,10}$=25

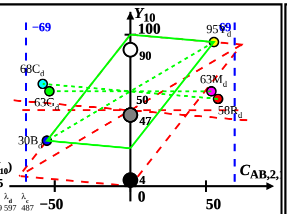



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 567_775 | 75.67 | 56.13 | 19.02 | 0.5016 | 0.3721 | 597 | 485 |
| $Y_d$ | 490_775 | 90.46 | 94.12 | 21.66 | 0.4386 | 0.4563 | 571 | 465 |
| $G_d$ | 490_567 | 39.83 | 63.09 | 21.66 | 0.3197 | 0.5063 | 536 | 536c |
| $C_d$ | 380_567 | 49.2 | 68.98 | 75.82 | 0.2536 | 0.3555 | 485 | 597 |
| $B_d$ | 380_490 | 34.41 | 30.99 | 73.19 | 0.2482 | 0.2236 | 465 | 571 |
| $M_d$ | 567_490 | 85.03 | 62.03 | 73.19 | 0.386 | 0.2816 | 536c | 536 |
| $W_d$ | 380_775 | 99.8 | 100.0 | 75.8 | 0.3621 | 0.3628 | 100% | |
| $N_d$ | 380_775 | 24.95 | 25.0 | 18.95 | 0.3621 | 0.3628 | 25% | |
| $Z_d$ | 380_775 | 17.96 | 18.0 | 13.64 | 0.3621 | 0.3628 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P45
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−4A

$XYZ_{W,10}$=101.75 , 100.0 , 64.44
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P40, $Y_{W,10}$=100, $Y_{N,10}$=25

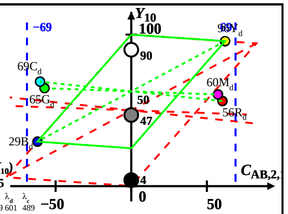



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 569_775 | 79.02 | 57.61 | 16.17 | 0.5171 | 0.3769 | 597 | 487 |
| $Y_d$ | 492_775 | 93.93 | 95.1 | 18.98 | 0.4515 | 0.4571 | 572 | 465 |
| $G_d$ | 492_569 | 40.44 | 62.59 | 18.98 | 0.3314 | 0.5129 | 535 | 535c |
| $C_d$ | 380_569 | 48.28 | 67.51 | 64.46 | 0.2678 | 0.3745 | 487 | 597 |
| $B_d$ | 380_492 | 33.38 | 30.02 | 61.65 | 0.2669 | 0.24 | 465 | 572 |
| $M_d$ | 569_492 | 86.87 | 62.53 | 61.65 | 0.4115 | 0.2962 | 535c | 535 |
| $W_d$ | 380_775 | 101.75100.0 | | 64.44 | 0.3822 | 0.3756 | 100% | |
| $N_d$ | 380_775 | 25.43 | 25.0 | 16.11 | 0.3822 | 0.3756 | 25% | |
| $Z_d$ | 380_775 | 18.31 | 18.0 | 11.6 | 0.3822 | 0.3756 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P40
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−5A

$XYZ_{W,10}$=104.71 , 99.99 , 52.16
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}800$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P35, $Y_{W,10}$=100, $Y_{N,10}$=25

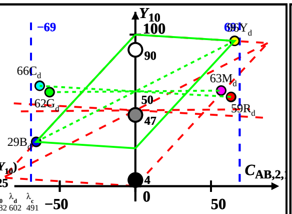



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 571_775 | 80.52 | 56.16 | 13.09 | 0.5376 | 0.3749 | 601 | 489 |
| $Y_d$ | 494_775 | 98.5 | 95.7 | 15.56 | 0.4695 | 0.4562 | 574 | 466 |
| $G_d$ | 494_571 | 44.25 | 64.63 | 15.56 | 0.3556 | 0.5193 | 540 | 540c |
| $C_d$ | 380_571 | 50.49 | 68.96 | 52.17 | 0.2942 | 0.4018 | 489 | 601 |
| $B_d$ | 380_494 | 32.51 | 29.42 | 49.7 | 0.2912 | 0.2635 | 466 | 574 |
| $M_d$ | 571_494 | 86.76 | 60.48 | 49.7 | 0.4405 | 0.3071 | 540c | 540 |
| $W_d$ | 380_775 | 104.7199.99 | | 52.16 | 0.4076 | 0.3892 | 100% | |
| $N_d$ | 380_775 | 26.17 | 24.99 | 13.04 | 0.4076 | 0.3892 | 25% | |
| $Z_d$ | 380_775 | 18.84 | 17.99 | 9.38 | 0.4076 | 0.3892 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P35
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−6A

