Equality of 5 step colour series by two definitions (Yes/No decision)
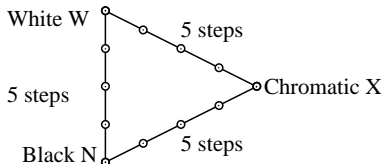
Layout example: three 5 step colour series

There are three basic colours on each page:
Black N, White W and Chromatic X

Ten pages include 10 hue planes
X = OYLCVM and RJGB

Any colour is defined by two different
PS-operators in center and surround field

White W

5 steps

Chromatic X

5 steps

5 steps

Black N

All colours of the three series N–W, W–X and X–N should equal on **all** pages
Are the center and surround field colours equal on all pages?   underline: Yes/No
only if No:

     How many of the 3x4=12 steps are equal?
     Page 1: equal are out of 12 steps: .... steps of O = Orange Red
     Page 2: equal are out of 12 steps: .... steps of Y = Yellow
     Page 3: equal are out of 12 steps: .... steps of L = Leaf Green
     Page 4: equal are out of 12 steps: .... steps of C = Cyan Blue
     Page 5: equal are out of 12 steps: .... steps of V = Violet Blue
     Page 6: equal are out of 12 steps: .... steps of M = Magenta Red
     Page 7: equal are out of 12 steps: .... steps of R = Elementary Red
     Page 8: equal are out of 12 steps: .... steps of J = Elementary Yellow
     Page 9: equal are out of 12 steps: .... steps of G = Elementary Green
     Page 10: equal are out of 12 steps: .... steps of B = Elementary Blue
_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	**Start output S1**
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	**Specification according to**
2	6.36	0.0	0.0	0.07	6.36	0.0	0.0	0.0	0.0	0.0	0.01	**ISO/IEC 15775 Annex G**
3	12.72	0.0	0.0	0.13	12.72	0.0	0.0	0.0	0.0	0.0	0.01	**and DIN 33866-1 Annex G**
4	19.08	0.0	0.0	0.2	19.08	0.0	0.0	0.0	0.0	0.0	0.01	
5	25.44	0.0	0.0	0.27	25.44	0.0	0.0	0.0	0.0	0.0	0.01	
6	31.8	0.0	0.0	0.33	31.8	0.0	0.0	0.0	0.0	0.0	0.01	
7	38.16	0.0	0.0	0.4	38.16	0.0	0.0	0.0	0.0	0.0	0.01	
8	44.52	0.0	0.0	0.47	44.52	0.0	0.0	0.0	0.0	0.0	0.01	
9	50.89	0.0	0.0	0.53	50.89	0.0	0.0	0.0	0.0	0.0	0.01	
10	57.25	0.0	0.0	0.6	57.25	0.0	0.0	0.0	0.0	0.0	0.01	
11	63.61	0.0	0.0	0.67	63.61	0.0	0.0	0.0	0.0	0.0	0.01	
12	69.97	0.0	0.0	0.73	69.97	0.0	0.0	0.0	0.0	0.0	0.01	
13	76.33	0.0	0.0	0.8	76.33	0.0	0.0	0.0	0.0	0.0	0.01	
14	82.69	0.0	0.0	0.87	82.69	0.0	0.0	0.0	0.0	0.0	0.01	
15	89.05	0.0	0.0	0.93	89.05	0.0	0.0	0.0	0.0	0.0	0.01	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{CIELAB} =$ 0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	
18	23.85	0.0	0.0	0.25	23.85	0.0	0.0	0.0	0.0	0.0	0.01	
19	47.71	0.0	0.0	0.5	47.71	0.0	0.0	0.0	0.0	0.0	0.01	
20	71.56	0.0	0.0	0.75	71.56	0.0	0.0	0.0	0.0	0.0	0.01	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{CIELAB} =$ 0.0

Mean colour reproduction index: $R^*_{ab,m} =$ **100**

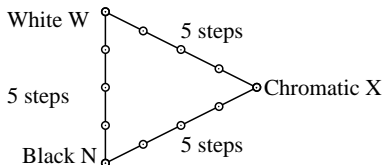OE850−3A-130-11: File: Measure unknown; Device: Device unknown; Date: Date unknown

