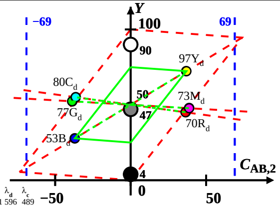
see similar files: http://farbe.li.tu-berlin.de/BEF4/BEF4.HTM
technical information: http://farbe.li.tu-berlin.de or http://farbe.li.tu-berlin.de/

XYZ_W=97.06 , 99.99 , 104.57
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P60, Y_W=100, Y_N=50

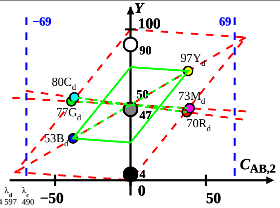


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	568_775	79.97	70.08	52.41	0.3949	0.3461	596	489
Y_d	494_775	88.45	97.34	55.59	0.3664	0.4032	571	463
G_d	494_568	57.1	77.35	55.57	0.3005	0.407	535	535c
C_d	380_568	65.77	80.06	104.6	0.2626	0.3197	489	596
B_d	380_494	57.29	52.8	101.42	0.2708	0.2496	463	571
M_d	568_494	88.64	72.79	101.44	0.3371	0.2769	535c	535
W_d	380_775	97.06	99.99	104.57	0.3218	0.3315	100%	
N_d	380_775	48.53	49.99	52.28	0.3218	0.3315	50%	
Z_d	380_775	17.47	17.99	18.82	0.3218	0.3315	18%	

Parameter:
***Y* & Name**
Illuminant P60
Y_W=100, Y_N=50

BEF40−1A

XYZ_W=97.45 , 100.0 , 95.98
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}900$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P55, Y_W=100, Y_N=50

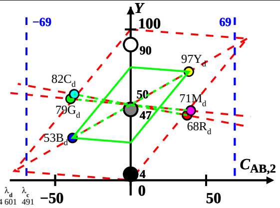


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	569_775	80.8	70.17	48.11	0.4058	0.3524	597	490
Y_d	494_775	89.6	97.41	51.05	0.3763	0.4091	572	464
G_d	494_569	57.61	77.34	51.02	0.3098	0.4158	536	536c
C_d	380_569	65.52	79.97	96.0	0.2713	0.3311	490	597
B_d	380_494	56.73	52.73	93.07	0.2801	0.2603	464	572
M_d	569_494	88.71	72.8	93.09	0.3484	0.2859	536c	536
W_d	380_775	97.45	100.0	95.98	0.3321	0.3407	100%	
N_d	380_775	48.72	50.0	47.99	0.3321	0.3407	50%	
Z_d	380_775	17.54	18.0	17.27	0.3321	0.3407	18%	

Parameter:
***Y* & Name**
Illuminant P55
Y_W=100, Y_N=50

BEF40−2A

XYZ_W=98.12 , 100.0 , 86.5
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P50, Y_W=100, Y_N=50

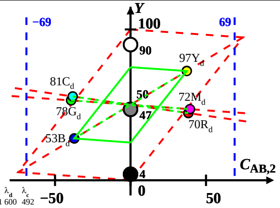


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	80.21	68.13	43.35	0.4184	0.3554	601	491
Y_d	495_775	91.07	97.01	45.35	0.3901	0.4155	573	467
G_d	495_570	60.02	78.98	45.33	0.3256	0.4284	542	542c
C_d	380_570	67.12	82.01	86.52	0.2848	0.348	491	601
B_d	380_495	56.25	53.13	84.52	0.2901	0.2739	467	573
M_d	570_495	87.3	71.16	84.54	0.3592	0.2928	542c	542
W_d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N_d	380_775	49.06	50.0	43.25	0.3447	0.3513	50%	
Z_d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

Parameter:
***Y* & Name**
Illuminant P50
Y_W=100, Y_N=50

BEF40−3A

XYZ_W=99.2 , 100.0 , 76.07
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}100$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P45, Y_W=100, Y_N=50

