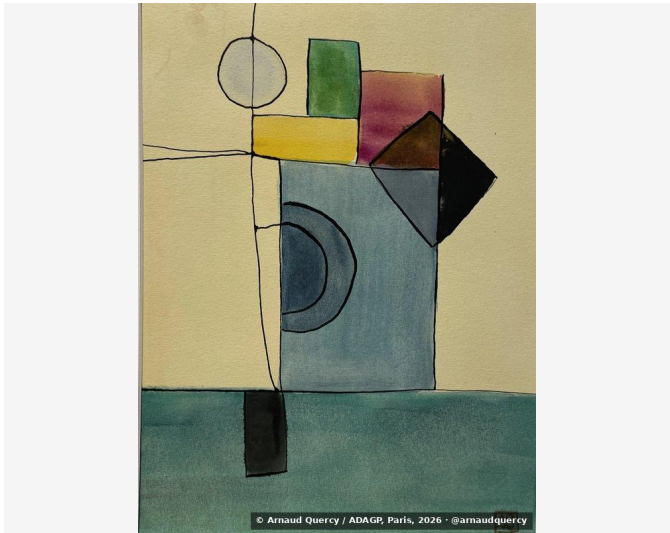


Nanopublication – Computational Image Analysis – AQC1085

by Arnaud Quercy · Watercolor Study in F# Minor No. 2 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1085

The artwork Watercolor Study in F# Minor No. 2 (AQC1085) ^[1] by Arnaud Quercy ^[2] underwent comprehensive computational analysis ^[3] on 2026-07-13. Method: k-means clustering with 10 colors extracted. Metrics documented: color distribution, texture analysis, brightness/contrast, spatial patterns.

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: 1726x2302 pixels. Analysis date: 2026-07-13.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		BAAE82	24.0	yellow-orange	ochre
2		C7B98A	21.8	yellow-orange	tan
3		567266	16.6	green	dimgray
4		456156	13.5	green	darkslategray
5		6A8078	9.3	green	gray
6		0C0D0B	5.0	black	black
7		324942	3.6	green	darkslategrey
8		8B4C45	2.3	red-orange	burnt sienna
9		C3A536	2.1	yellow-orange	goldenrod
10		392617	1.8	orange	very dark gray
11		691B37	0.3	red	brown [Accent]
12		46692C	0.3	yellow-green	dark brown [Accent]
13		998B31	0.3	yellow	olivedrab [Accent]

Color Families:

Family	%
yellow-orange	47.9
green	43.0
black	5.0
red-orange	2.3
orange	1.8
red	0.3
yellow-green	0.3
yellow	0.3

Accent Colors:

Hex	Family	Name	Chroma
691B37	red	brown	37.1
46692C	yellow-green	dark brown	38.4
998B31	yellow	olivedrab	48.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.197
Mean Local Roughness	0.016
Roughness Uniformity	0.016
Edge Density	0.019
Mean Gradient Magnitude	0.121
Gradient Variance	0.041
Gradient Smoothness	0.0
Directional Coherence	0.015
Pattern Complexity	0.133
Pattern Repetition	1.0
Detail Frequency Ratio	0.596
Spatial Variation	0.128
Texture Consistency	0.46

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.516
Brightness Variance	0.197
Brightness Uniformity	0.619
Brightness Skewness	-0.608
Brightness Entropy	6.831
Rms Contrast	0.197
Michelson Contrast	1.0
Weber Contrast	0.592
Mean Local Contrast	0.016
Contrast Uniformity	0.0
Dynamic Range	0.941
Effective Dynamic Range	0.624
Shadow Percentage	14.692
Midtone Percentage	43.763
Highlight Percentage	41.545
Shadow Clipping	0.034
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.009
Medium Contrast	0.02
Coarse Contrast	0.033
Multiscale Contrast Ratio	0.286
Edge Contrast	0.121
Contrast Clustering	0.54

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.77
Color Clustering	0.687
Color Transition Smoothness	0.679
Transition Uniformity	0.693
Sharp Transition Ratio	0.1
Transition Directionality	0.018
Mean Saturation	0.305
Saturation Variance	0.018
Low Saturation Ratio	0.53
Medium Saturation Ratio	0.44
High Saturation Ratio	0.03
Saturation Clustering	0.998
Hue Concentration	0.564
Complementary Balance	0.044
Analogous Dominance	0.604
Temperature Bias	0.242

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# Minor No. 2 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1085.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)

dea26c7a68bc402a57c87e0c45e33821ee052c82bb1faacd25b40ec318c84fd6

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