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series

There are three basic colours on each page:
Black N, White W and Chromatic X

Ten pages include 10 hue planes
X = OYLCVM and RJGB

Any colour is defined by two different
PS-operators in center and surround field

All colours of the three series N–W, W–X and X–N should equal on **all** pages
Are the center and surround field colours equal on all pages?   underline: Yes/No
only if No:

How many of the 3x4=12 steps are equal?
Page 1: equal are out of 12 steps: .... steps of O = Orange Red
Page 2: equal are out of 12 steps: .... steps of Y = Yellow
Page 3: equal are out of 12 steps: .... steps of L = Leaf Green
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Page 5: equal are out of 12 steps: .... steps of V = Violet Blue
Page 6: equal are out of 12 steps: .... steps of M = Magenta Red
Page 7: equal are out of 12 steps: .... steps of R = Elementary Red
Page 8: equal are out of 12 steps: .... steps of J = Elementary Yellow
Page 9: equal are out of 12 steps: .... steps of G = Elementary Green
Page 10: equal are out of 12 steps: .... steps of B = Elementary Blue
––
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	
1	5.69	0.0	0.0	0.0	5.69	0.0	0.0	0.0	0.0	0.0	0.01	**Start output S1**
2	11.67	0.0	0.0	0.1	14.73	0.0	0.0	3.06	0.0	0.0	3.06	**Specification according to**
3	17.65	0.0	0.0	0.18	21.96	0.0	0.0	4.3	0.0	0.0	4.3	**ISO/IEC 15775 Annex G**
4	23.63	0.0	0.0	0.26	28.63	0.0	0.0	4.99	0.0	0.0	4.99	**and DIN 33866-1 Annex G**
5	29.62	0.0	0.0	0.33	34.96	0.0	0.0	5.34	0.0	0.0	5.34	
6	35.6	0.0	0.0	0.39	41.05	0.0	0.0	5.46	0.0	0.0	5.46	
7	41.58	0.0	0.0	0.46	46.96	0.0	0.0	5.38	0.0	0.0	5.38	
8	47.56	0.0	0.0	0.52	52.72	0.0	0.0	5.16	0.0	0.0	5.16	
9	53.54	0.0	0.0	0.59	58.36	0.0	0.0	4.82	0.0	0.0	4.82	
10	59.52	0.0	0.0	0.65	63.88	0.0	0.0	4.36	0.0	0.0	4.36	
11	65.5	0.0	0.0	0.71	69.32	0.0	0.0	3.82	0.0	0.0	3.82	
12	71.48	0.0	0.0	0.77	74.67	0.0	0.0	3.19	0.0	0.0	3.19	
13	77.47	0.0	0.0	0.83	79.95	0.0	0.0	2.49	0.0	0.0	2.49	
14	83.45	0.0	0.0	0.89	85.16	0.0	0.0	1.72	0.0	0.0	1.72	
15	89.43	0.0	0.0	0.94	90.31	0.0	0.0	0.89	0.0	0.0	0.89	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{CIELAB} =$ **3.4**
17	5.69	0.0	0.0	0.0	5.69	0.0	0.0	0.0	0.0	0.0	0.01	
18	28.12	0.0	0.0	0.31	33.4	0.0	0.0	5.28	0.0	0.0	5.28	
19	50.55	0.0	0.0	0.56	55.55	0.0	0.0	5.0	0.0	0.0	5.0	
20	72.98	0.0	0.0	0.78	76.0	0.0	0.0	3.02	0.0	0.0	3.02	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{CIELAB} =$ **2.7**

Mean colour reproduction index: $R^*_{ab,m} =$ **85**

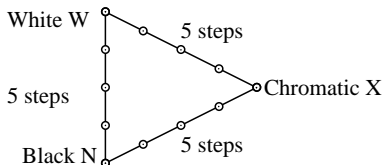OE850−3A-131-11: File: Measure unknown; Device: Device unknown; Date: Date unknown

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series

There are three basic colours on each page:
Black N, White W and Chromatic X

Ten pages include 10 hue planes
X = OYLCVM and RJGB

Any colour is defined by two different
PS-operators in center and surround field

White W

5 steps

Chromatic X

5 steps

Black N   5 steps

All colours of the three series N–W, W–X and X–N should equal on **all** pages

Are the center and surround field colours equal on all pages?   underline: Yes/No

only if No:

How many of the 3x4=12 steps are equal?