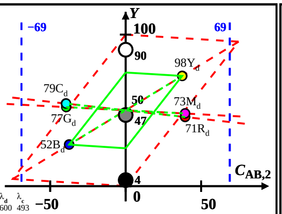


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	572_775	82.76	69.54	38.13	0.4345	0.3651	600	492
Y_d	497_775	93.08	97.41	40.21	0.4034	0.4222	574	467
G_d	497_572	60.02	77.97	40.19	0.3368	0.4375	541	541c
C_d	380_572	66.18	80.6	76.08	0.2969	0.3616	492	600
B_d	380_497	55.86	52.73	74.0	0.3059	0.2887	467	574
M_d	572_497	88.93	72.17	74.02	0.3782	0.3069	541c	541
W_d	380_775	99.2	100.0	76.07	0.3603	0.3632	100%	
N_d	380_775	49.6	50.0	38.03	0.3603	0.3632	50%	
Z_d	380_775	17.85	18.0	13.69	0.3603	0.3632	18%	

Parameter:
***Y* & Name**
Illuminant P45
Y_W=100, Y_N=50

BEF40−4A

XYZ_W=100.93 , 100.0 , 64.68
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P40, Y_W=100, Y_N=50

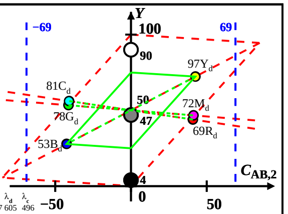


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	573_775	85.62	70.65	32.43	0.4537	0.3743	600	493
Y_d	498_775	95.81	97.72	34.43	0.4202	0.4286	576	468
G_d	498_573	60.75	77.17	34.41	0.3525	0.4477	540	540c
C_d	380_573	65.92	79.49	64.69	0.3137	0.3783	493	600
B_d	380_498	55.73	52.42	62.69	0.3262	0.3068	468	576
M_d	573_498	90.79	72.97	62.71	0.4008	0.3222	540c	540
W_d	380_775	100.93	100.0	64.68	0.3799	0.3764	100%	
N_d	380_775	50.46	50.0	32.34	0.3799	0.3764	50%	
Z_d	380_775	18.16	18.0	11.64	0.3799	0.3764	18%	

Parameter:
***Y* & Name**
Illuminant P40
Y_W=100, Y_N=50

BEF40−5A

XYZ_W=103.66 , 99.99 , 52.43
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P35, Y_W=100, Y_N=50

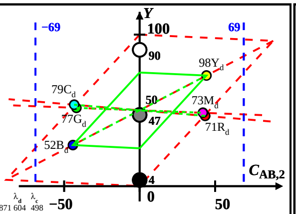


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	575_775	86.85	68.98	26.28	0.4768	0.3787	605	496
Y_d	500_775	99.6	97.31	27.49	0.4438	0.4336	578	472
G_d	500_575	64.68	78.42	27.47	0.3791	0.4597	548	548c
C_d	380_575	68.8	81.16	52.44	0.3399	0.4009	496	605
B_d	380_500	56.05	52.83	51.23	0.35	0.3299	472	578
M_d	575_500	90.97	71.72	51.25	0.4251	0.3352	548c	548
W_d	380_775	103.66	99.99	52.43	0.4047	0.3904	100%	
N_d	380_775	51.83	49.99	26.21	0.4047	0.3904	50%	
Z_d	380_775	18.66	18.0	9.43	0.4047	0.3904	18%	

Parameter:
***Y* & Name**
Illuminant P35
Y_W=100, Y_N=50

BEF40−6A

XYZ_W=108.04 , 100.0 , 39.55
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 2{,}500$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P30, Y_W=100, Y_N=50

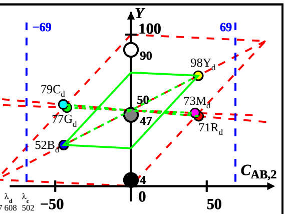


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	578_775	93.17	71.4	19.83	0.5052	0.3871	604	498
Y_d	503_775	105.07	98.0	21.09	0.4687	0.4371	580	473
G_d	503_578	66.03	76.7	21.07	0.4031	0.4682	546	546c
C_d	380_578	69.05	78.74	39.54	0.3685	0.4203	498	604
B_d	380_503	57.14	52.14	38.28	0.3872	0.3533	473	580
M_d	578_503	96.19	73.44	38.3	0.4625	0.3531	546c	546
W_d	380_775	108.04	100.0	39.55	0.4363	0.4038	100%	
N_d	380_775	54.02	50.0	19.77	0.4363	0.4038	50%	
Z_d	380_775	19.44	18.0	7.11	0.4363	0.4038	18%	

