

## Colour stimuli of just noticeable colour thresholds ( $p=50\%$ ) in WN direction

number Colour series	CIELAB differences lightness, chroma, $\Sigma$				LABJND differences lightness, chroma, $\Sigma$				colour differences other formulae			notes experimental series	
	$\Delta L^*$	$\Delta a^*$	$\Delta b^*$	$\Delta E^*$	$\Delta L^*$	$\Delta a^*$	$\Delta b^*$	$\Delta E^*$	CMC	C94	C00		
0 <i>WPN</i>	0.29	0.0	0.0	0.29	1.13	0.0	0.0	1.13	0.14	0.29	0.13	_WN, GR, BY grey surround CIE data no. 03 with white border	
1 <i>WPN</i>	0.19	0.0	0.0	0.19	1.0	0.0	0.0	1.0	0.1	0.19	0.12		
2 <i>WPN</i>	0.14	0.0	0.0	0.14	0.91	0.0	0.0	0.91	0.09	0.14	0.11		
3 <i>WPN</i>	0.12	0.0	0.0	0.12	0.9	0.0	0.0	0.9	0.09	0.12	0.12		
4 <i>WPN</i>	0.15	-0.01	-0.01	0.15	1.25	-0.03	-0.02	1.25	0.14	0.15	0.12		
5 <i>WPN</i>	0.15	-0.02	-0.03	0.15	1.27	-0.04	-0.04	1.27	0.19	0.15	0.11		
6 <i>WPN</i>	0.19	0.0	0.02	0.19	1.55	0.0	0.04	1.55	0.28	0.19	0.13		
7 <i>GDR</i>	0.09	0.46	0.03	0.47	0.74	0.21	0.12	0.78	0.16	0.13	0.13	_WN, GR, BY grey surround CIE data no. 09 with white border	
8 <i>GDR</i>	0.09	0.11	0.01	0.14	0.71	0.12	0.04	0.72	0.09	0.1	0.1		
9 <i>GDR</i>	0.08	0.0	0.0	0.08	0.68	0.0	0.0	0.68	0.07	0.08	0.08		
10 <i>GDR</i>	0.1	-0.17	0.04	0.2	0.76	-0.27	0.16	0.82	0.09	0.1	0.1		
11 <i>GDR</i>	0.11	-0.25	0.06	0.28	0.84	-0.35	0.25	0.95	0.11	0.12	0.12		
12 <i>BDY</i>	0.08	0.0	0.03	0.09	0.65	0.0	0.17	0.67	0.07	0.08	0.08	_WN, GR, BY grey surround CIE data no. 14 with white border	
13 <i>BDY</i>	0.07	0.0	0.01	0.07	0.56	0.0	0.07	0.56	0.06	0.07	0.07		
14 <i>BDY</i>	0.07	0.0	0.0	0.07	0.59	0.0	0.0	0.59	0.06	0.07	0.07		
15 <i>BDY</i>	0.07	-0.01	-0.17	0.19	0.55	-0.03	-0.16	0.57	0.09	0.09	0.09		
16 <i>BDY</i>	0.07	-0.01	-0.8	0.8	0.53	-0.02	-0.18	0.56	0.27	0.2	0.2		
<b>mean</b>				<b>0.21</b>					<b>0.88</b>	<b>0.12</b>	<b>0.13</b>	<b>0.11</b>	
<b>standard deviation</b>				<b>0.17</b>					<b>0.27</b>	<b>0.06</b>	<b>0.05</b>	<b>0.02</b>	

Source: BAM Research Report no. 115 (1985), Tables 5.40;1 to 11; LABJND0,8; 1,4; 1,1