$XYZ_{W,10}$=109.29 , 99.99 , 39.19
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 2{,}500$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P30, $Y_{W,10}$=100, $Y_{N,10}$=25

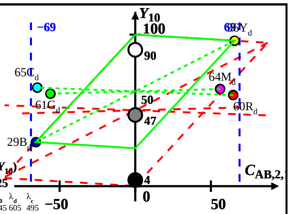



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 574_775 | 86.99 | 58.92 | 9.83 | 0.5585 | 0.3782 | 602 | 491 |
| $Y_d$ | 497_775 | 104.7495.87 | | 11.46 | 0.4938 | 0.452 | 577 | 469 |
| $G_d$ | 497_574 | 45.17 | 62.04 | 11.46 | 0.3806 | 0.5227 | 542 | 542c |
| $C_d$ | 380_574 | 49.75 | 66.19 | 39.2 | 0.3206 | 0.4266 | 491 | 602 |
| $B_d$ | 380_497 | 32.0 | 29.25 | 37.58 | 0.3238 | 0.2959 | 469 | 577 |
| $M_d$ | 574_497 | 91.57 | 63.07 | 37.58 | 0.4763 | 0.3281 | 542c | 542 |
| $W_d$ | 380_775 | 109.2999.99 | | 39.19 | 0.4398 | 0.4024 | 100% | |
| $N_d$ | 380_775 | 27.32 | 24.99 | 9.79 | 0.4398 | 0.4024 | 25% | |
| $Z_d$ | 380_775 | 19.67 | 17.99 | 7.05 | 0.4398 | 0.4024 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P30
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−7A

$XYZ_{W,10}$=116.54 , 99.99 , 26.13
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 3{,}700$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P25, $Y_{W,10}$=100, $Y_{N,10}$=25



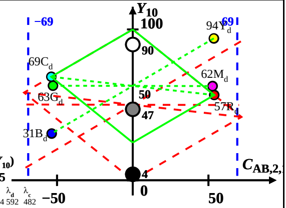

| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 578_775 | 93.74 | 60.07 | 6.56 | 0.5845 | 0.3745 | 605 | 495 |
| $Y_d$ | 500_775 | 113.6396.01 | | 7.48 | 0.5233 | 0.4421 | 580 | 473 |
| $G_d$ | 500_578 | 49.13 | 61.04 | 7.48 | 0.4176 | 0.5187 | 547 | 547c |
| $C_d$ | 380_578 | 52.08 | 65.05 | 26.14 | 0.3634 | 0.454 | 495 | 605 |
| $B_d$ | 380_500 | 32.19 | 29.11 | 25.21 | 0.372 | 0.3364 | 473 | 580 |
| $M_d$ | 578_500 | 96.68 | 64.08 | 25.21 | 0.5198 | 0.3445 | 547c | 547 |
| $W_d$ | 380_775 | 116.5499.99 | | 26.13 | 0.4802 | 0.412 | 100% | |
| $N_d$ | 380_775 | 29.13 | 24.99 | 6.53 | 0.4802 | 0.412 | 25% | |
| $Z_d$ | 380_775 | 20.97 | 17.99 | 4.7 | 0.4802 | 0.412 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P25
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK30−8A

BGK30−7N

$XYZ_{W,10}$=97.09 , 99.99 , 104.01
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P60, $Y_{W,10}$=100, $Y_{N,10}$=25

