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rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for photo printer

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Root R of the elementary hues RGB: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	34.1	61.4	29.2	68.0	25.4	1.00 0.00 0.00
g50/G	21.4	30.7	14.6	34.0	25.4	0.50 0.50 0.00
b50/B	63.4	30.7	14.6	34.0	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 8.6, 29.6, 50.6, 71.6, 92.6						
n000~N	8.7	0.0	0.0	1.2	0.00 0.00 0.00	
n025~V	29.6	-0.3	-7.1	266.8	0.25 0.25 0.25	
n050~W	50.7	-2.8	-5.4	61.2	0.50 0.50 0.50	
n075~Y	71.7	-1.8	-5.0	253.0	0.75 0.75 0.75	
n100~W	92.6	0.0	0.0	220.9	1.00 1.00 1.00	

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for photo printer

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
16 step elementary hue circle RGB: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	34.1	61.4	29.2	68.0	25.4	1.00 0.00 0.00
r25/R	39.9	54.2	49.2	73.2	25.4	0.87 0.00 0.00
r50/R	52.8	38.2	63.2	73.9	58.8	1.00 0.50 0.00
r75/R	65.4	20.5	79.9	82.5	75.5	1.00 0.75 0.00
5 step equidistant grey scale: L* = 8.6, 29.6, 50.6, 71.6, 92.6						
n000~N	8.7	0.0	0.0	1.2	0.00 0.00 0.00	
n025~V	29.6	-0.3	-7.1	266.8	0.25 0.25 0.25	
n050~W	50.7	-2.8	-5.4	61.2	0.50 0.50 0.50	
n075~Y	71.7	-1.8	-5.0	253.0	0.75 0.75 0.75	
n100~W	92.6	0.0	0.0	220.9	1.00 1.00 1.00	

Interpretation rgb -> ol* and CIELAB data for photo printer, printer separation ol*

48 step device hue circle with six device hues OYLCCVM: h_{RGB} = 34.9, 92.5, 143.1, 226.7, 311.9, 337.2

4 elementary hues **R/G/B**: h_{RGB} = 25.4, 92.3, 162.2, 271.7

Code	L*	a*	b*	C*	h _{ab}	rgb -> ol*
ol00/O	34.5	59.5	41.6	72.6	34.9	1.00 0.00 0.00
ol20/O	42.3	52.0	50.4	72.5	44.1	1.00 0.12 0.00
ol40/O	50.6	41.2	60.3	72.3	55.7	1.00 0.25 0.00
ol60/O	58.4	30.4	70.3	76.6	66.5	1.00 0.37 0.00
ol80/O	64.6	19.1	81.3	76.7	76.7	1.00 0.50 0.00
ol92/O	73.3	9.8	90.7	91.3	83.8	1.00 0.62 0.00
ol99/O	79.3	1.9	99.2	99.2	88.8	1.00 0.75 0.00
ol99/O	84.1	-4.5	106.4	106.5	92.4	1.00 0.87 0.00

Interpretation rgb -> ol* and CIELAB data for photo printer, printer separation ol*

48 step device hue circle with six device hues OYLCCVM: h_{RGB} = 34.9, 92.5, 143.1, 226.7, 311.9, 337.2

4 elementary hues **R/G/B**: h_{RGB} = 25.4, 92.3, 162.2, 271.7

Code	L*	a*	b*	C*	h _{ab}	rgb -> ol*
ol00/O	36.9	78.4	-32.8	85.0	337.2	1.00 0.00 1.00
ol20/O	36.9	78.3	-32.8	84.8	337.1	1.00 0.00 0.87
ol40/O	36.9	77.0	-29.8	82.6	338.8	1.00 0.00 0.75
ol60/O	36.6	74.4	-24.2	78.3	340.0	1.00 0.00 0.62
ol80/O	36.2	71.2	-18.0	71.0	347.4	1.00 0.00 0.50
ol92/O	35.8	68.1	-6.4	64.8	354.6	1.00 0.00 0.37
ol99/O	35.5	65.2	4.5	65.4	359.0	1.00 0.00 0.25
ol99/O	35.0	62.5	17.9	65.0	364.0	1.00 0.00 0.12

