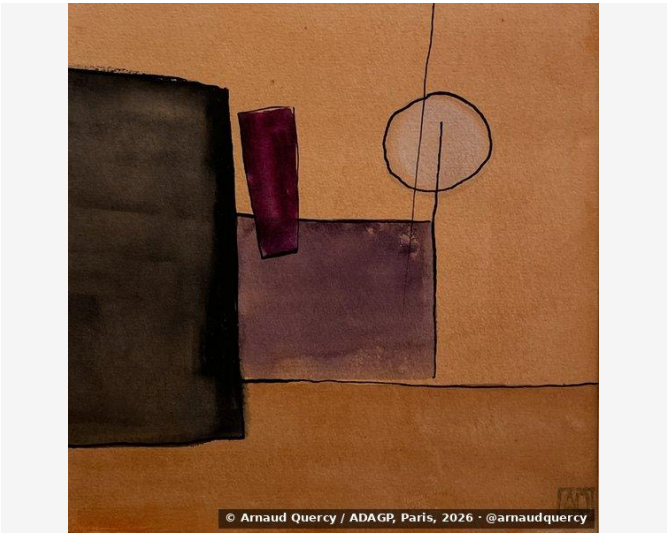


Nanopublication – Computational Image Analysis –
AQC1066

by Arnaud Quercy · Watercolor Study in F Major No. 1 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1066

Analysis record: Watercolor Study in F Major No. 1 (AQC1066) ^[1] by Arnaud Quercy ^[2], per IDS-CMP-2025 ^[3]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-07-13.

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: 1753x1753 pixels. Analysis date: 2026-07-13.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		AE7245	19.6	orange	peru
2		8D5226	14.3	orange	burnt sienna
3		28160F	11.2	red-orange	very dark gray
4		B57D53	10.6	orange	indianred
5		834717	9.6	orange	russet
6		A06539	9.2	orange	burnt sienna
7		38261C	8.9	orange	very dark gray
8		522F2E	7.4	red-orange	darkslategray
9		080401	5.4	black	black
10		694139	3.8	red-orange	dark brown
11		4F041F	0.3	red	very dark red [Accent]

Color Families:

Family	%
orange	72.2
red-orange	22.4
black	5.4
red	0.3

Accent Colors:

Hex	Family	Name	Chroma
4F041F	red	very dark red	35.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.162
Mean Local Roughness	0.015
Roughness Uniformity	0.011
Edge Density	0.01
Mean Gradient Magnitude	0.108
Gradient Variance	0.019
Gradient Smoothness	0.0
Directional Coherence	0.016
Pattern Complexity	0.132
Pattern Repetition	1.0
Detail Frequency Ratio	0.615
Spatial Variation	0.119
Texture Consistency	0.411

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.338
Brightness Variance	0.162
Brightness Uniformity	0.52
Brightness Skewness	-0.442
Brightness Entropy	6.974
Rms Contrast	0.162
Michelson Contrast	1.0
Weber Contrast	0.806
Mean Local Contrast	0.015
Contrast Uniformity	0.158
Dynamic Range	0.678
Effective Dynamic Range	0.49
Shadow Percentage	40.301
Midtone Percentage	59.699
Highlight Percentage	0.0
Shadow Clipping	0.061
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.009
Medium Contrast	0.018
Coarse Contrast	None
Multiscale Contrast Ratio	1.0
Edge Contrast	0.108
Contrast Clustering	0.589

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.767
Color Clustering	0.617
Color Transition Smoothness	0.703
Transition Uniformity	0.853
Sharp Transition Ratio	0.1
Transition Directionality	0.018
Mean Saturation	0.633
Saturation Variance	0.022
Low Saturation Ratio	0.003
Medium Saturation Ratio	0.692
High Saturation Ratio	0.305
Saturation Clustering	0.998
Hue Concentration	0.974
Complementary Balance	0.001
Analogous Dominance	0.978
Temperature Bias	0.979

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. (2026). Watercolor Study in F Major No. 1 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1066.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)

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