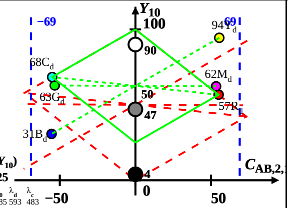



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 563_775 | 71.98 | 56.5 | 26.1 | 0.4656 | 0.3654 | 592 | 482 |
| $Y_d$ | 487_775 | 84.02 | 94.09 | 30.97 | 0.4018 | 0.45 | 567 | 460 |
| $G_d$ | 487_563 | 36.41 | 62.68 | 30.97 | 0.2799 | 0.4819 | 528 | 528c |
| $C_d$ | 380_563 | 49.5 | 68.62 | 104.04 | 0.2228 | 0.3088 | 482 | 592 |
| $B_d$ | 380_487 | 37.46 | 31.03 | 99.18 | 0.2234 | 0.185 | 460 | 567 |
| $M_d$ | 563_487 | 85.07 | 62.43 | 99.18 | 0.3448 | 0.253 | 528c | 528 |
| $W_d$ | 380_775 | 97.09 | 99.99 | 104.01 | 0.3224 | 0.3321 | 100% | |
| $N_d$ | 380_775 | 24.27 | 24.99 | 26.0 | 0.3224 | 0.3321 | 25% | |
| $Z_d$ | 380_775 | 17.47 | 17.99 | 18.72 | 0.3224 | 0.3321 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P60
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−1A

$XYZ_{W,10}$=97.65 , 100.0 , 95.55
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}900$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P55, $Y_{W,10}$=100, $Y_{N,10}$=25

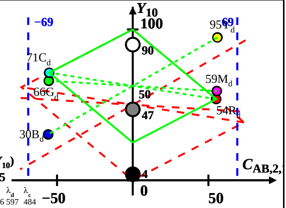



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 564_775 | 73.13 | 56.68 | 23.98 | 0.4755 | 0.3685 | 593 | 483 |
| $Y_d$ | 488_775 | 85.73 | 94.42 | 28.62 | 0.4106 | 0.4522 | 568 | 460 |
| $G_d$ | 488_564 | 37.1 | 62.84 | 28.62 | 0.2885 | 0.4887 | 529 | 529c |
| $C_d$ | 380_564 | 49.05 | 68.44 | 95.57 | 0.2302 | 0.3212 | 483 | 593 |
| $B_d$ | 380_488 | 36.45 | 30.69 | 90.93 | 0.2306 | 0.1941 | 460 | 568 |
| $M_d$ | 564_488 | 85.08 | 62.28 | 90.93 | 0.357 | 0.2613 | 529c | 529 |
| $W_d$ | 380_775 | 97.65 | 100.0 | 95.55 | 0.333 | 0.341 | 100% | |
| $N_d$ | 380_775 | 24.41 | 25.0 | 23.88 | 0.333 | 0.341 | 25% | |
| $Z_d$ | 380_775 | 17.57 | 18.0 | 17.19 | 0.333 | 0.341 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P55
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−2A

$XYZ_{W,10}$=98.51 , 99.99 , 86.17
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P50, $Y_{W,10}$=100, $Y_{N,10}$=25

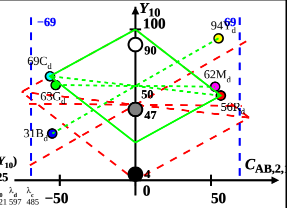



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 565_775 | 72.1 | 53.8 | 21.62 | 0.4887 | 0.3646 | 597 | 484 |
| $Y_d$ | 489_775 | 87.84 | 94.66 | 25.8 | 0.4216 | 0.4544 | 569 | 461 |
| $G_d$ | 489_565 | 40.46 | 65.96 | 25.8 | 0.3059 | 0.4988 | 534 | 534c |
| $C_d$ | 380_565 | 51.15 | 71.32 | 86.19 | 0.2451 | 0.3417 | 484 | 597 |
| $B_d$ | 380_489 | 35.42 | 30.45 | 82.01 | 0.2395 | 0.2059 | 461 | 569 |
| $M_d$ | 565_489 | 82.8 | 59.15 | 82.01 | 0.3696 | 0.2641 | 534c | 534 |
| $W_d$ | 380_775 | 98.51 | 99.99 | 86.17 | 0.346 | 0.3512 | 100% | |
| $N_d$ | 380_775 | 24.62 | 24.99 | 21.54 | 0.346 | 0.3512 | 25% | |
| $Z_d$ | 380_775 | 17.73 | 17.99 | 15.51 | 0.346 | 0.3512 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P50
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−3A

$XYZ_{W,10}$=99.8 , 100.0 , 75.8
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}100$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P45, $Y_{W,10}$=100, $Y_{N,10}$=25

