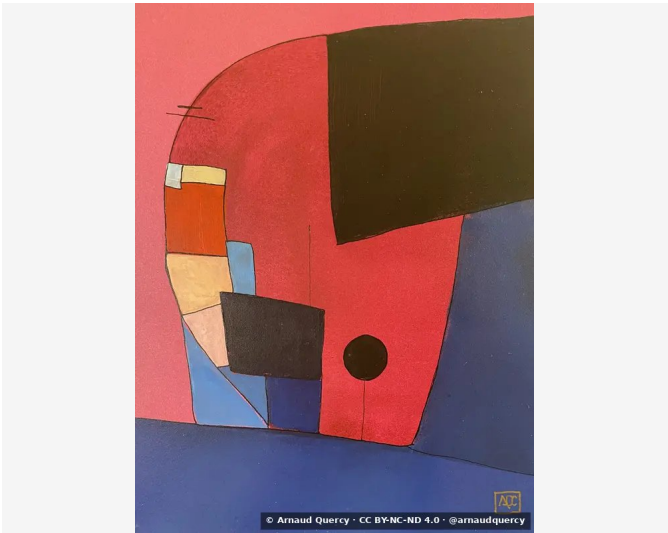


Nanopublication – Computational Image Analysis –
AQC0736

by Arnaud Quercy · F Minor – Research on Harmony – Variation 10 · 2024



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC0736

The artwork F Minor [1] – Research on Harmony – Variation 10 (AQC0736) [2] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-02-04. Method: k-means clustering with 10 colors extracted. Metrics documented: color distribution, texture analysis, brightness/contrast, spatial patterns.

CONTEXT

Analysis performed according to MMIDS-CMP-2025 [3] includes four metric categories: (1) Color distribution via k-means (10 colors), (2) Texture analysis using Haralick features, (3) Brightness and contrast measurements, (4) Spatial pattern characterization. Source image [5]: 2987x3982 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		442E15	14.4	orange	dark brown
2		E97170	14.4	red-orange	salmon
3		DA4742	13.5	red-orange	indianred
4		494965	12.7	violet	dusty mauve
5		CA3E30	12.5	red-orange	firebrick
6		44538C	10.6	violet	dusty mauve
7		584328	10.1	yellow-orange	dark brown
8		5A628D	6.5	violet	dusty mauve
9		EDBC8A	2.7	orange	burlywood
10		7593BC	2.6	blue-violet	lightslategray
11		D2D1BE	0.3	yellow	lightgray [Accent]
12		231729	0.3	red-violet	very dark gray [Accent]
13		BD93A8	0.3	red	rosybrown [Accent]

Color Families:

Family	%
red-orange	40.3
violet	29.8
orange	17.1
yellow-orange	10.1
blue-violet	2.6
yellow	0.3
red-violet	0.3
red	0.3

Accent Colors:

Hex	Family	Name	Chroma
D2D1BE	yellow	lightgray	10.4
231729	red-violet	very dark gray	14.1
BD93A8	red	rosybrown	19.6

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.14
Mean Local Roughness	0.01
Roughness Uniformity	0.012
Edge Density	0.026
Mean Gradient Magnitude	0.09
Gradient Variance	0.017
Gradient Smoothness	0.0
Directional Coherence	0.052
Pattern Complexity	0.117
Pattern Repetition	1.0
Detail Frequency Ratio	0.615
Spatial Variation	0.101
Texture Consistency	0.691

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.387
Brightness Variance	0.14
Brightness Uniformity	0.638
Brightness Skewness	0.593
Brightness Entropy	6.974
Rms Contrast	0.14
Michelson Contrast	1.0
Weber Contrast	0.633
Mean Local Contrast	0.012
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.424
Shadow Percentage	37.933
Midtone Percentage	59.244
Highlight Percentage	2.823
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.005
Medium Contrast	0.015
Coarse Contrast	0.023
Multiscale Contrast Ratio	0.23
Edge Contrast	0.09
Contrast Clustering	0.309

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.791
Color Clustering	0.514
Color Transition Smoothness	0.768
Transition Uniformity	0.889
Sharp Transition Ratio	0.1
Transition Directionality	0.066
Mean Saturation	0.556
Saturation Variance	0.031
Low Saturation Ratio	0.088
Medium Saturation Ratio	0.635
High Saturation Ratio	0.278
Saturation Clustering	1.0
Hue Concentration	0.474
Complementary Balance	0.054
Analogous Dominance	0.699
Temperature Bias	0.441

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 Multimodal Institute's computational imaging systems.

REFERENCES

[1] Arnaud Quercy (2024). F Minor - Research on Harmony - Variation 10 - Catalog raisonn  . <https://arnaudquercy.art/en/catalogue-raisonne/AQC0736.html>

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2024/01/f-minor-research-on-harmony-variation-10_86g.html

[3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 <https://multimodal.institute/en/publications/2025/11/mmids-cmp-2025-computational-image-analysis-standard-dg1.html>

WHERE THIS WORK LIVES

THEMATIC ELEMENTS

chromesthetic mapping

F Minor triad

acrylic painting

wood panel

synesthetic art

harmonic relationships

color correspondence

geometric composition

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

87f4d0e5ae734fc7c0c716ec5d6b7aa49d5fc4135f8087660268dcbaa2bc8a61

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