Parameter:
***Y* & Name**
Illuminant P30
Y_W=100, Y_N=50

BEF40−7A

XYZ_W=115.18 , 100.0 , 26.59
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 3{,}700$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P25, Y_W=100, Y_N=50



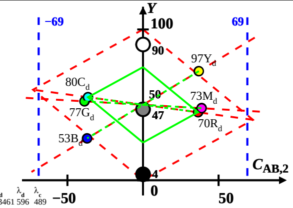
Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	582_775	99.12	71.23	13.34	0.5396	0.3877	608	502
Y_d	506_775	113.29	97.93	14.1	0.5027	0.4346	583	478
G_d	506_582	71.87	76.8	14.08	0.4415	0.4718	552	552c
C_d	380_582	73.82	78.91	26.59	0.4116	0.44	502	608
B_d	380_506	59.65	52.21	25.82	0.4332	0.3791	478	583
M_d	582_506	101.07	73.34	25.84	0.5046	0.3662	552c	552
W_d	380_775	115.18	100.0	26.59	0.4764	0.4136	100%	
N_d	380_775	57.59	50.0	13.29	0.4764	0.4136	50%	
Z_d	380_775	20.73	18.0	4.78	0.4764	0.4136	18%	

Parameter:
***Y* & Name**
Illuminant P25
Y_W=100, Y_N=50

BEF40−8A

BEF40−7N

XYZ_W=97.06 , 99.99 , 104.57
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P60, Y_W=100, Y_N=50

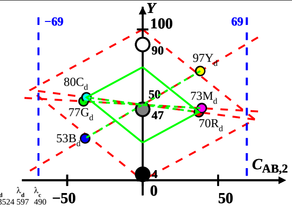


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	568_775	79.97	70.08	52.41	0.3949	0.3461	596	489
Y_d	494_775	88.45	97.34	55.59	0.3664	0.4032	571	463
G_d	494_568	57.1	77.35	55.57	0.3005	0.407	535	535c
C_d	380_568	65.77	80.06	104.6	0.2626	0.3197	489	596
B_d	380_494	57.29	52.8	101.42	0.2708	0.2496	463	571
M_d	568_494	88.64	72.79	101.44	0.3371	0.2769	535c	535
W_d	380_775	97.06	99.99	104.57	0.3218	0.3315	100%	
N_d	380_775	48.53	49.99	52.28	0.3218	0.3315	50%	
Z_d	380_775	17.47	17.99	18.82	0.3218	0.3315	18%	

Parameter:
***Y* & Name**
Illuminant P60
Y_W=100, Y_N=50

BEF41−1A

XYZ_W=97.45 , 100.0 , 95.98
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 0{,}900$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P55, Y_W=100, Y_N=50

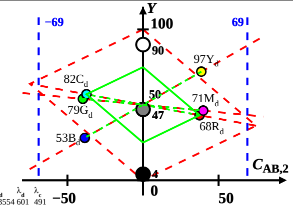


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	569_775	80.8	70.17	48.11	0.4058	0.3524	597	490
Y_d	494_775	89.6	97.41	51.05	0.3763	0.4091	572	464
G_d	494_569	57.61	77.34	51.02	0.3098	0.4158	536	536c
C_d	380_569	65.52	79.97	96.0	0.2713	0.3311	490	597
B_d	380_494	56.73	52.73	93.07	0.2801	0.2603	464	572
M_d	569_494	88.71	72.8	93.09	0.3484	0.2859	536c	536
W_d	380_775	97.45	100.0	95.98	0.3321	0.3407	100%	
N_d	380_775	48.72	50.0	47.99	0.3321	0.3407	50%	
Z_d	380_775	17.54	18.0	17.27	0.3321	0.3407	18%	