Page 1: equal are out of 12 steps: .... steps of O = Orange Red
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Page 5: equal are out of 12 steps: .... steps of V = Violet Blue
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Page 7: equal are out of 12 steps: .... steps of R = Elementary Red
Page 8: equal are out of 12 steps: .... steps of J = Elementary Yellow
Page 9: equal are out of 12 steps: .... steps of G = Elementary Green
Page 10: equal are out of 12 steps: .... steps of B = Elementary Blue
_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

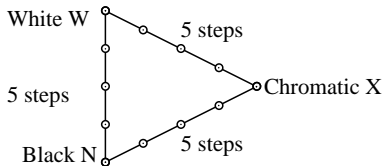| i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	
1	10.99	0.0	0.0	0.0	10.99	0.0	0.0	0.0	0.0	0.0	0.01	**Start output S1**
2	16.62	0.0	0.0	0.14	22.52	0.0	0.0	5.9	0.0	0.0	5.9	**Specification according to**
3	22.25	0.0	0.0	0.23	30.18	0.0	0.0	7.93	0.0	0.0	7.93	**ISO/IEC 15775 Annex G**
4	27.88	0.0	0.0	0.31	36.84	0.0	0.0	8.97	0.0	0.0	8.97	**and DIN 33866-1 Annex G**
5	33.5	0.0	0.0	0.38	42.93	0.0	0.0	9.43	0.0	0.0	9.43	
6	39.13	0.0	0.0	0.45	48.63	0.0	0.0	9.5	0.0	0.0	9.5	
7	44.76	0.0	0.0	0.51	54.03	0.0	0.0	9.27	0.0	0.0	9.27	
8	50.39	0.0	0.0	0.57	59.19	0.0	0.0	8.81	0.0	0.0	8.81	
9	56.02	0.0	0.0	0.63	64.17	0.0	0.0	8.15	0.0	0.0	8.15	
10	61.64	0.0	0.0	0.69	68.98	0.0	0.0	7.33	0.0	0.0	7.33	
11	67.27	0.0	0.0	0.74	73.65	0.0	0.0	6.38	0.0	0.0	6.38	
12	72.9	0.0	0.0	0.8	78.2	0.0	0.0	5.3	0.0	0.0	5.3	
13	78.53	0.0	0.0	0.85	82.64	0.0	0.0	4.11	0.0	0.0	4.11	
14	84.15	0.0	0.0	0.9	86.98	0.0	0.0	2.82	0.0	0.0	2.82	
15	89.78	0.0	0.0	0.95	91.23	0.0	0.0	1.45	0.0	0.0	1.45	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{\text{CIELAB}} =$ 6.0
17	10.99	0.0	0.0	0.0	10.99	0.0	0.0	0.0	0.0	0.0	0.01	
18	32.1	0.0	0.0	0.36	41.45	0.0	0.0	9.36	0.0	0.0	9.36	
19	53.2	0.0	0.0	0.6	61.7	0.0	0.0	8.5	0.0	0.0	8.5	
20	74.31	0.0	0.0	0.81	79.32	0.0	0.0	5.01	0.0	0.0	5.01	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{\text{CIELAB}} =$ 4.6

Mean colour reproduction index: $R^*_{\text{ab,m}} =$ 74

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series

White W

5 steps

5 steps

Chromatic X

Black N

5 steps

There are three basic colours on each page:
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Ten pages include 10 hue planes
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All colours of the three series N–W, W–X and X–N should equal on **all** pages
Are the center and surround field colours equal on all pages?   underline: Yes/No
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How many of the 3x4=12 steps are equal?

