

$XYZ_{w,10} = 94.8136, 100.0, 107.38^*$
 $a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$
 $b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$
 $a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$
 $b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$
 $a_{20} = [1/X_{D65,10}]^{1/3} = 0.2193$
 $b_{20} = -[1/Z_{D65,10}]^{1/3} = -0.08418$
 $n = D65$

$$b^*_{10} = 500 (b'_{10} - b'_{n,10}) \Gamma_{10}^{1/3}$$
$$q'_{10} = q_{20} [x_{10}/y_{10}]^{1/3}$$
$$a_{20} = [1/X_{D65,10}]^{1/3} = 0,2193$$
$$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0.08418$$

$n = \text{D65}$

Optimalfarben (o):

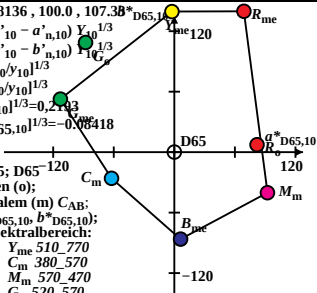
Buntheit ($a^*_{D65,10}$, $b^*_{D65,10}$);

Name und Spektralbereich:

G_{me} 470_570 C_m 380_570

 $B_{me} \ 380_510 \quad M_m \ 570_470$

R_0 570_440 G_0 520_570



$XYZ_{w,10}=96.7256, 100.0, 81.41b^*_{D65,10}$

$a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$

$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0,2193$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0,08418$

$n = D50$

CIELAB_D65; D50-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

Buntheit ($a^*_{D65,10}, b^*_{D65,10}$);

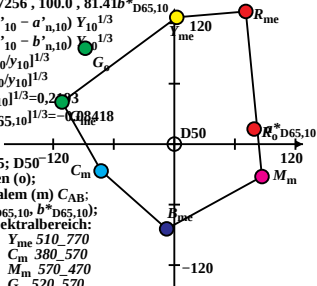
Name und Spektralbereich:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570



$XYZ_{w,10}=99.8033, 100.0, 75.8 \quad b^*_{D65,10}$

$a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$

$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0.2193$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0.08418$

$n = P45$

CIELAB_D65; P45

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

Buntheit ($a^*_{D65,10}, b^*_{D65,10}$);

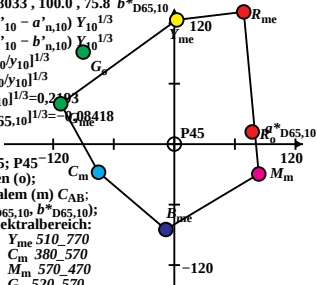
Name und Spektralbereich:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570



$XYZ_{w,10}=111.15, 100.0, 35.19$ $b^*_{D65,10}$

$a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$

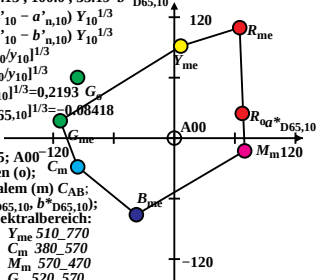
$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0,2193 G_o$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0,08418$

$n = A00$



CIELAB_D65; A00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

Buntheit ($a^*_{D65,10}, b^*_{D65,10}$);

Name und Spektralbereich:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570

$XYZ_{w,10}=99.9908, 99.9999, 100.0000$

$a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$

$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0.2193$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0.08418$

$n = E00$

CIELAB_D65; E00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

Buntheit ($a^*_{D65,10}, b^*_{D65,10}$);

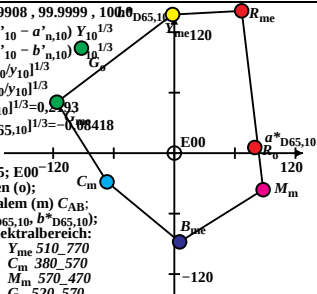
Name und Spektralbereich:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570



$XYZ_{w,10}=97.2866, 100.0, 116.14$

$a^*_{10} = 500 (a'_{10} - a'_{n,10}) Y_{10}^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10}) Y_{10}^{1/3}$

$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0.2193$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0.08418$

$n = C00$

CIELAB_D65; C00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

Buntheit ($a^*_{D65,10}, b^*_{D65,10}$);

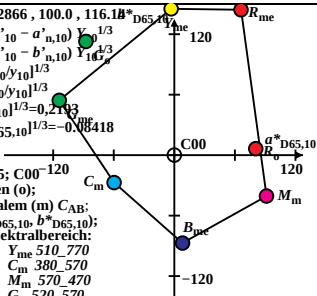
Name und Spektralbereich:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570



$XYZ_{w,10}=98.4058, 100.0, 122.514$

$a^*_{10} = 500 (a'_{10} - a'_{n,10})^{1/3}$

$b^*_{10} = 500 (b'_{10} - b'_{n,10})^{1/3}$

$a'_{10} = a_{20} [x_{10}/y_{10}]^{1/3}$

$b'_{10} = b_{20} [z_{10}/y_{10}]^{1/3}$

$a_{20} = [1/X_{D65,10}]^{1/3} = 0.2103$

$b_{210} = -[1/Z_{D65,10}]^{1/3} = -0.08418$

$n = Q00$

CIELAB_D65; Q00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

Buntheit ($a^*_{D65,10}, b^*_{D65,10}$);

Name und Spektralbereich:

R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570

