



Qualitative Prototype

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Beyond the Canvas

Step into the intricate world of art and the science and uncover the captivating interplay between human perception, palettes, and proportions.

Hues of Attraction

Humans possess an innate connection to colors which can evoke profound emotional and psychological responses. Through this exploration, we seek to understand which colors are most prevalent and how they influence our attraction to art.



Size and Sensibility

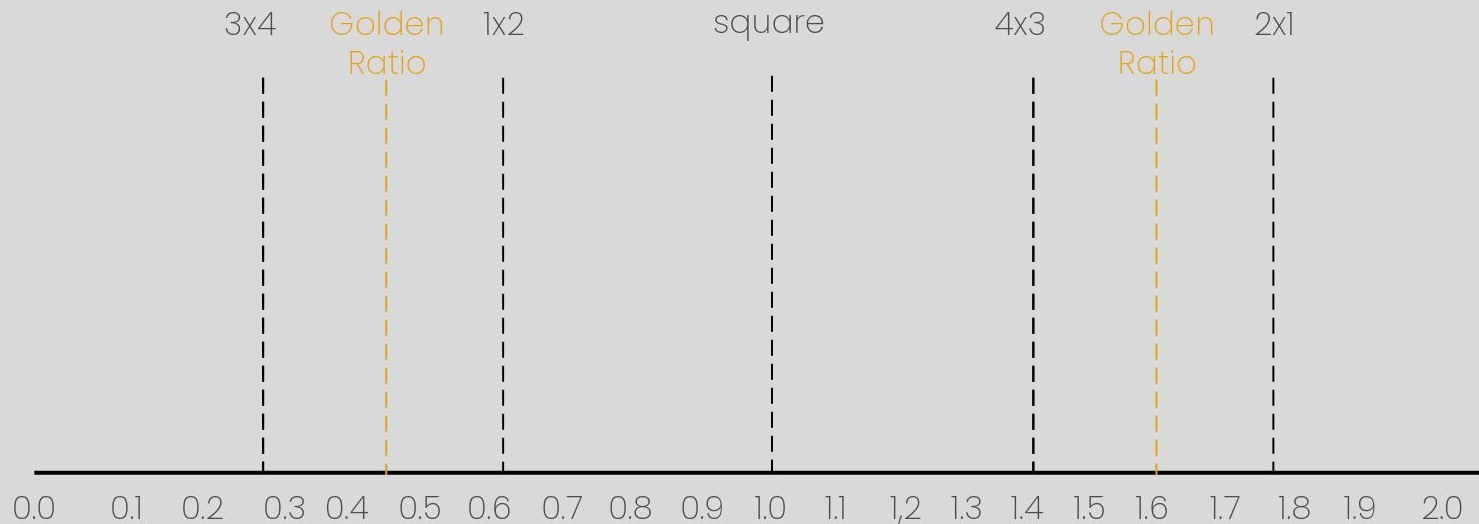
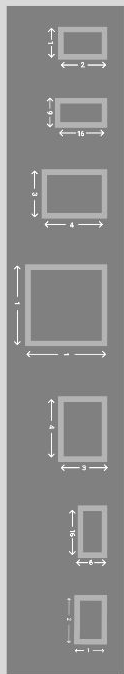
The golden ratio, a mathematical concept represented as 1.618, has been employed by artists and designers for centuries to craft aesthetically pleasing compositions. It's use often blurs the line between subconscious intuition and conscious design strategy.



Size and Sensibility

Human beings possess an inherent appreciation for harmonious proportions. The golden ratio, a mathematical concept represented as 1.618, has been employed by artists and designers for centuries to craft aesthetically pleasing compositions. Its use often blurs the line between subconscious intuition and conscious design strategy.

Explore and unveil recurring patterns and preferences in the application of this mathematical harmony within the National Gallery of Art's collection



[Sources](#)

