

Supplementary Material

Table A1: List of all used artworks

Artist	Year	Title	Museum	Image Specifications	Information on saturation manipulation	Link	Genre
Camille Pissarro	1900	Bouquet de fleurs	Kunstmuseum Basel	Oil on silk on canvas 18 x 14.1 cm	+70%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=27&sp=1&sp=SdetailView&sp=39&sp=Sdetail&sp=0&sp=T&sp=0&sp=SdetailList&sp=0&sp=F&sp=Scollection&sp=12066	Stillife
Henri Matisse	1920	Femme au divan	Kunstmuseum Basel	Oil on canvas 60.2 x 73.4 cm	+70%	https://kmb.picturerepark.com/Go/4CVqeqEs	Figures
Edouard Vallet	1912	Autoportrait	Kunstmuseum Basel	Oil on canvas 44 x 37 cm	+60%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleImageLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=11&sp=1&sp=SdetailView&sp=2&sp=Sdetail&sp=0&sp=T&sp=0&sp=SdetailList&sp=0&sp=F&sp=Scollection&sp=11319	Portrait

Ferdinand Hodler	1904	Bildnis Käthe von Bach (im Garten)	Kunstmuseum Basel	Oil on canvas 42.2 x 32.6 cm	+60%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=27&sp=1&sp=SdetailView&sp=68&sp=Sdetail&sp=0&sp=Top=0&sp=SdetailList&sp=0&sp=Filter&sp=Scollection&sp=11190	Portrait
Max Birrer	1934	Oranges amères	Kunstmuseum Basel	Oil on canvas 46.5 x 61 cm	+70%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleImageLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=7&sp=1&sp=SdetailView&sp=91&sp=Sdetail&sp=0&sp=Top=0&sp=SdetailList&sp=0&sp=Filter&sp=Scollection&sp=13155	Stillife
Edvard Munch	1918	Küstenlandschaft	Kunstmuseum Basel	Oil on canvas 120.9 x 160 cm	+60%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleImageLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=8&sp=1	Land-scape

						&sp=SdetailView&sp=234&sp=Sdetail&sp=0&sp=T&sp=0&sp=SdetailList&sp=0&sp=F&sp=Scollection&sp=11250	
Paul Gauguin	1892	Ta matete (Le marché)	Kunstmuseum Basel	Oil on jute 73.2 x 91.5 cm	+70%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=10&sp=1&sp=SdetailView&sp=7&sp=Sdetail&sp=0&sp=T&sp=0&sp=SdetailList&sp=0&sp=F&sp=Scollection&sp=11162	Figures
Paul Cézanne	1885/ 1887	Cinq baigneuses	Kunstmuseum Basel	Oil on canvas 65.3 x 65.3 cm	+70%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.collection_list.\$TsPTitleLink.link&sp=13&sp=Sartist&sp=SfilterDefinition&sp=0&sp=3&sp=1&sp=SdetailView&sp=32&sp=Sdetail&sp=0&sp=T&sp=0&sp=SdetailList&sp=0&sp=F&sp=Scollection&sp=11136	Figures
Amedeo Modigliani	1918	Marie (Marie, fille du peuple)	Kunstmuseum Basel	Oil on canvas 61.2 x 49.8 cm	+60%	http://sammlungonline.kunstmuseumbasel.ch/eMuseumPlus?service=direct/1/ResultDetailView/result.inline.list.t1.c	Portrait

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Vincent van Gogh	1889	Vue de l'asile et de la Chapelle de Saint-Rémy	Private Collection	Oil on Canvas 45.1 x 60.4 cm	+70%	https://www.christies.com/lotfinder/Lot/vincent-van-gogh-1853-1890-vue-de-5532359-details.aspx	Land- scape
Egon Schiele	1910	Stadt am blauen Fluss (<u>Krumau</u>)	Private Collection	Gouache, watercolor, metallic paint and black Conté crayon on paper 45 x 31.4 cm	+50	https://commons.wikimedia.org/wiki/File:Egon_Schiele_-_Stadt_am_blaue_n_Fluss_(1910).jpg	Land- scape
Claude Monet	1871	La Tamise à Westminster	National Gallery London	Oil on canvas 47 x 73 cm	+60%	https://www.nationalgallery.org.uk/paintings/claude-monet-the-thames-below-westminster	Land- scape
Paula Modersohn-Becker	1907	Stilleben mit Ringelrosen und Bernsteinkette vor Landschaft	Private Collection	Oil on canvas 25.0 x 28.5 cm	+50%	https://www.museen-boettcherstrasse.de/ausstellungen/paula-modersohn-becker-aus-privaten-sammlungen/	Stillife
Paul Cézanne	1877	Nature morte avec pot, tasse et pommes	Metropolitan Museum of Art, New York	Oil on canvas 60.6 x 73.7 cm	+80%	https://www.metmuseum.org/toah/works-of-art/29.100.66/	Stillife
Vincent van Gogh	1890	La cour de la prison	Pushkin Museum of Fine Arts, Moscow	Oil on canvas 80 x 64 cm	+60%	https://de.wikipedia.org/wiki/Dat ei:Vincent_Wille m_van_Gogh_037.jpg	Figures

Alexej von Jawlensky	1913	Grosser Frauenkopf auf Rot	Pinakothek der Moderne München	Oil on cardboard 68.8 x 49.9 cm	+60%	https://www.sammlung.pinakothek.de/de/bookmark/artwork/bwx0338Y4m	Portrait
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Table A2: Overall saturation and brightness of the used stimulus images

