

$XYZ_w = 95.0443, 100.0, 108.89$ b^*_{D65}

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0,2$

$b_{20} = -[1/Z_{D65}]^{1/3} = -0,08877$

$n = D65$

CIELAB_D65; D65-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

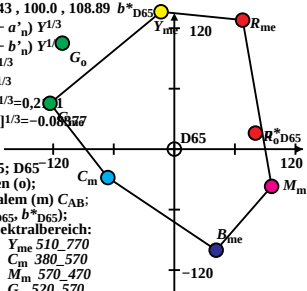
Name und Spektralbereich:

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



$XYZ_w = 96.4228, 100.0, 82.49$ b^*_{D65}

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0,2191$

$b_2 = -[1/Z_{D65}]^{1/3} = -0,08377$

$n = D50$

CIELAB_D65; D50⁻¹²⁰

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

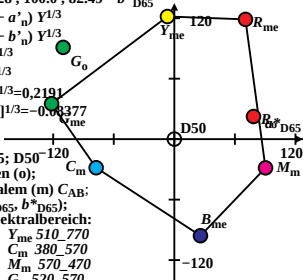
Name und Spektralbereich:

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



$XYZ_w = 99.2057, 100.0, 76.07$ b^*_{D65}

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0,2191$

$b_{20} = -[1/Z_{D65}]^{1/3} = -0,6377$

$n = P45$

CIELAB_D65; P45

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

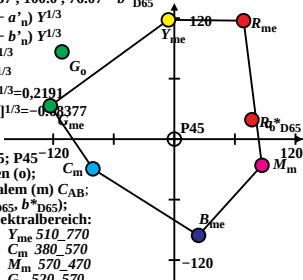
Name und Spektralbereich:

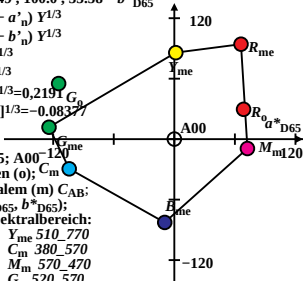
R_{me} 570_770 Y_{me} 510_770

G_{me} 470_570 C_m 380_570

B_{me} 380_510 M_m 570_470

R_o 570_440 G_o 520_570



$$XYZ_w=109.849, 100.0, 35.58 \quad b^*_{D65}$$
$$a^* = 500 (a' - a'_n) Y^{1/3}$$
$$b^* = 500 (b' - b'_n) Y^{1/3}$$
$$a' = a_{20} [x/y]^{1/3}$$
$$b' = b_{20} [z/y]^{1/3}$$
$$a_{20}=[1/X_{D65}]^{1/3}=0,2191 \text{ G.}$$
$$b_2 = -[1/Z_{D65}]^{1/3} = -0.0837$$
$$n = 100$$


CIELAB_D65; A00⁻¹²⁰
Optimalfarben (o); C_m

6 von maximalem (m) C_{AB} :

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

Name und Spektralbereich:

 $R_{me} 570_770 \quad Y_{me} 510_770$

G_{me} 470_570 C_m 380_570

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

R₀ 570_440 G₀ 520_570

$XYZ_w = 100.001, 100.0, 100.0$ b^*_{D65}

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0.21$

$b_{20} = -[1/Z_{D65}]^{1/3} = -0.08377$

$n = E00$

CIELAB_D65; E00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

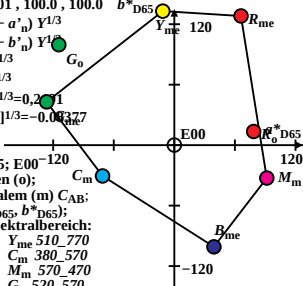
Name und Spektralbereich:

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



$XYZ_w = 98.0718, 100.0, 118.22$ b^*_{D65}

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0,21221$

$b_{20} = -[1/Z_{D65}]^{1/3} = -0,08907$

$n = C00$

CIELAB_D65; C00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

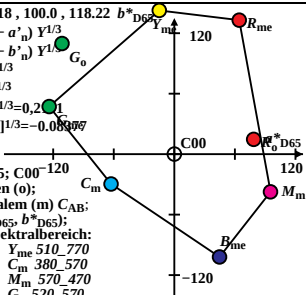
Name und Spektralbereich:

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



$XYZ_w = 102.067, 100.0, 81.06$ b^*_{D65}

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0,2191$

$b_{20} = -[1/Z_{D65}]^{1/3} = -0,08377$

$n = P00$

CIELAB_D65; P00⁻¹²⁰

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

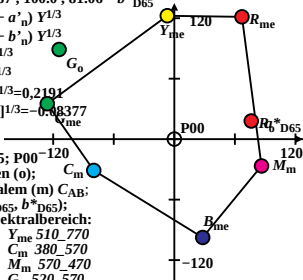
Name und Spektralbereich:

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



$XYZ_w = 98.8314, 100.0, 123.0$

$a^* = 500 (a' - a'_n) Y^{1/3}$

$b^* = 500 (b' - b'_n) Y^{1/3}$

$a' = a_{20} [x/y]^{1/3}$

$b' = b_{20} [z/y]^{1/3}$

$a_{20} = [1/X_{D65}]^{1/3} = 0.2191$

$b_2 = -[1/Z_{D65}]^{1/3} = -0.08377$

$n = Q00$

CIELAB_D65; Q00

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

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