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display Lr=0%

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Root R of the elementary hues RGB: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	50.9	78.1	37.1	86.4	25.4	1.00 0.00 0.00
g50/G	25.4	39.0	18.5	43.2	25.4	0.50 0.00 0.00
b50/B	73.1	39.0	18.5	43.2	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 0.0, 23.8, 47.7, 71.5, 95.4						
n000~N	0.0	0.0	0.0	0.0	0.00 0.00 0.00	
n025~V	23.8	0.0	0.0	325.3	0.25 0.25 0.25	
n050~W	47.7	0.0	0.0	325.1	0.50 0.50 0.50	
n075~Y	71.4	0.0	0.0	325.1	0.75 0.75 0.75	
n100~W	95.4	0.0	0.0	0.0	1.00 1.00 1.00	

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display Lr=0%

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
16 step elementary hue circle with six device hues: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	50.9	78.1	37.1	86.4	25.4	1.00 0.00 0.00
r25/R	52.2	71.9	65.2	97.1	42.1	1.00 0.25 0.00
r50/R	61.3	42.7	70.7	82.6	58.8	1.00 0.50 0.00
r75/R	72.7	19.7	76.7	79.2	75.5	1.00 0.75 0.00
5 step equidistant grey scale: L* = 0.0, 23.8, 47.7, 71.5, 95.4						
n000~N	0.0	0.0	0.0	0.0	0.00 0.00 0.00	
n025~V	23.8	0.0	0.0	325.3	0.25 0.25 0.25	
n050~W	47.7	0.0	0.0	325.1	0.50 0.50 0.50	
n075~Y	71.4	0.0	0.0	325.1	0.75 0.75 0.75	
n100~W	95.4	0.0	0.0	0.0	1.00 1.00 1.00	

Interpretation rgb -> ol* and CIELAB data for a sRGB display with the luminance reflection Lr=0%

48 step device hue circle with six device hues OYLCCVM: h_{RGB} = 40.0, 102.8, 136.0, 196.3, 306.2, 328.2

4 elementary hues **R/G/B**: h_{RGB} = 25.4, 92.3, 162.2, 271.7

Code	L*	a*	b*	C*	h _{ab}	rgb -> ol*
ol00/O	50.4	76.9	64.5	100.4	40.0	1.00 0.00 0.00
ol20/O	51.5	73.9	64.9	98.3	41.3	1.00 0.12 0.00
ol40/O	54.6	66.7	65.3	93.8	44.6	1.00 0.25 0.00
ol60/O	58.2	55.4	67.9	87.7	50.7	1.00 0.37 0.00
ol80/O	63.6	41.3	71.0	82.2	59.7	1.00 0.50 0.00
ol92/O	70.1	25.7	75.0	79.3	71.0	1.00 0.62 0.00
ol99/O	77.2	9.8	79.3	80.4	82.9	1.00 0.75 0.00
ol99/O	84.8	-5.1	85.0	85.2	93.8	1.00 0.87 0.00

Interpretation rgb -> ol* and CIELAB data for a sRGB display with the luminance reflection Lr=0%

48 step device hue circle with six device hues OYLCCVM: h_{RGB} = 40.0, 102.8, 136.0, 196.3, 306.2, 328.2

4 elementary hues **R/G/B**: h_{RGB} = 25.4, 92.3, 162.2, 271.7

Code	L*	a*	b*	C*	h _{ab}	rgb -> ol*
ol00/O	57.2	94.3	-58.4	110.9	328.2	1.00 0.00 1.00
ol20/O	56.5	90.3	-43.9	104.0	334.0	1.00 0.00 0.87
ol40/O	56.2	87.2	-36.0	91.0	347.4	1.00 0.00 0.75
ol60/O	53.0	83.6	-12.6	84.6	351.4	1.00 0.00 0.62
ol80/O	52.0	81.1	4.1	81.2	29.0	1.00 0.00 0.50
ol92/O	51.3	79.2	21.6	82.1	15.2	1.00 0.00 0.37
ol99/O	50.8	77.9	39.2	87.2	26.7	1.00 0.00 0.25
ol99/O	50.6	77.2	54.9	84.8	35.4	1.00 0.00 0.12