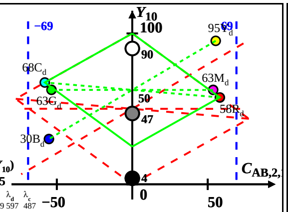



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 567_775 | 75.67 | 56.13 | 19.02 | 0.5016 | 0.3721 | 597 | 485 |
| $Y_d$ | 490_775 | 90.46 | 94.12 | 21.66 | 0.4386 | 0.4563 | 571 | 465 |
| $G_d$ | 490_567 | 39.83 | 63.09 | 21.66 | 0.3197 | 0.5063 | 536 | 536c |
| $C_d$ | 380_567 | 49.2 | 68.98 | 75.82 | 0.2536 | 0.3555 | 485 | 597 |
| $B_d$ | 380_490 | 34.41 | 30.99 | 73.19 | 0.2482 | 0.2236 | 465 | 571 |
| $M_d$ | 567_490 | 85.03 | 62.03 | 73.19 | 0.386 | 0.2816 | 536c | 536 |
| $W_d$ | 380_775 | 99.8 | 100.0 | 75.8 | 0.3621 | 0.3628 | 100% | |
| $N_d$ | 380_775 | 24.95 | 25.0 | 18.95 | 0.3621 | 0.3628 | 25% | |
| $Z_d$ | 380_775 | 17.96 | 18.0 | 13.64 | 0.3621 | 0.3628 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P45
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−4A

$XYZ_{W,10}$=101.75 , 100.0 , 64.44
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P40, $Y_{W,10}$=100, $Y_{N,10}$=25

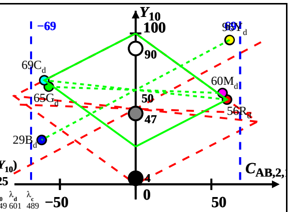



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 569_775 | 79.02 | 57.61 | 16.17 | 0.5171 | 0.3769 | 597 | 487 |
| $Y_d$ | 492_775 | 93.93 | 95.1 | 18.98 | 0.4515 | 0.4571 | 572 | 465 |
| $G_d$ | 492_569 | 40.44 | 62.59 | 18.98 | 0.3314 | 0.5129 | 535 | 535c |
| $C_d$ | 380_569 | 48.28 | 67.51 | 64.46 | 0.2678 | 0.3745 | 487 | 597 |
| $B_d$ | 380_492 | 33.38 | 30.02 | 61.65 | 0.2669 | 0.24 | 465 | 572 |
| $M_d$ | 569_492 | 86.87 | 62.53 | 61.65 | 0.4115 | 0.2962 | 535c | 535 |
| $W_d$ | 380_775 | 101.75100.0 | | 64.44 | 0.3822 | 0.3756 | 100% | |
| $N_d$ | 380_775 | 25.43 | 25.0 | 16.11 | 0.3822 | 0.3756 | 25% | |
| $Z_d$ | 380_775 | 18.31 | 18.0 | 11.6 | 0.3822 | 0.3756 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P40
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−5A

$XYZ_{W,10}$=104.71 , 99.99 , 52.16
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}800$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P35, $Y_{W,10}$=100, $Y_{N,10}$=25

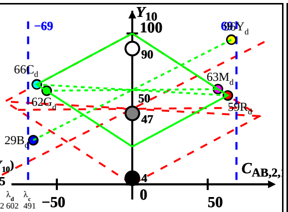



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 571_775 | 80.52 | 56.16 | 13.09 | 0.5376 | 0.3749 | 601 | 489 |
| $Y_d$ | 494_775 | 98.5 | 95.7 | 15.56 | 0.4695 | 0.4562 | 574 | 466 |
| $G_d$ | 494_571 | 44.25 | 64.63 | 15.56 | 0.3556 | 0.5193 | 540 | 540c |
| $C_d$ | 380_571 | 50.49 | 68.96 | 52.17 | 0.2942 | 0.4018 | 489 | 601 |
| $B_d$ | 380_494 | 32.51 | 29.42 | 49.7 | 0.2912 | 0.2635 | 466 | 574 |
| $M_d$ | 571_494 | 86.76 | 60.48 | 49.7 | 0.4405 | 0.3071 | 540c | 540 |
| $W_d$ | 380_775 | 104.7199.99 | | 52.16 | 0.4076 | 0.3892 | 100% | |
| $N_d$ | 380_775 | 26.17 | 24.99 | 13.04 | 0.4076 | 0.3892 | 25% | |
| $Z_d$ | 380_775 | 18.84 | 17.99 | 9.38 | 0.4076 | 0.3892 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P35
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−6A

