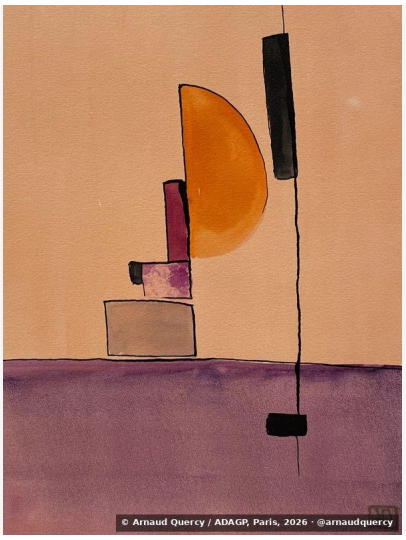
AQC1077 | NAN-COL000525

Nanopublication — Computational Image Analysis - AQC1047

par Arnaud Quercy · Étude à l'aquarelle en Si bémol majeur n° 2 · 2026



AFFIRMATION 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1047

Analysis record [1]: Sometimes Ago (AQC1047) [2] by Arnaud Quercy [3]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-07-05.

CONTEXTE

Analysis performed according to MMIDS-CMP-2025 [6] 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]: 3024x4032 pixels. Analysis date: 2026-07-05.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		F39773	16.1	orange	darksalmon
2		4E514D	14.9	gray	darkslategray
3		C79B92	13.1	red-orange	rosybrown
4		CB5547	12.8	red-orange	indianred
5		778790	9.2	blue	lightslategray
6		BA1F16	9.1	red-orange	firebrick
7		E84820	8.1	red-orange	orangered
8		EEBC97	6.2	orange	burlywood
9		854F3B	5.4	orange	burnt sienna
10		190E08	5.1	orange	black
11		F3F0E7	0.3	yellow	white [Accent]
12		BF985A	0.3	yellow-orange	ochre [Accent]

Color Families:

Family	%
red-orange	43.0
orange	32.9
gray	14.9
blue	9.2
yellow	0.3
yellow-orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
F3F0E7	yellow	white	5.1
BF985A	yellow-orange	ochre	38.6

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.187
Mean Local Roughness	0.016
Roughness Uniformity	0.013
Edge Density	0.015
Mean Gradient Magnitude	0.1
Gradient Variance	0.017
Gradient Smoothness	0.0
Directional Coherence	0.015
Pattern Complexity	0.128
Pattern Repetition	1.0
Detail Frequency Ratio	0.656
Spatial Variation	0.096
Texture Consistency	0.551

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.487
Brightness Variance	0.187
Brightness Uniformity	0.616
Brightness Skewness	-0.258
Brightness Entropy	7.312
Rms Contrast	0.187
Michelson Contrast	1.0
Weber Contrast	0.615
Mean Local Contrast	0.014
Contrast Uniformity	0.112
Dynamic Range	1.0
Effective Dynamic Range	0.612
Shadow Percentage	22.571
Midtone Percentage	52.469
Highlight Percentage	24.96
Shadow Clipping	0.0
Highlight Clipping	0.002
Tonal Balance	0.068
Fine Contrast	0.011
Medium Contrast	0.018
Coarse Contrast	0.021
Multiscale Contrast Ratio	0.547
Edge Contrast	0.1
Contrast Clustering	0.449

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.761
Color Clustering	0.382
Color Transition Smoothness	0.753
Transition Uniformity	0.895
Sharp Transition Ratio	0.1
Transition Directionality	0.016
Mean Saturation	0.477
Saturation Variance	0.072
Low Saturation Ratio	0.327
Medium Saturation Ratio	0.454
High Saturation Ratio	0.219
Saturation Clustering	0.999
Hue Concentration	0.94
Complementary Balance	0.023
Analogous Dominance	0.977
Temperature Bias	0.954

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.

RÉFÉRENCES

[1] Node 17425

[2] Quercy, A. (2026). Sometimes Ago - C Major - Catalogue Raisonné. https://arnaudquercy.art/fr/catalogue-raisonne/AQC1047.html

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

[4] Node 242957

[5] Node 242954

[6] Node 17421

PROFIL ÉPISTÉMIQUE

Type de revendication	computational analysis
Voix	third person
Statut épistémique	empirical measurement
Méthodologie	computational analysis
Certitude	high

SOMME DE CONTRÔLE (SHA-256)

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