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display Lr=2.5%

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Root R of the elementary hues RGB: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	53.0	72.6	34.5	80.4	25.4	1.00 0.00 0.00
g50/G	35.5	36.3	17.2	40.2	25.4	0.50 0.00 0.00
b50/B	74.2	36.3	17.2	40.2	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 18.0, 37.3, 56.7, 76.0, 95.4						
n000~N	18.0	0.0	0.0	0.0	0.00 0.00 0.00	
n025~V	37.3	0.0	0.0	325.3	0.25 0.25 0.25	
n050~W	56.7	0.0	0.0	324.8	0.50 0.50 0.50	
n075~Y	76.1	0.0	0.0	323.7	0.75 0.75 0.75	
n100~W	95.4	0.0	0.0	0.0	1.00 1.00 1.00	

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display Lr=2.5%

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
16 step elementary hue circle with six device hues: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	53.0	72.6	34.5	80.4	25.4	1.00 0.00 0.00
r25/R	57.1	59.5	53.9	80.3	42.1	1.00 0.25 0.00
r50/R	66.7	37.3	61.7	72.1	58.8	1.00 0.50 0.00
r75/R	75.0	17.7	69.0	71.2	75.6	1.00 0.75 0.00
5 step equidistant grey scale: L* = 18.0, 37.3, 56.7, 76.0, 95.4						
n000~N	18.0	0.0	0.0	0.0	0.00 0.00 0.00	
n025~V	37.3	0.0	0.0	325.3	0.25 0.25 0.25	
n050~W	56.7	0.0	0.0	324.8	0.50 0.50 0.50	
n075~Y	76.1	0.0	0.0	323.7	0.75 0.75 0.75	
n100~W	95.4	0.0	0.0	0.0	1.00 1.00 1.00	

Interpretation rgb -> ol* and CIELAB data for a sRGB display with the luminance reflection Lr=2.5%

48 step device hue circle with six device hues OYLCCVM: h_{RGB} = 34.8, 103.2, 136.9, 196.4, 304.3, 328.0

4 elementary hues **R/G/B**: h_{RGB} = 25.4, 92.3, 162.2, 271.7

Code	L*	a*	b*	C*	h _{ab}	rgb -> ol*
ol00/O	52.7	71.6	49.9	87.3	34.8	1.00 0.00 0.00
ol20/O	53.6	68.9	50.7	85.6	36.3	1.00 0.12 0.00
ol40/O	56.0	62.4	52.9	81.8	40.2	1.00 0.25 0.00
ol60/O	59.8	52.2	56.4	76.9	47.2	1.00 0.37 0.00
ol80/O	64.9	39.2	61.0	72.5	57.2	1.00 0.50 0.00
ol92/O	71.0	24.6	66.2	74.1	67.6	1.00 0.62 0.00
ol99/O	77.8	9.4	72.3	72.9	82.5	1.00 0.75 0.00
ol99/O	85.1	-5.5	78.5	82.7	94.0	1.00 0.87 0.00

Interpretation rgb -> ol* and CIELAB data for a sRGB display with the luminance reflection Lr=2.5%

48 step device hue circle with six device hues OYLCCVM: h_{RGB} = 34.8, 103.2, 136.9, 196.4, 304.3, 328.0

4 elementary hues **R/G/B**: h_{RGB} = 25.4, 92.3, 162.2, 271.7

Code	L*	a*	b*	C*	h _{ab}	rgb -> ol*
ol00/O	59.0	89.3	-57.7	105.2	328.0	1.00 0.00 1.00
ol20/O	57.4	85.2	-41.5	94.8	333.9	1.00 0.00 0.87
ol40/O	56.1	81.5	-28.9	85.9	341.7	1.00 0.00 0.75
ol60/O	55.0	78.4	-11.7	79.3	351.5	1.00 0.00 0.62
ol80/O	54.1	75.9	3.8	76.0	28.0	1.00 0.00 0.50
ol92/O	53.5	74.1	19.1	76.4	14.5	1.00 0.00 0.37
ol99/O	52.6	72.6	33.4	80.0	24.6	1.00 0.00 0.25
ol99/O	52.8	71.4	44.4	84.5	31.6	1.00 0.00 0.12

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display Lr=40%

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Root R of the elementary hues RGB: h_{RGB} = 25.4, 92.3, 162.2, 271.7						
r00/R	77.2	24.4	11.6	27.1	25.4	1.00 0.00 0.00
g50/G	73.4	12.2	5.8	13.5	25.4	0.50 0.00 0.00
b50/B	86.3	12.2	5.8	13.5	25.4	1.00 0.50 0.50
5 step equidistant grey scale:						