Page 1: equal are out of 12 steps: .... steps of O = Orange Red
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_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	**Start output S1**
1	18.01	0.0	0.0	0.0	18.01	0.0	0.0	0.0	0.0	0.0	0.01	**Specification according to**
2	23.17	0.0	0.0	0.17	31.35	0.0	0.0	8.18	0.0	0.0	8.18	**ISO/IEC 15775 Annex G**
3	28.33	0.0	0.0	0.27	38.93	0.0	0.0	10.6	0.0	0.0	10.6	**and DIN 33866-1 Annex G**
4	33.49	0.0	0.0	0.35	45.23	0.0	0.0	11.74	0.0	0.0	11.74	
5	38.65	0.0	0.0	0.42	50.82	0.0	0.0	12.17	0.0	0.0	12.17	
6	43.81	0.0	0.0	0.49	55.93	0.0	0.0	12.12	0.0	0.0	12.12	
7	48.97	0.0	0.0	0.55	60.7	0.0	0.0	11.73	0.0	0.0	11.73	
8	54.13	0.0	0.0	0.61	65.2	0.0	0.0	11.07	0.0	0.0	11.07	
9	59.29	0.0	0.0	0.66	69.47	0.0	0.0	10.18	0.0	0.0	10.18	
10	64.45	0.0	0.0	0.72	73.56	0.0	0.0	9.11	0.0	0.0	9.11	
11	69.61	0.0	0.0	0.77	77.49	0.0	0.0	7.88	0.0	0.0	7.88	
12	74.77	0.0	0.0	0.82	81.29	0.0	0.0	6.52	0.0	0.0	6.52	
13	79.93	0.0	0.0	0.87	84.97	0.0	0.0	5.04	0.0	0.0	5.04	
14	85.09	0.0	0.0	0.91	88.54	0.0	0.0	3.45	0.0	0.0	3.45	
15	90.25	0.0	0.0	0.96	92.02	0.0	0.0	1.77	0.0	0.0	1.77	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{CIELAB} = $ **7.6**
17	18.01	0.0	0.0	0.0	18.01	0.0	0.0	0.0	0.0	0.0	0.01	
18	37.36	0.0	0.0	0.41	49.47	0.0	0.0	12.11	0.0	0.0	12.11	
19	56.71	0.0	0.0	0.64	67.36	0.0	0.0	10.65	0.0	0.0	10.65	
20	76.06	0.0	0.0	0.83	82.22	0.0	0.0	6.16	0.0	0.0	6.16	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{CIELAB} = $ **5.8**
					Mean colour reproduction index:					$R^*_{ab,m} = $ **67**		

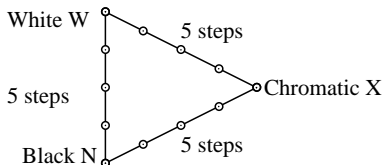OE850−3A-133-11: File: Measure unknown; Device: Device unknown; Date: Date unknown

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only if No:

    How many of the 3x4=12 steps are equal?
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    Page 10: equal are out of 12 steps: .... steps of B = Elementary Blue
_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	
1	26.85	0.0	0.0	0.0	26.85	0.0	0.0	0.0	0.0	0.0	0.01	**Start output S1**
2	31.42	0.0	0.0	0.21	41.05	0.0	0.0	9.63	0.0	0.0	9.63	**Specification according to**
3	35.99	0.0	0.0	0.31	48.1	0.0	0.0	12.11	0.0	0.0	12.11	**ISO/IEC 15775 Annex G**
4	40.56	0.0	0.0	0.39	53.75	0.0	0.0	13.18	0.0	0.0	13.18	**and DIN 33866-1 Annex G**
5	45.13	0.0	0.0	0.46	58.64	0.0	0.0	13.51	0.0	0.0	13.51	
6	49.7	0.0	0.0	0.53	63.05	0.0	0.0	13.34	0.0	0.0	13.34	
7	54.27	0.0	0.0	0.59	67.09	0.0	0.0	12.82	0.0	0.0	12.82	
8	58.84	0.0	0.0	0.64	70.87	0.0	0.0	12.02	0.0	0.0	12.02	
9	63.41	0.0	0.0	0.69	74.42	0.0	0.0	11.01	0.0	0.0	11.01	
10	67.99	0.0	0.0	0.74	77.79	0.0	0.0	9.81	0.0	0.0	9.81	
11	72.56	0.0	0.0	0.79	81.01	0.0	0.0	8.46	0.0	0.0	8.46	
12	77.13	0.0	0.0	0.84	84.1	0.0	0.0	6.97	0.0	0.0	6.97	
13	81.7	0.0	0.0	0.88	87.07	0.0	0.0	5.37	0.0	0.0	5.37	
14	86.27	0.0	0.0	0.92	89.94	0.0	0.0	3.67	0.0	0.0	3.67	
15	90.84	0.0	0.0	0.96	92.71	0.0	0.0	1.88	0.0	0.0	1.88	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{CIELAB} =$ **8.4**
17	26.85	0.0	0.0	0.0	26.85	0.0	0.0	0.0	0.0	0.0	0.01	
18	43.99	0.0	0.0	0.45	57.47	0.0	0.0	13.48	0.0	0.0	13.48	
19	61.13	0.0	0.0	0.67	72.67	0.0	0.0	11.54	0.0	0.0	11.54	
20	78.27	0.0	0.0	0.85	84.85	0.0	0.0	6.58	0.0	0.0	6.58	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{CIELAB} =$ **6.3**

