

Input and output:

Colorimetric Offset Reflective System ORS20_95a

data for any colour:

u^* and number no. = 00 .. 15

elementary hue text according to CIE R1-47:2009

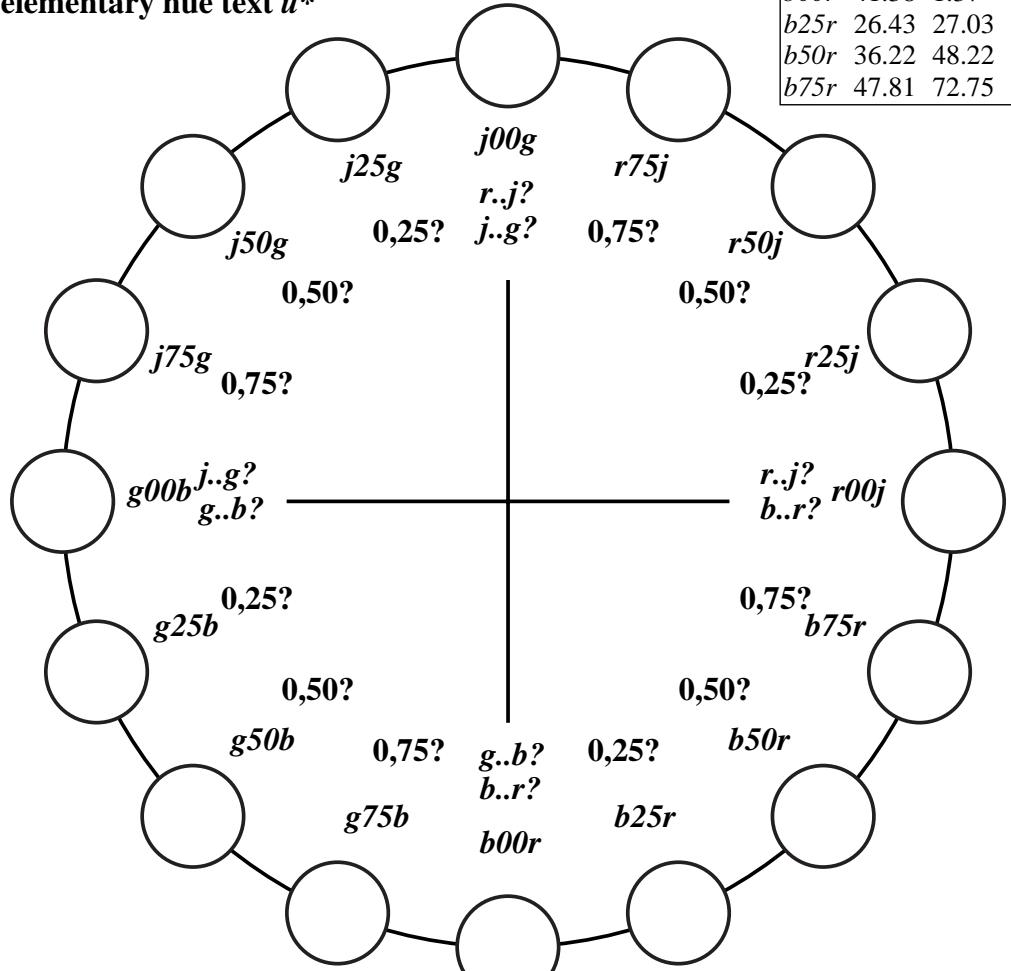
u^* 16 hues $r00j, r25j, \dots, b75r$

Experimental evaluation of the relative whiteness w^*

and of the relative blackness n^* of the 16

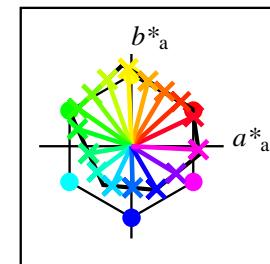
RECS colour samples. Comparison with the achromatic colours White W and Black N

elementary hue text u^*



ORS20_95a; adapted (a) CIELAB data

	u^*	$L^*=L^*_{ab}$	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	d^*
$r00j$	47.06	67.41	32.12	74.67	25	<i>m84o</i>	
$r25j$	53.95	53.38	48.38	72.04	42	<i>o17y</i>	
$r50j$	63.6	35.87	59.45	69.43	59	<i>o42y</i>	
$r75j$	73.37	18.14	70.66	72.95	76	<i>o68y</i>	
$j00g$	85.24	-3.4	84.28	84.35	92	<i>o93y</i>	
$j25g$	78.53	-25.99	72.23	76.76	110	<i>y24l</i>	
$j50g$	68.25	-42.61	56.0	70.37	127	<i>y55l</i>	
$j75g$	58.73	-57.99	40.99	71.02	145	<i>y85l</i>	
$g00b$	55.66	-58.35	18.71	61.27	162	<i>l12c</i>	
$g25b$	58.18	-46.2	-7.82	46.86	190	<i>l45c</i>	
$g50b$	60.08	-37.02	-27.87	46.34	217	<i>l78c</i>	
$g75b$	55.21	-20.63	-42.98	47.67	244	<i>c16v</i>	
$b00r$	41.38	1.37	-45.05	45.07	272	<i>c58v</i>	
$b25r$	26.43	27.03	-46.5	53.78	300	<i>v03m</i>	
$b50r$	36.22	48.22	-29.42	56.48	329	<i>v54m</i>	
$b75r$	47.81	72.75	-3.76	72.85	357	<i>m10o</i>	



ORS20_95a; adapted (a) CIELAB data

Name	$L^*=L^*_{ab}$	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	46.89	66.19	40.28	77.48	31	
Y _{Ma}	88.66	-9.62	88.21	88.73	96	
L _{Ma}	54.22	-65.29	33.87	73.56	153	
C _{Ma}	61.43	-30.53	-42.04	51.96	234	
V _{Ma}	25.93	25.95	-47.37	54.01	299	
M _{Ma}	47.92	73.53	-9.02	74.08	353	
N _{Ma}	20.41	0.0	0.0	0.0	0	
W _{Ma}	94.64	0.0	0.0	0.0	0	
R _{CIE}	39.92	58.74	27.99	65.07	25	
J _{CIE}	81.26	-2.89	71.56	71.62	92	
G _{CIE}	52.23	-42.42	13.6	44.55	162	
B _{CIE}	30.57	1.41	-46.47	46.49	272	

Evaluation of (mark only one of three possibilities):

relative blackness n^* and relative whiteness w^*

relative blackness n^* and relative chroma c^*

relative whiteness w^* and relative chroma c^*

example mark

Ostwald equation: $n^* + w^* + c^* = 1$

