

$XYZ_w=95.0443, 100.0, 108.89$ 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});

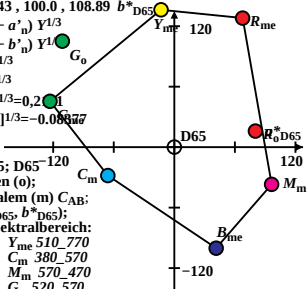
Name und Spektralbereich:

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}

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

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

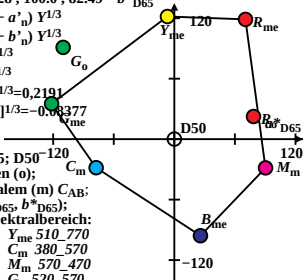
$a' = a_{20} [x/y]^{1/3}$

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

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

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

$n = D50$



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});

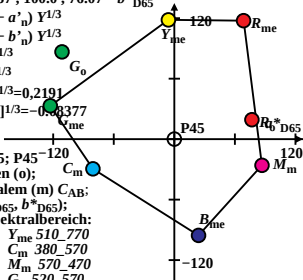
Name und Spektralbereich:

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



$XYZ_w = 109.849, 100.0, 35.58$ b^*_{D65}

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

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

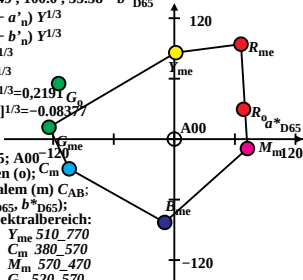
$a' = a_{20} [x/y]^{1/3}$

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

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

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

$n = A00$



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 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

$XYZ_w = 100.001, 100.0, 100.0$ 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});

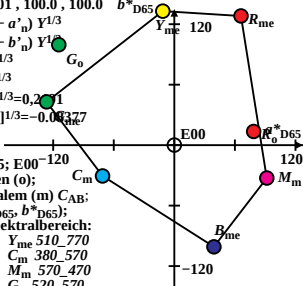
Name und Spektralbereich:

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}

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

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

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

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

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

$b_{20} = -[1/Z_{D65}]^{1/3} = -0,08905$

$n = C00$

CIELAB_D65; C00-120

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

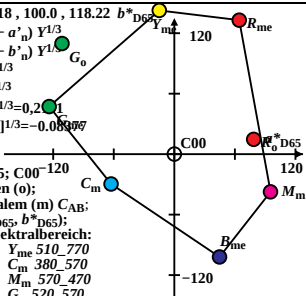
Name und Spektralbereich:

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}

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

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

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

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

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

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

$n = P00$

CIELAB_D65; P00⁻¹²⁰

Optimalfarben (o);

6 von maximalem (m) C_{AB} ;

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

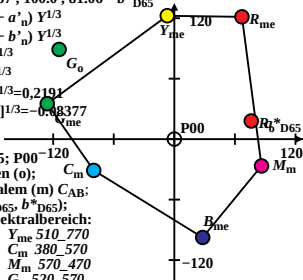
Name und Spektralbereich:

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