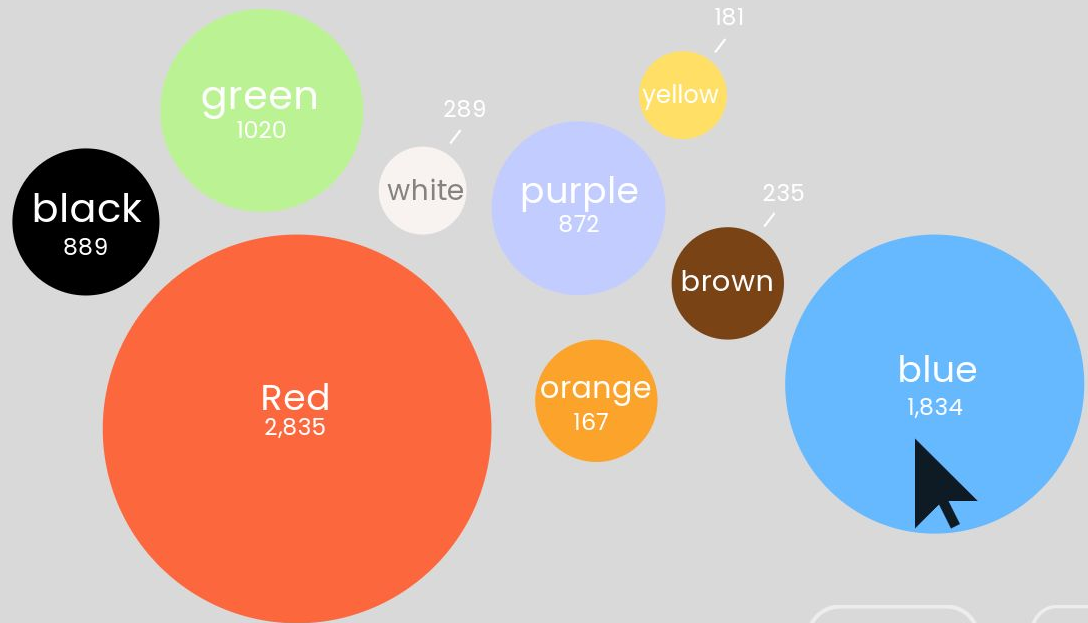
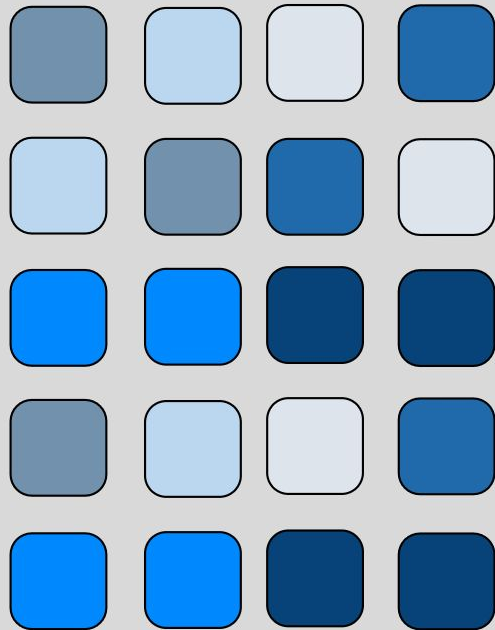
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Hues of Attraction

Humans possess an innate connection to colors which can evoke profound emotional and psychological responses.

Through this exploration, we seek to understand which colors are most prevalent and how they influence our attraction to art.

Uncover the patterns and preferences in color choices across the NGA collection gain insights into the role color plays in shaping our appreciation and connection to art.



