XYZ$_{W,10}$=94.81 , 100.0 , 107.33

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 0{,}800$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. D65, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	561_775	68.58	54.26	26.94	0.4576	0.3625	593	482
Y_o	487_775	81.44	93.61	31.88	0.3935	0.4523	566	461
G_o	487_561	36.66	64.39	31.88	0.2757	0.4843	529	529c
C_o	380_561	50.05	70.8	107.36	0.2193	0.3102	482	593
B_o	380_487	37.18	31.5	102.41	0.2173	0.1841	461	566
M_o	561_487	81.97	60.72	102.41	0.3344	0.2477	529	c529
W	380_775	94.81	100.0	107.33	0.3137	0.3309	100%	
N_o	380_775	23.7	25.0	26.83	0.3137	0.3309	25%	
Z_o	380_775	17.06	18.0	19.32	0.3137	0.3309	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant D65
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-1A

XYZ$_{W,10}$=96.72 , 99.99 , 81.41

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 1{,}000$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. D50, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	565_775	73.59	56.57	20.43	0.4886	0.3756	594	484
Y_o	490_775	86.82	94.52	24.44	0.4218	0.4593	568	463
G_o	490_565	37.5	63.04	24.44	0.3	0.5043	531	531c
C_o	380_565	47.43	68.54	81.43	0.2402	0.3472	484	594
B_o	380_490	34.2	30.6	77.41	0.2405	0.2151	463	568
M_o	565_490	83.51	62.07	77.41	0.3744	0.2783	531	c531
W	380_775	96.72	99.99	81.41	0.3477	0.3595	100%	
N_o	380_775	24.18	24.99	20.35	0.3477	0.3595	25%	
Z_o	380_775	17.41	17.99	14.65	0.3477	0.3595	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant D50
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-2A

XYZ$_{W,10}$=101.75 , 100.0 , 64.44

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 1{,}300$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. P40, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	569_775	79.02	57.11	16.17	0.5171	0.3769	597	487
Y_o	492_775	93.93	95.1	18.98	0.4515	0.4571	572	465
G_o	492_569	40.44	62.59	18.98	0.3314	0.5129	535	535c
C_o	380_569	48.28	67.51	64.46	0.2678	0.3745	487	597
B_o	380_492	33.38	30.02	61.65	0.2669	0.24	465	572
M_o	569_492	86.87	62.53	61.65	0.4115	0.2962	535c	535
W	380_775	101.75	100.0	64.44	0.3822	0.3756	100%	
N_o	380_775	25.43	25.0	16.11	0.3822	0.3756	25%	
Z_o	380_775	18.31	18.0	11.6	0.3822	0.3756	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

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

BEQ81-3A

XYZ$_{W,10}$=111.15 , 99.99 , 35.19

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 2{,}500$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. A00, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	575_775	85.43	56.02	8.83	0.5684	0.3727	606	493
Y_o	498_775	107.1	96.32	10.48	0.5006	0.4502	577	469
G_o	498_575	49.57	65.4	10.48	0.3951	0.5213	546	546c
C_o	380_575	53.63	69.1	35.2	0.3395	0.4374	493	606
B_o	380_498	31.96	28.79	33.55	0.3389	0.3052	469	577
M_o	575_498	89.5	59.71	33.55	0.4896	0.3267	546c	546
W	380_775	111.1	599.99	35.19	0.4511	0.4059	100%	
N_o	380_775	27.78	24.99	8.79	0.4511	0.4059	25%	
Z_o	380_775	20.0	18.0	6.33	0.4511	0.4059	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant A00
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-4A

XYZ$_{W,10}$=99.99 , 99.99 , 100.0

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 0{,}900$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. E00, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	564_775	74.64	56.8	25.1	0.4768	0.3628	594	482
Y_o	487_775	87.39	94.42	29.8	0.4129	0.4461	568	459
G_o	487_564	37.84	62.71	29.8	0.2902	0.481	530	530c
C_o	380_564	50.46	68.31	100.03	0.2306	0.3122	482	594
B_o	380_487	37.71	30.69	95.33	0.2303	0.1874	459	568
M_o	564_487	87.27	62.4	95.33	0.3561	0.2547	530c	530
W	380_775	99.99	99.99	100.0	0.3333	0.3333	100%	
N_o	380_775	24.99	24.99	25.0	0.3333	0.3333	25%	
Z_o	380_775	17.99	17.99	18.0	0.3333	0.3333	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant E00
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-5A