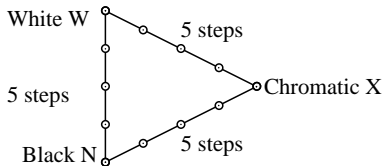**Mean colour reproduction index:** $R^*_{ab,m} =$ **64**

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series

There are three basic colours on each page:
Black N, White W and Chromatic X

Ten pages include 10 hue planes
X = OYLCVM and RJGB

Any colour is defined by two different
PS-operators in center and surround field

All colours of the three series N–W, W–X and X–N should equal on **all** pages

Are the center and surround field colours equal on all pages?   underline: Yes/No

only if No:

How many of the 3x4=12 steps are equal?

Page 1: equal are out of 12 steps: .... steps of O = Orange Red
Page 2: equal are out of 12 steps: .... steps of Y = Yellow
Page 3: equal are out of 12 steps: .... steps of L = Leaf Green
Page 4: equal are out of 12 steps: .... steps of C = Cyan Blue
Page 5: equal are out of 12 steps: .... steps of V = Violet Blue
Page 6: equal are out of 12 steps: .... steps of M = Magenta Red
Page 7: equal are out of 12 steps: .... steps of R = Elementary Red
Page 8: equal are out of 12 steps: .... steps of J = Elementary Yellow
Page 9: equal are out of 12 steps: .... steps of G = Elementary Green
Page 10: equal are out of 12 steps: .... steps of B = Elementary Blue
_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	
1	37.99	0.0	0.0	0.0	37.99	0.0	0.0	0.0	0.0	0.0	0.01	**Start output S1**
2	41.81	0.0	0.0	0.24	51.79	0.0	0.0	9.98	0.0	0.0	9.98	**Specification according to**
3	45.64	0.0	0.0	0.35	57.87	0.0	0.0	12.23	0.0	0.0	12.23	**ISO/IEC 15775 Annex G**
4	49.47	0.0	0.0	0.43	62.6	0.0	0.0	13.13	0.0	0.0	13.13	**and DIN 33866-1 Annex G**
5	53.3	0.0	0.0	0.5	66.63	0.0	0.0	13.33	0.0	0.0	13.33	
6	57.13	0.0	0.0	0.56	70.19	0.0	0.0	13.07	0.0	0.0	13.07	
7	60.96	0.0	0.0	0.62	73.44	0.0	0.0	12.48	0.0	0.0	12.48	
8	64.78	0.0	0.0	0.67	76.44	0.0	0.0	11.65	0.0	0.0	11.65	
9	68.61	0.0	0.0	0.72	79.23	0.0	0.0	10.62	0.0	0.0	10.62	
10	72.44	0.0	0.0	0.76	81.87	0.0	0.0	9.43	0.0	0.0	9.43	
11	76.27	0.0	0.0	0.81	84.37	0.0	0.0	8.11	0.0	0.0	8.11	
12	80.1	0.0	0.0	0.85	86.76	0.0	0.0	6.66	0.0	0.0	6.66	
13	83.93	0.0	0.0	0.89	89.05	0.0	0.0	5.12	0.0	0.0	5.12	
14	87.75	0.0	0.0	0.93	91.24	0.0	0.0	3.49	0.0	0.0	3.49	
15	91.58	0.0	0.0	0.96	93.36	0.0	0.0	1.78	0.0	0.0	1.78	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{CIELAB} =$ **8.2**
17	37.99	0.0	0.0	0.0	37.99	0.0	0.0	0.0	0.0	0.0	0.01	
18	52.34	0.0	0.0	0.48	65.67	0.0	0.0	13.33	0.0	0.0	13.33	
19	66.7	0.0	0.0	0.69	77.86	0.0	0.0	11.16	0.0	0.0	11.16	
20	81.05	0.0	0.0	0.86	87.34	0.0	0.0	6.29	0.0	0.0	6.29	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{CIELAB} =$ **6.2**

