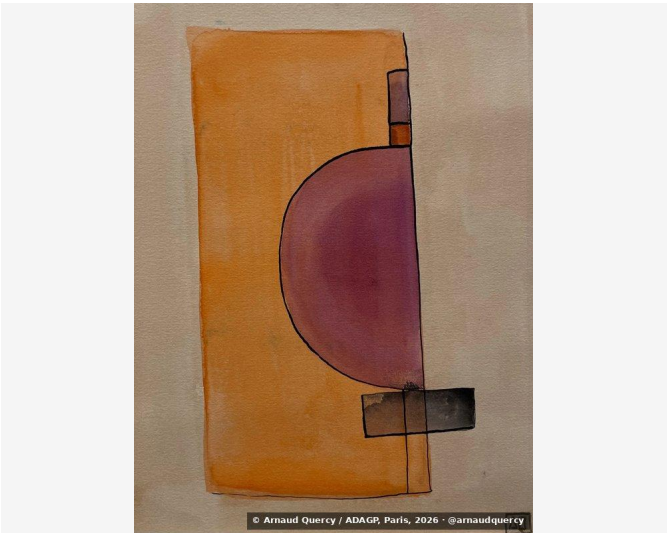


Nanopublication – Computational Image Analysis – AQC1072

by Arnaud Quercy · Watercolor Study in D Minor No. 3 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1072

Analysis record: Watercolor Study in D Minor No. 3 (AQC1072) ^[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: 1750x2333 pixels. Analysis date: 2026-07-13.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		9E8973	22.3	orange	gray
2		A46324	15.7	orange	burnt sienna
3		AC9883	14.1	orange	rosybrown
4		917B65	13.8	orange	grey
5		B17134	12.7	orange	burnt sienna
6		6D2F34	7.9	red-orange	russet
7		7F433F	6.4	red-orange	burnt sienna
8		9A520D	4.2	orange	russet
9		443025	1.5	orange	darkslategray
10		130806	1.4	black	black

Color Families:

Family	%
orange	84.3
red-orange	14.3
black	1.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.118
Mean Local Roughness	0.015
Roughness Uniformity	0.009
Edge Density	0.008
Mean Gradient Magnitude	0.11
Gradient Variance	0.015
Gradient Smoothness	0.0
Directional Coherence	0.006
Pattern Complexity	0.138
Pattern Repetition	1.0
Detail Frequency Ratio	0.623
Spatial Variation	0.081
Texture Consistency	0.623

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.472
Brightness Variance	0.118
Brightness Uniformity	0.75
Brightness Skewness	-1.157
Brightness Entropy	6.703
Rms Contrast	0.118
Michelson Contrast	1.0
Weber Contrast	0.513
Mean Local Contrast	0.015
Contrast Uniformity	0.308
Dynamic Range	0.773
Effective Dynamic Range	0.369
Shadow Percentage	14.678
Midtone Percentage	84.925
Highlight Percentage	0.397
Shadow Clipping	0.004
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.009
Medium Contrast	0.018
Coarse Contrast	0.026
Multiscale Contrast Ratio	0.346
Edge Contrast	0.11
Contrast Clustering	0.377

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.73
Color Clustering	0.491
Color Transition Smoothness	0.712
Transition Uniformity	0.889
Sharp Transition Ratio	0.1
Transition Directionality	0.004
Mean Saturation	0.481
Saturation Variance	0.056
Low Saturation Ratio	0.427
Medium Saturation Ratio	0.297
High Saturation Ratio	0.276
Saturation Clustering	0.999
Hue Concentration	0.979
Complementary Balance	0.0
Analogous Dominance	0.999
Temperature Bias	0.999

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 D Minor No. 3 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1072.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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