

Basic television colour or mixture colour for D65 CIE data for $Y_W=100$	TUBLAB <sub>2</sub> data $YA_2B_2C_{AB2}h_{AB2}$ ( $Y_d=100,0$ for white; $Y_d=0,0$ for black, $B_c=0,8$ )				
	$Y_d$	$A_{2d}$	$B_{2d}$	$C_{AB2,d}$	$h_{AB2,d}$
<i>three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
$C_d$ Cyan (Cyan blue)	78,74	-52,62	-16,98	55,30	197
$M_d$ Magenta (magenta red)	28,48	53,52	-52,78	75,17	315
$Y_d$ Yellow	92,78	-0,92	69,75	69,75	90
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
$R_d$ Red (orange red)	21,26	52,61	16,97	55,28	17
$G_d$ Green (leaf green)	71,52	-53,54	52,77	75,17	135
$B_d$ Blue (violet blue)	7,22	0,91	-69,76	69,76	270
achromatic colours with different normalization: $C_{AB2,d} = [A_{2d}^2 + B_{2d}^2]^{1/2}$ ; $h_{AB2,d} = \text{atan}[B_{2d} / A_{2d}]$ compare CIE 230:2019					
$W_0$ (white monitor, 100%)	100,00	0,00	0,00	0,00	0
$W_1$ (white monitor, 90,0%)	90,00	0,00	0,00	0,00	0
$N_1$ (black monitor, 2,5%)	3,60	0,00	0,00	0,00	0
$N_0$ (black monitor, 0,00%)	0,00	0,00	0,00	0,00	0

eev70-3n

Basic television colour or mixture colour for D65 CIE data for $Y_W=90,0$	TUBLAB <sub>2</sub> data $YA_2B_2C_{AB2}h_{AB2}$ ( $Y_d=90,0$ for white; $Y_d=2,5$ for black, $B_c=0,8$ )				
	$Y_d$	$A_{2d}$	$B_{2d}$	$C_{AB2,d}$	$h_{AB2,d}$
<i>three additive mixture colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
$C_d$ Cyan (Cyan blue)	70,86	-47,36	-15,28	49,77	197
$M_d$ Magenta (magenta red)	25,63	48,17	-47,50	67,65	315
$Y_d$ Yellow	83,50	-0,83	62,77	62,78	90
<i>three additive basic colours of ITU-R BT.709.3, sRGB, IEC 61966-2-1</i>					
$R_d$ Red (orange red)	19,13	47,35	15,27	49,75	17
$G_d$ Green (leaf green)	64,36	-48,18	47,49	67,66	135
$B_d$ Blue (violet blue)	6,49	0,82	-62,78	62,78	270
achromatic colours with different normalization: $C_{AB2,d} = [A_{2d}^2 + B_{2d}^2]^{1/2}$ ; $h_{AB2,d} = \text{atan}[B_{2d} / A_{2d}]$ compare CIE 230:2019					
$W_0$ (white monitor, 100%)	100,00	0,00	0,00	0,00	0
$W_1$ (white monitor, 90,0%)	90,00	0,00	0,00	0,00	0
$N_1$ (black monitor, 2,5%)	3,60	0,00	0,00	0,00	0
$N_0$ (black monitor, 0,00%)	0,00	0,00	0,00	0,00	0

eev71-3n

Basic television colour or mixture colour for D65 CIE data for $Y_W=100$	TUBLAB <sub>2</sub> data $YA_2B_2C_{AB2}h_{AB2}$ ( $Y_d=100,0$ for white; $Y_d=0,0$ for black, $B_c=0,8$ )				
	$Y_d$	$A_{2d}$	$B_{2d}$	$C_{AB2,d}$	$h_{AB2,d}$
<i>three additive mixture colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
$C_d$ Cyan (Cyan blue)	73,72	-94,03	-22,88	96,78	193
$M_d$ Magenta (magenta red)	32,20	91,66	-56,82	107,85	328
$Y_d$ Yellow	94,06	2,36	79,71	79,74	88
<i>three additive basic colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
$R_d$ Red (orange red)	26,26	94,03	22,88	96,78	13
$G_d$ Green (leaf green)	67,79	-91,67	56,82	107,85	148
$B_d$ Blue (violet blue)	5,93	-2,36	-79,70	79,74	268
achromatic colours with different normalization: $C_{AB2,d} = [A_{2d}^2 + B_{2d}^2]^{1/2}$ ; $h_{AB2,d} = \text{atan}[B_{2d} / A_{2d}]$ compare CIE 230:2019					
$W_0$ (white monitor, 100%)	100,00	0,00	0,00	0,00	0
$W_1$ (white monitor, 90,0%)	90,00	0,00	0,00	0,00	0
$N_1$ (black monitor, 2,5%)	3,60	0,00	0,00	0,00	0
$N_0$ (black monitor, 0,00%)	0,00	0,00	0,00	0,00	0

eev70-7n

Basic television colour or mixture colour for D65 CIE data for $Y_W=90,0$	TUBLAB <sub>2</sub> data $YA_2B_2C_{AB2}h_{AB2}$ ( $Y_d=90,0$ for white; $Y_d=2,5$ for black, $B_c=0,8$ )				
	$Y_d$	$A_{2d}$	$B_{2d}$	$C_{AB2,d}$	$h_{AB2,d}$
<i>three additive mixture colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
$C_d$ Cyan (Cyan blue)	66,35	-84,63	-20,59	87,10	193
$M_d$ Magenta (magenta red)	28,97	82,50	-51,14	97,06	328
$Y_d$ Yellow	84,66	2,12	71,74	71,77	88
<i>three additive basic colours of ITU-R BT.2020-2 &amp; ISO 22028-5: Wide Colour Gamut</i>					
$R_d$ Red (orange red)	23,64	84,63	20,59	87,10	13
$G_d$ Green (leaf green)	61,01	-82,50	51,14	97,06	148
$B_d$ Blue (violet blue)	5,33	-2,12	-71,73	71,77	268
achromatic colours with different normalization: $C_{AB2,d} = [A_{2d}^2 + B_{2d}^2]^{1/2}$ ; $h_{AB2,d} = \text{atan}[B_{2d} / A_{2d}]$ compare CIE 230:2019					
$W_0$ (white monitor, 100%)	100,00	0,00	0,00	0,00	0
$W_1$ (white monitor, 90,0%)	90,00	0,00	0,00	0,00	0
$N_1$ (black monitor, 2,5%)	3,60	0,00	0,00	0,00	0
$N_0$ (black monitor, 0,00%)	0,00	0,00	0,00	0,00	0

eev71-7n

TUB-test chart eev7; Display systems sRGB according to IEC 61966-2-1 and WCGa according to ISO 22028-5, CIE data of 3 basic and 3 mixture colours, TUBLAB<sub>2</sub>,  $Y_W=100$  (left) and 90 (right)

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 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

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 application for evaluation and measurement of display or print output  
 TUB material: code=rh4ta