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Hues of Attraction

Color Picker



Hues of Attraction



Hans Roth [Reverse]
1527
Bernhard Strigel

objectid	Height	Width	Ratio	title	beginyear	visualbrowse	iiifthumburl	simplecolor1	simplecolor2	simplecolor3	webcolor1	webcolor2	webcolor3	red	blue	green	rbgcolor2	rbgcolor3				
33754	42.6	3	14.2	Hans Roth [re	1527	painting	"https://api.r	200/0/default	brown	gray	gray	saddlebrown	darkslategra	dimgray	53.1233236	39.4642857	27.1489796	[137.6905005	[110.50099859	64.73684211	41.93808741]	
42509	9.8	5.4	1.81481482	William Henr	1810	painting	"https://api.r	200/0/default	black	green	brown	black	darkolivegre	darkkhaki	18.4913056	14.5269266	10.81314	[96.30451293	[194.24121406	164.34185304	119.11421725]	
93322	7.5	5.9	1.27118644	Head of a You	1650	painting	"https://api.r	200/0/default	green	gray	gray	snow	darkslategra	gray	46.7400799	47.0937053	35.1122887	[251.9949517	[150.70782754	128.32607786	105.92046882]	
52218	12.8	8.3	1.54216868	Nude with Fi	1882	painting	"https://api.r	200/0/default	gray	gray	gray	gray	lightgray	dimgray	86.68620974	97.2627109	100.603515	[152.4764518	[223.71123321	211.21448921	203.22262922]	
52213	9.5	8.4	1.13095238	Child with Bl	1895	painting	"https://api.r	200/0/default	brown	brown	brown	burlywood	darkkhaki	wheat	166.380866	140.520608	95.398917	[237.5444437	[220.96826593	194.15431634	141.97764381]	
176300	13.9700279	8.89001778	1.57142857	Joseph Gales	1821	painting	"https://api.r	200/0/default	gray	brown	black	darkslategra	saddlebrown	black	45.0024808	26.5404619	12.8578272	[60.67503855	[105.09634659	67.37924345	44.24086647]	
177271	12.7000254	8.89001778	1.42857143	Charles Sheel	1906	painting	"https://api.r	200/0/default	gray	gray	green	dimgray	darkslategra	darkolivegre	68.584395	51.8088154	35.5663528	[115.1093082	[91.59578119	75.49677029	53.2970327]	
128004	10.8	8.9	1.21348315	Self-Portrait	1645	painting	"https://api.r	200/0/default	black	orange	green	black	sienna	darkolivegre	46.0798143	29.5858943	12.5441079	[77.86669234	[150.21389728	109.90513595	71.4978852]	
52219	7.7	9.6	0.80208333	The Blue Rive	1890	painting	"https://api.r	200/0/default	gray	gray	gray	dimgray	slategray	darkgray	161.235187	176.699144	178.471016	[80.5179822]	[119.18152405	140.43805875	140.92609621]	
46037	11.8	9.9	1.19191919	Young Woma	1700	painting	"https://api.r	200/0/default	green	green	gray	darkolivegre	darkolivegre	darkslategra	50.888771	38.3039106	27.0399441	[121.6640723	[84.3426445	59.80311231	31.20268703]	
52214	11.7	10.1	1.15841584	Child with Br	1887	painting	"https://api.r	200/0/default	brown	gray	green	rosybrown	lightgray	darkolivegre	211.3247247	205.071141	206.865889	[109.0979381	[181.24514149	154.80548926	147.14933515]	
52217	13.3	10.3	1.29126214	Small Study f	1882	painting	"https://api.r	200/0/default	gray	gray	gray	gray	silver	lightgray	149.072766	152.087021	131.095745	[184.8379767	[225.07450103	214.72539573	207.17205781]	
50662	14.3	10.5	1.36190476	Saint George	1432	painting	"https://api.r	200/0/default	gray	gray	gray	darkslategra	darkgray	dimgray	116.418034	105.8143080	83.8266711	[65.07707775	[165.73096447	168.63562128	155.97770911]	
86204	13.7	10.5	1.30476191	Youth Making	1632	painting	"https://api.r	200/0/default	green	gray	black	darkolivegre	dimgray	black	78.5352711	65.2316569	46.8585892	[121.0215197	[34.8006366	31.61687003	21.06938992]	
12102	28.5	10.6	2.68867925	Saint Margar	1435	painting	"https://api.r	200/0/default	brown	black	orange	darkkhaki	black	sienna	137.5079660	94.01634595	51.4655494	[38.73041651	[188.5195163	152.43716516	103.93586407]	
52215	14.8	10.7	1.38317757	Young Girl Re	1888	painting	"https://api.r	200/0/default	brown	brown	orange	rosybrown	tan	sienna	207.405022	184.472725	160.842774	[120.1180623	[166.76425384	138.33614279	109.46694761]	
52224	8.7	10.8	0.80555556	Christ and th	1935	painting	"https://api.r	200/0/default	green	orange	black	darkolivegre	peru	black	108.2650176	87.60745262	57.8501981	[36.04488815	[173.48762707	143.14046617	83.75736729]	
12103	28.6	11.3	2.53097345	Saint Apollor	1435	painting	"https://api.r	200/0/default	orange	green	brown	sienna	darkolivegre	darkkhaki	154.586138	114.7006107	68.7983241	[78.68792112	[196.54514975	163.14148413	118.10907465]	
42284	15	11.4	1.31578947	Portrait of a	1879	painting	"https://api.r	200/0/default	brown	gray	gray	rosybrown	darkslategra	dimgray	165.141559	145.000957	116.931612	[44.98607885	[100.01301984	100.27180823	82.75928621]	
43626	34.6	11.5	3.00869565	Portrait of a	100	painting	"https://api.r	200/0/default	green	brown	orange	darkolivegre	rosybrown	sienna	173.964229	131.403894	101.412724	[102.74860713	[239.23959938	93.95208012	75.95916795]	

Sources:

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