Parameter:
***Y* & Name**
Illuminant P55
Y_W=100, Y_N=50

BEF41−2A

XYZ_W=98.12 , 100.0 , 86.5
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}000$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P50, Y_W=100, Y_N=50

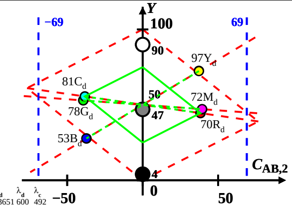


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	570_775	80.21	68.13	43.35	0.4184	0.3554	601	491
Y_d	495_775	91.07	97.01	45.35	0.3901	0.4155	573	467
G_d	495_570	60.02	78.98	45.33	0.3256	0.4284	542	542c
C_d	380_570	67.12	82.01	86.52	0.2848	0.348	491	601
B_d	380_495	56.25	53.13	84.52	0.2901	0.2739	467	573
M_d	570_495	87.3	71.16	84.54	0.3592	0.2928	542c	542
W_d	380_775	98.12	100.0	86.5	0.3447	0.3513	100%	
N_d	380_775	49.06	50.0	43.25	0.3447	0.3513	50%	
Z_d	380_775	17.66	18.0	15.57	0.3447	0.3513	18%	

Parameter:
***Y* & Name**
Illuminant P50
Y_W=100, Y_N=50

BEF41−3A

XYZ_W=99.2 , 100.0 , 76.07
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}100$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P45, Y_W=100, Y_N=50

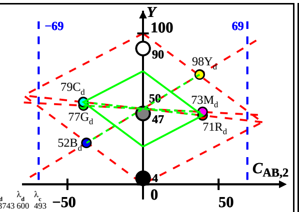


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	572_775	82.76	69.54	38.13	0.4345	0.3651	600	492
Y_d	497_775	93.08	97.41	40.21	0.4034	0.4222	574	467
G_d	497_572	60.02	77.97	40.19	0.3368	0.4375	541	541c
C_d	380_572	66.18	80.6	76.08	0.2969	0.3616	492	600
B_d	380_497	55.86	52.73	74.0	0.3059	0.2887	467	574
M_d	572_497	88.93	72.17	74.02	0.3782	0.3069	541c	541
W_d	380_775	99.2	100.0	76.07	0.3603	0.3632	100%	
N_d	380_775	49.6	50.0	38.03	0.3603	0.3632	50%	
Z_d	380_775	17.85	18.0	13.69	0.3603	0.3632	18%	

Parameter:
***Y* & Name**
Illuminant P45
Y_W=100, Y_N=50

BEF41−4A

XYZ_W=100.93 , 100.0 , 64.68
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}300$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P40, Y_W=100, Y_N=50

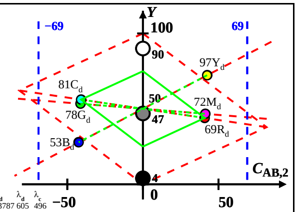


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	573_775	85.62	70.65	32.43	0.4537	0.3743	600	493
Y_d	498_775	95.81	97.72	34.43	0.4202	0.4286	576	468
G_d	498_573	60.75	77.17	34.41	0.3525	0.4477	540	540c
C_d	380_573	65.92	79.49	64.69	0.3137	0.3783	493	600
B_d	380_498	55.73	52.42	62.69	0.3262	0.3068	468	576
M_d	573_498	90.79	72.97	62.71	0.4008	0.3222	540c	540
W_d	380_775	100.93	100.0	64.68	0.3799	0.3764	100%	
N_d	380_775	50.46	50.0	32.34	0.3799	0.3764	50%	
Z_d	380_775	18.16	18.0	11.64	0.3799	0.3764	18%	

Parameter:
***Y* & Name**
Illuminant P40
Y_W=100, Y_N=50

BEF41−5A

XYZ_W=103.66 , 99.99 , 52.43
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 1{,}800$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P35, Y_W=100, Y_N=50