$XYZ_{W,10}$=109.29 , 99.99 , 39.19
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 2{,}500$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P30, $Y_{W,10}$=100, $Y_{N,10}$=25

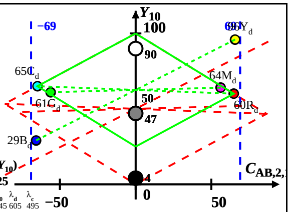



| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 574_775 | 86.99 | 58.92 | 9.83 | 0.5585 | 0.3782 | 602 | 491 |
| $Y_d$ | 497_775 | 104.7495.87 | | 11.46 | 0.4938 | 0.452 | 577 | 469 |
| $G_d$ | 497_574 | 45.17 | 62.04 | 11.46 | 0.3806 | 0.5227 | 542 | 542c |
| $C_d$ | 380_574 | 49.75 | 66.19 | 39.2 | 0.3206 | 0.4266 | 491 | 602 |
| $B_d$ | 380_497 | 32.0 | 29.25 | 37.58 | 0.3238 | 0.2959 | 469 | 577 |
| $M_d$ | 574_497 | 91.57 | 63.07 | 37.58 | 0.4763 | 0.3281 | 542c | 542 |
| $W_d$ | 380_775 | 109.2999.99 | | 39.19 | 0.4398 | 0.4024 | 100% | |
| $N_d$ | 380_775 | 27.32 | 24.99 | 9.79 | 0.4398 | 0.4024 | 25% | |
| $Z_d$ | 380_775 | 19.67 | 17.99 | 7.05 | 0.4398 | 0.4024 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P30
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−7A

$XYZ_{W,10}$=116.54 , 99.99 , 26.13
$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,n,10})\ Y_{10}$
$B_{2,10} = 2{,}5\ B_c\ (b_{2,10} - b_{2,n,10})\ Y_{10}$
$a_{2,10} = a_{20}\ [\ (x_{10} - x_c) / y_{10}]$
$b_{2,10} = b_{20}\ [\ z_{10} / y_{10}]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 3{,}700$
$C_{AB2,10}=[A_{2,10}^2+B_{2,10}^2]^{1/2}$
6 *Ostwald*-Farben (o)
von maximalem (m) $C_{AB,10}$ im
linearen Farbenraum ($C_{AB,2,10}$, $Y_{10}$)
Lichtart P25, $Y_{W,10}$=100, $Y_{N,10}$=25




| Name | Bereich | $X_{d,10}$ | $Y_{d,10}$ | $Z_{d,10}$ | $x_{d,10}$ | $y_{d,10}$ | $\lambda_d$ | $\lambda_c$ |
|---|---|---|---|---|---|---|---|---|
| $R_d$ | 578_775 | 93.74 | 60.07 | 6.56 | 0.5845 | 0.3745 | 605 | 495 |
| $Y_d$ | 500_775 | 113.6396.01 | | 7.48 | 0.5233 | 0.4421 | 580 | 473 |
| $G_d$ | 500_578 | 49.13 | 61.04 | 7.48 | 0.4176 | 0.5187 | 547 | 547c |
| $C_d$ | 380_578 | 52.08 | 65.05 | 26.14 | 0.3634 | 0.454 | 495 | 605 |
| $B_d$ | 380_500 | 32.19 | 29.11 | 25.21 | 0.372 | 0.3364 | 473 | 580 |
| $M_d$ | 578_500 | 96.68 | 64.08 | 25.21 | 0.5198 | 0.3445 | 547c | 547 |
| $W_d$ | 380_775 | 116.5499.99 | | 26.13 | 0.4802 | 0.412 | 100% | |
| $N_d$ | 380_775 | 29.13 | 24.99 | 6.53 | 0.4802 | 0.412 | 25% | |
| $Z_d$ | 380_775 | 20.97 | 17.99 | 4.7 | 0.4802 | 0.412 | 18% | |

**Parameter:**
$Y_{10}$ & Name
Lichtart P25
$Y_{W,10}$=100, $Y_{N,10}$=25

BGK31−8A

BGK31−7N

TUB-Registrierung: 20220301-BGK3/BGK3L0NA.TXT /.PS
TUB-Material: Code=rha4ta
Anwendung für Beurteilung und Messung von Display- oder Druck-Ausgabe