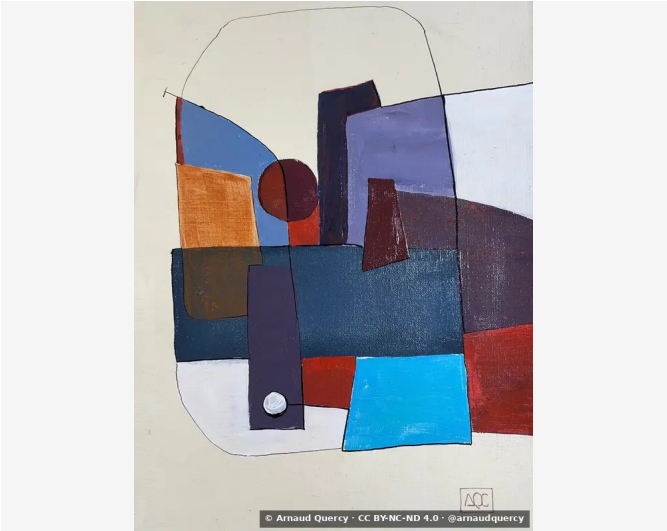


Nanopublication – Computational Image Analysis –
AQC0597

by Arnaud Quercy · F minor – Research on Harmony – Variation 3 · 2024



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC0597

Analysis record: F minor – Research on Harmony – Variation 3 (AQC0597) ^[1] by Arnaud Quercy ^[2], per IDS-CMP-2025 ^[3]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2025-10-03.

CONTEXT

Analysis performed according to IDS-CMP-2025 ^[3] includes four metric categories: (a) Color distribution via k-means (10 colors), (b) Texture analysis using Haralick features, (c) Brightness and contrast measurements, (d) Spatial pattern characterization. Source image: 2624x3498 pixels. Analysis date: 2025-10-03.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D7D3CA	33.9	yellow-orange	lightgray
2		DEDEDE	18.2	white	gainsboro
3		453847	11.0	red-violet	dusty mauve
4		6674A6	8.1	violet	dusty mauve
5		263F5D	7.4	blue-violet	grayish purple
6		2D1D2B	5.5	red-violet	very dark gray
7		872C26	5.3	red-orange	brown
8		0BA8E7	4.9	blue	deepskyblue
9		C5713A	2.9	orange	peru
10		4E5872	2.7	blue-violet	grayish purple
11		130208	0.3	red	black [Accent]
12		C2BDA6	0.3	yellow	silver [Accent]

Color Families:

Family	%
yellow-orange	33.9
white	18.2
red-violet	16.5
blue-violet	10.1
violet	8.1
red-orange	5.3
blue	4.9
orange	2.9
red	0.3
yellow	0.3

Accent Colors:

Hex	Family	Name	Chroma
130208	red	black	6.1
C2BDA6	yellow	silver	12.2

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.279
Mean Local Roughness	0.016
Roughness Uniformity	0.03
Edge Density	0.05
Mean Gradient Magnitude	0.118
Gradient Variance	0.079
Gradient Smoothness	0.0
Directional Coherence	0.242
Pattern Complexity	0.117
Pattern Repetition	1.0
Detail Frequency Ratio	0.642
Spatial Variation	0.196
Texture Consistency	0.62

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.594
Brightness Variance	0.279
Brightness Uniformity	0.531
Brightness Skewness	-0.358
Brightness Entropy	6.701
Rms Contrast	0.279
Michelson Contrast	1.0
Weber Contrast	0.748
Mean Local Contrast	0.016
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.71
Shadow Percentage	29.772
Midtone Percentage	17.974
Highlight Percentage	52.254
Shadow Clipping	0.009
Highlight Clipping	0.003
Tonal Balance	0.0
Fine Contrast	0.009
Medium Contrast	0.022
Coarse Contrast	None
Multiscale Contrast Ratio	1.0
Edge Contrast	0.118
Contrast Clustering	0.38

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.758
Color Clustering	0.625
Color Transition Smoothness	0.684
Transition Uniformity	0.466
Sharp Transition Ratio	0.1
Transition Directionality	0.246
Mean Saturation	0.284
Saturation Variance	0.079
Low Saturation Ratio	0.595
Medium Saturation Ratio	0.298
High Saturation Ratio	0.108
Saturation Clustering	0.999
Hue Concentration	0.468
Complementary Balance	0.034
Analogous Dominance	0.652
Temperature Bias	-0.163

Methodology

This analysis employs standardized computational methods for objective image characterization. Color extraction uses k-means clustering algorithm. Texture analysis applies Haralick feature extraction. Brightness metrics include mean, variance, and distribution analysis. Spatial patterns are characterized through coherence and clustering measurements. All methods are deterministic and reproducible. Analysis performed by Ideamorphic Studies' computational imaging systems.

REFERENCES

[1] Quercy, A. (2024). F minor - Research on Harmony - Variation 3 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0597.html>

[2] Quercy, A. (2025). ORCID <https://orcid.org/0009-0000-2662-7790>

[3] Quercy, A. (2026). Computational Image Analysis Standard. <https://ideamorphism.org/en/measurements/2025/09/ids-cmp-2025-computational-image-analysis-standard-5dq9.html>

EPISTEMIC PROFILE

Claim type	computational analysis
Voice	third person
Epistemic status	empirical measurement
Methodology	computational analysis
Certainty	high

CHECKSUM (SHA-256)

97f661ed4f05d6fd28a3efaa8e16290b202aa877f916ed545d5379e4c5e5ff1a

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