XYZ$_{W,10}$=97.28 , 99.99 , 116.14

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 0{,}700$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. C00, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	561_775	70.18	55.16	29.15	0.4542	0.357	593	481
Y_o	486_775	82.69	92.93	33.75	0.3949	0.4438	567	461
G_o	486_561	36.93	62.87	33.75	0.2765	0.4707	530	530c
C_o	380_561	51.54	69.96	116.17	0.2168	0.2943	481	593
B_o	380_486	39.03	32.18	111.57	0.2135	0.176	461	567
M_o	561_486	84.79	62.25	111.57	0.3278	0.2407	530c	530
W	380_775	97.28	99.99	116.14	0.3103	0.319	100%	
N_o	380_775	24.32	24.99	29.03	0.3103	0.319	25%	
Z_o	380_775	17.51	18.0	20.9	0.3103	0.319	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant C00
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-6A

XYZ$_{W,10}$=102.37 , 99.99 , 81.25

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 1{,}000$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. P00, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	567_775	78.08	57.18	20.39	0.5016	0.3673	597	484
Y_o	489_775	92.27	94.96	24.2	0.4364	0.4491	571	461
G_o	489_567	39.88	62.88	24.2	0.3141	0.4952	533	533c
C_o	380_567	50.01	67.94	81.27	0.251	0.341	484	597
B_o	380_489	35.81	30.16	77.46	0.2497	0.2102	461	571
M_o	567_489	88.21	62.24	77.46	0.387	0.273	533c	533
W	380_775	102.3	799.99	81.25	0.3609	0.3525	100%	
N_o	380_775	25.59	24.99	20.31	0.3609	0.3525	25%	
Z_o	380_775	18.42	18.0	14.62	0.3609	0.3525	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant P00
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-7A

XYZ$_{W,10}$=97.65 , 100.0 , 118.42

$A_{2,10} = 2{,}5\ (a_{2,10} - a_{2,a,10})\ Y_{10}$

$B_{2,10} = 2{,}5\ B_z\ (b_{2,10} - b_{2,a,10})\ Y_{10}$

$a_{2,10} = a_{20}\ [\ (x_{10} - x_r)\ /\ y_{10}]$

$b_{2,10} = b_{20}\ [\ z_{10}\ /\ y_{10}]$

$a_{20} = 1,\ b_{20} = -0{,}4$

$x_r = 0{,}110,\ B_z = 0{,}700$

$C_{AB2,10} = [A_{2,10}{}^2 + B_{2,10}{}^2]^{1/2}$

6 *Ostwald* colours (o)

of maximum (m) $C_{AB,10}$ in linear colour space ($C_{AB,2,10}$, Y_{10})

Illumin. Q00, $Y_{W,10}$=100, $Y_{N,10}$=25

Name	Range	$X_{A,10}$	$Y_{A,10}$	$Z_{A,10}$	$x_{A,10}$	$y_{A,10}$	λ_d	λ_c
R_o	561_775	70.11	54.91	29.72	0.453	0.3548	593	481
Y_o	486_775	82.53	93.19	34.21	0.3931	0.4439	566	459
G_o	486_561	36.93	63.38	34.21	0.2745	0.4711	530	530c
C_o	380_561	52.07	70.21	118.45	0.2162	0.2916	481	593
B_o	380_486	39.64	31.93	113.96	0.2136	0.172	459	566
M_o	561_486	85.25	61.74	113.96	0.3266	0.2366	530c	530
W	380_775	97.65	100.0	118.42	0.3089	0.3163	100%	
N_o	380_775	24.41	25.0	29.6	0.3089	0.3163	25%	
Z_o	380_775	17.57	18.0	21.31	0.3089	0.3163	18%	

f(Y$_{10,an}$)=±[1+10 |Y$_{10,an}$|^n]

n increases to 1 for:

1. decreasing of the contrast *C*
2. adjacent compared to separate colours.

Parameter:
Y_{10} & Name
Illuminant Q00
$Y_{W,10}$=100, $Y_{N,10}$=25

BEQ81-8A