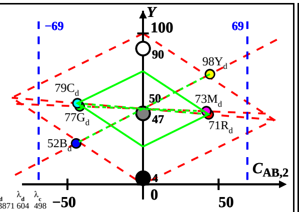


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	575_775	86.85	68.98	26.28	0.4768	0.3787	605	496
Y_d	500_775	99.6	97.31	27.49	0.4438	0.4336	578	472
G_d	500_575	64.68	78.42	27.47	0.3791	0.4597	548	548c
C_d	380_575	68.8	81.16	52.44	0.3399	0.4009	496	605
B_d	380_500	56.05	52.83	51.23	0.35	0.3299	472	578
M_d	575_500	90.97	71.72	51.25	0.4251	0.3352	548c	548
W_d	380_775	103.66	99.99	52.43	0.4047	0.3904	100%	
N_d	380_775	51.83	49.99	26.21	0.4047	0.3904	50%	
Z_d	380_775	18.66	18.0	9.43	0.4047	0.3904	18%	

Parameter:
***Y* & Name**
Illuminant P35
Y_W=100, Y_N=50

BEF41−6A

XYZ_W=108.04 , 100.0 , 39.55
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 2{,}500$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P30, Y_W=100, Y_N=50

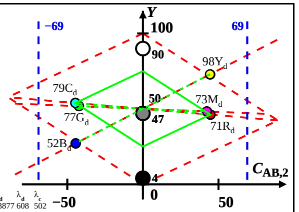


Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	578_775	93.17	71.4	19.83	0.5052	0.3871	604	498
Y_d	503_775	105.07	98.0	21.09	0.4687	0.4371	580	473
G_d	503_578	66.03	76.7	21.07	0.4031	0.4682	546	546c
C_d	380_578	69.05	78.74	39.54	0.3685	0.4203	498	604
B_d	380_503	57.14	52.14	38.28	0.3872	0.3533	473	580
M_d	578_503	96.19	73.44	38.3	0.4625	0.3531	546c	546
W_d	380_775	108.04	100.0	39.55	0.4363	0.4038	100%	
N_d	380_775	54.02	50.0	19.77	0.4363	0.4038	50%	
Z_d	380_775	19.44	18.0	7.11	0.4363	0.4038	18%	

Parameter:
***Y* & Name**
Illuminant P30
Y_W=100, Y_N=50

BEF41−7A

XYZ_W=115.18 , 100.0 , 26.59
$A_2 = 2{,}5\,(a_2 - a_{2,n})\,Y$
$B_2 = 2{,}5\,B_c\,(b_2 - b_{2,n})\,Y$
$a_2 = a_{20}\,[\,(x - x_c)/y\,]$
$b_2 = b_{20}\,[\,z/y\,]$
$a_{20} = 1,\ b_{20} = -0{,}4$
$x_c = 0{,}110,\ B_c = 3{,}700$
$C_{AB2}=[A_2^2+B_2^2]^{1/2}$
6 *Ostwald* colours (o)
of maximum (m) C_{AB} in
linear colour space ($C_{AB,2}$, Y)
Illumin. P25, Y_W=100, Y_N=50



Name	Range	X_d	Y_d	Z_d	x_d	y_d	λ_d	λ_c
R_d	582_775	99.12	71.23	13.34	0.5396	0.3877	608	502
Y_d	506_775	113.29	97.93	14.1	0.5027	0.4346	583	478
G_d	506_582	71.87	76.8	14.08	0.4415	0.4718	552	552c
C_d	380_582	73.82	78.91	26.59	0.4116	0.44	502	608
B_d	380_506	59.65	52.21	25.82	0.4332	0.3791	478	583
M_d	582_506	101.07	73.34	25.84	0.5046	0.3662	552c	552
W_d	380_775	115.18	100.0	26.59	0.4764	0.4136	100%	
N_d	380_775	57.59	50.0	13.29	0.4764	0.4136	50%	
Z_d	380_775	20.73	18.0	4.78	0.4764	0.4136	18%	

Parameter:
***Y* & Name**
Illuminant P25
Y_W=100, Y_N=50

BEF41−8A

BEF41−7N

TUB registration: 20220301-BEF4/BEF4L0NP.PDF /.PS
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

TUB-test chart BEF4; 6 *Ostwald* optimal colours for 8 illuminants Pxx, input: *rgb/cmy0/000k/n*
CIE-02, diagrams ($C_{AB,2}$, *Y*), *C*=2:1, scale *Y*=0 to 100, antagonistic reflection