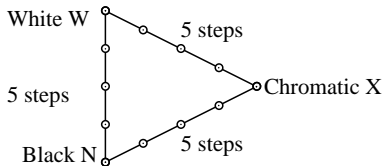**Mean colour reproduction index:**　　　　$R^*_{ab,m} =$ **65**

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series

There are three basic colours on each page:
Black N, White W and Chromatic X

Ten pages include 10 hue planes
X = OYLCVM and RJGB

Any colour is defined by two different
PS-operators in center and surround field

White W

5 steps

Chromatic X

5 steps

Black N

5 steps

All colours of the three series N–W, W–X and X–N should equal on **all** pages

Are the center and surround field colours equal on all pages?   underline: Yes/No

only if No:

How many of the 3x4=12 steps are equal?

Page 1: equal are out of 12 steps: .... steps of O = Orange Red
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Page 7: equal are out of 12 steps: .... steps of R = Elementary Red
Page 8: equal are out of 12 steps: .... steps of J = Elementary Yellow
Page 9: equal are out of 12 steps: .... steps of G = Elementary Green
Page 10: equal are out of 12 steps: .... steps of B = Elementary Blue
_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	**Start output S1**
1	52.02	0.0	0.0	0.0	52.02	0.0	0.0	0.0	0.0	0.0	0.01	**Specification according to**
2	54.91	0.0	0.0	0.27	63.82	0.0	0.0	8.91	0.0	0.0	8.91	**ISO/IEC 15775 Annex G**
3	57.8	0.0	0.0	0.38	68.49	0.0	0.0	10.69	0.0	0.0	10.69	**and DIN 33866-1 Annex G**
4	60.7	0.0	0.0	0.46	72.03	0.0	0.0	11.34	0.0	0.0	11.34	
5	63.59	0.0	0.0	0.53	75.0	0.0	0.0	11.41	0.0	0.0	11.41	
6	66.48	0.0	0.0	0.59	77.61	0.0	0.0	11.12	0.0	0.0	11.12	
7	69.37	0.0	0.0	0.64	79.95	0.0	0.0	10.57	0.0	0.0	10.57	
8	72.27	0.0	0.0	0.69	82.1	0.0	0.0	9.83	0.0	0.0	9.83	
9	75.16	0.0	0.0	0.74	84.09	0.0	0.0	8.93	0.0	0.0	8.93	
10	78.05	0.0	0.0	0.78	85.96	0.0	0.0	7.91	0.0	0.0	7.91	
11	80.95	0.0	0.0	0.82	87.72	0.0	0.0	6.78	0.0	0.0	6.78	
12	83.84	0.0	0.0	0.86	89.4	0.0	0.0	5.56	0.0	0.0	5.56	
13	86.73	0.0	0.0	0.9	91.0	0.0	0.0	4.26	0.0	0.0	4.26	
14	89.62	0.0	0.0	0.93	92.53	0.0	0.0	2.9	0.0	0.0	2.9	
15	92.52	0.0	0.0	0.97	93.99	0.0	0.0	1.48	0.0	0.0	1.48	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{\text{CIELAB}} =$ **7.0**
17	52.02	0.0	0.0	0.0	52.02	0.0	0.0	0.0	0.0	0.0	0.01	
18	62.87	0.0	0.0	0.51	74.3	0.0	0.0	11.43	0.0	0.0	11.43	
19	73.71	0.0	0.0	0.72	83.11	0.0	0.0	9.4	0.0	0.0	9.4	
20	84.56	0.0	0.0	0.87	89.81	0.0	0.0	5.24	0.0	0.0	5.24	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{\text{CIELAB}} =$ **5.2**
					Mean colour reproduction index:					$R^*_{\text{ab,m}} =$ **70**		