	Saturation			Brightness		
	original	manipulated	increase	original	manipulated	increase
Birrer "Oranges ameres"	41	96	133%	142	161	14%
Cezanne "Baigneuses"	66	152	131%	139	173	24%
Cezanne "Nature morte"	87	179	105%	106	136	28%
Gaugin "Te matete"	106	184	74%	128	159	24%
Hodler "Käthe"	66	131	99%	160	188	18%
Jawlensky "Frauenkopf"	94	175	85%	95	123	29%
Matisse "Femme au divan"	57	129	127%	161	192	19%
Modersohn "Stilleben"	66	109	65%	137	153	11%
Modigliani "Marie"	105	161	53%	102	122	20%
Monet "Themse"	41	89	118%	168	188	12%
Munch "Küstenlandschaft"	66	127	94%	120	141	17%
Pissarro "Bouquet"	67	152	127%	108	137	26%
Schiele "Stadt"	86	143	67%	125	147	18%
Vallet "Autoportrait"	86	156	82%	123	148	20%
Van Gogh "La cour"	38	82	113%	136	149	10%
Van Gogh "Vue de l'asile"	82	176	116%	143	185	29%
Averages	72	140	99%	131	156	20%

Table A3: Descriptive Statistics for all used images

Set 1

Paul Cézanne, Cinque baigneuses, 1885/1887											
	Original						Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	43.76	46	24.541	0	93	44.17	45	24.888	0	93
Unrestricted time	72	46.72	45	24.470	0	96	41.10	40	24.169	0	96

Paul Gauguin, Te matate (le marché), 1892											
	Original						Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	42.56	42	24.310	0	95	44.26	40	24.470	0	95
Unrestricted time	72	53.46	55	22.259	11	100	52.54	55	23.855	0	90

Amedeo Modigliani, Marie, 1918											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	49.49	49.50	27.740	4	100	47.79	41.50	27.587	4	100
Unrestricted time	72	47.40	46	27.519	0	100	47.68	50	28.294	0	100

Edouard Vallet, Autoportrait, 1912											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	39.85	38.50	25.943	0	86	38.57	35	25.323	0	85
Unrestricted time	72	40.08	40	24.338	0	100	41.14	40	24.359	0	100

Claude Monet, La Tamise à Westminster, 1871											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	59.79	62	23.214	0	95	59.82	65	25.789	0	98
Unrestricted time	72	59.75	66	23.558	0	96	65.83	71.50	24.508	0	100

Edvard Munch, Küstenlandschaft, 1918											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	48.21	49.50	26.146	0	100	50.33	53.50	25.031	0	100
Unrestricted time	72	56.10	59	24.252	0	100	58.03	60	25.548	0	100

Camille Pissarro, Bouquet de fleurs, 1900											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	40.13	43	22.457	0	100	44.21	46	25.682	0	100
Unrestricted time	72	40.96	43	25.891	0	95	47.38	48	23.753	0	89

Max Birrer, Oranges amères, 1934											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	72	45.78	50	23.632	0	100	48.85	50	24.337	0	100
Unrestricted time	72	48.25	50	24.218	0	100	54.18	58.50	24.823	5	90

Set 2

Henri Matisse, Femme au divan, 1920											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	43.76	46	24.541	0	93	44.17	45	24.888	0	93
Unrestricted time	75	46.72	45	24.470	0	96	41.10	40	24.169	0	96

Vincent van Gogh, La cour de la prison, 1890											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	49.05	51	21.843	0	91	48.33	49	20.958	0	90
Unrestricted time	75	57.43	60	23.982	0	100	60.19	60	24.543	0	100

Ferdinand Hodler, Bildnis Käthe von Bach (im Garten), 1904											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	56.67	58	23.131	2	100	58.59	60	23.515	0	100
Unrestricted time	75	58.91	65	27.296	4	100	59.33	65	24.843	0	100

Alexej von Jawlensky, Grosser Frauenkopf auf Rot, 1913											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	49.85	52	25.083	0	100	49.96	48	25.252	0	100
Unrestricted time	75	46.19	45	23.316	0	96	48.92	54	25.700	0	94

Vincent van Gogh, Vue de l'asile et de la Chapelle de Saint-Rémy, 1889											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	56.04	62	22.702	0	100	50.97	50	23.267	5	100
Unrestricted time	75	56.36	56	25.396	6	100	50.39	51	28.349	0	100

Egon Schiele, Stadt am blauen Fluss (<u>Krumau</u>), 1910											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	49.00	50	23.684	1	100	50.75	52	21.467	3	100
Unrestricted time	75	45.24	45	23.718	0	94	44.25	40	27.224	0	95

Paula Modersohn-Becker, Stilleben mit Ringelrosen und Bernsteinkette vor Landschaft, 1907											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	43.00	43	23.417	0	97	43.79	43	23.446	0	90
Unrestricted time	75	32.52	25	23.294	0	91	39.65	38	24.916	0	100

Paul Cézanne, Nature morte avec pot, tasse et pommes, 1877											
		Original					Augmented saturation				
	<i>n</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>	<i>Mean</i>	<i>Median</i>	<i>SD</i>	<i>Min</i>	<i>Max</i>
100ms	75	43.97	41	23.974	4	100	45.79	46	23.780	5	90
Unrestricted time	75	38.25	37	24.113	0	100	36.61	33	21.558	0	88