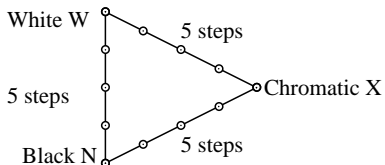OE850−3A-136-11: File: Measure unknown; Device: Device unknown; Date: Date unknown

Equality of 5 step colour series by two definitions (Yes/No decision)

Layout example: three 5 step colour series

There are three basic colours on each page:
Black N, White W and Chromatic X

Ten pages include 10 hue planes
X = OYLCVM and RJGB

Any colour is defined by two different
PS-operators in center and surround field

White W

5 steps

5 steps

Chromatic X

Black N

5 steps

All colours of the three series N–W, W–X and X–N should equal on **all** pages

Are the center and surround field colours equal on all pages?   underline: Yes/No

only if No:

How many of the 3x4=12 steps are equal?

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_____
Sum: Of the given 3x4x10=120 steps .... steps are equal

i	LAB*ref			l*out	LAB*out			LAB*out/c−ref			ΔE*	**Start output S1**
1	69.7	0.0	0.0	0.0	69.7	0.0	0.0	0.0	0.0	0.0	0.01	**Specification according to**
2	71.41	0.0	0.0	0.3	77.46	0.0	0.0	6.04	0.0	0.0	6.04	**ISO/IEC 15775 Annex G**
3	73.13	0.0	0.0	0.41	80.24	0.0	0.0	7.11	0.0	0.0	7.11	**and DIN 33866-1 Annex G**
4	74.84	0.0	0.0	0.49	82.31	0.0	0.0	7.47	0.0	0.0	7.47	
5	76.55	0.0	0.0	0.56	84.02	0.0	0.0	7.47	0.0	0.0	7.47	
6	78.27	0.0	0.0	0.62	85.51	0.0	0.0	7.24	0.0	0.0	7.24	
7	79.98	0.0	0.0	0.67	86.84	0.0	0.0	6.86	0.0	0.0	6.86	
8	81.7	0.0	0.0	0.71	88.05	0.0	0.0	6.35	0.0	0.0	6.35	
9	83.41	0.0	0.0	0.76	89.17	0.0	0.0	5.76	0.0	0.0	5.76	
10	85.12	0.0	0.0	0.8	90.21	0.0	0.0	5.08	0.0	0.0	5.08	
11	86.84	0.0	0.0	0.84	91.19	0.0	0.0	4.35	0.0	0.0	4.35	
12	88.55	0.0	0.0	0.87	92.11	0.0	0.0	3.56	0.0	0.0	3.56	
13	90.27	0.0	0.0	0.91	92.99	0.0	0.0	2.73	0.0	0.0	2.73	
14	91.98	0.0	0.0	0.94	93.83	0.0	0.0	1.85	0.0	0.0	1.85	
15	93.7	0.0	0.0	0.97	94.64	0.0	0.0	0.94	0.0	0.0	0.94	**Mean lightness difference (16 steps)**
16	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta E^*_{CIELAB} =$ 4.6
17	69.7	0.0	0.0	0.0	69.7	0.0	0.0	0.0	0.0	0.0	0.01	
18	76.13	0.0	0.0	0.54	83.62	0.0	0.0	7.5	0.0	0.0	7.5	
19	82.55	0.0	0.0	0.74	88.62	0.0	0.0	6.06	0.0	0.0	6.06	
20	88.98	0.0	0.0	0.88	92.34	0.0	0.0	3.35	0.0	0.0	3.35	**Mean lightness difference (5 steps)**
21	95.41	0.0	0.0	1.0	95.41	0.0	0.0	0.0	0.0	0.0	0.01	$\Delta L^*_{CIELAB} =$ 3.4
				Mean colour reproduction index:					$R^*_{ab,m} =$ 80			