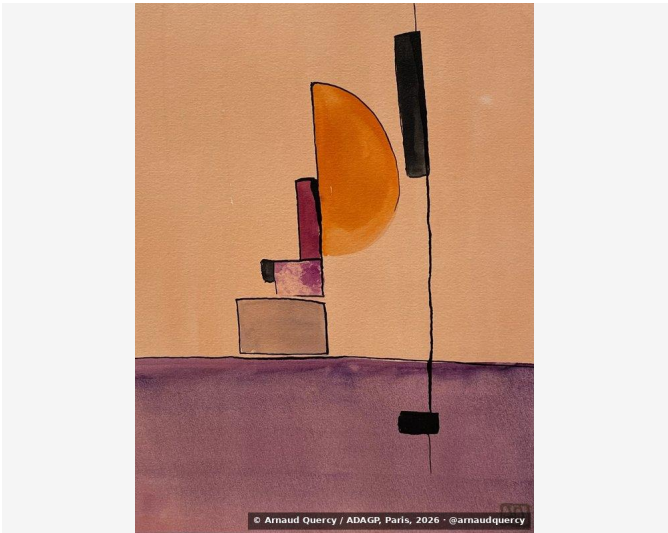


Nanopublication – Computational Image Analysis – AQC1077

by Arnaud Quercy · Watercolor Study in Bb Major No. 2 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1077

The artwork Watercolor Study in Bb Major No. 2 (AQC1077) ^[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: 1513x2017 pixels. Analysis date: 2026-07-13.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D1996F	26.0	orange	darksalmon
2		CA9167	18.7	orange	ochre
3		8D5B62	14.3	red	dimgray
4		D8A177	11.2	orange	burlywood
5		7E4C56	10.9	red	dimgrey
6		A16C67	7.2	red-orange	gray
7		C45B05	4.1	orange	chocolate
8		170D0C	3.5	black	black
9		663140	3.0	red	russet
10		D17623	1.1	orange	peru
11		411832	0.3	red-violet	very dark purple [Accent]

Color Families:

Family	%
orange	61.1
red	28.2
red-orange	7.2
black	3.5
red-violet	0.3

Accent Colors:

Hex	Family	Name	Chroma
411832	red-violet	very dark purple	24.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.152
Mean Local Roughness	0.02
Roughness Uniformity	0.016
Edge Density	0.057
Mean Gradient Magnitude	0.146
Gradient Variance	0.037
Gradient Smoothness	0.0
Directional Coherence	0.008
Pattern Complexity	0.138
Pattern Repetition	1.0
Detail Frequency Ratio	0.632
Spatial Variation	0.089
Texture Consistency	0.325

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.529
Brightness Variance	0.152
Brightness Uniformity	0.713
Brightness Skewness	-1.155
Brightness Entropy	6.467
Rms Contrast	0.152
Michelson Contrast	1.0
Weber Contrast	0.471
Mean Local Contrast	0.02
Contrast Uniformity	0.112
Dynamic Range	0.875
Effective Dynamic Range	0.412
Shadow Percentage	7.855
Midtone Percentage	80.4
Highlight Percentage	11.745
Shadow Clipping	0.001
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.012
Medium Contrast	0.025
Coarse Contrast	0.034
Multiscale Contrast Ratio	0.347
Edge Contrast	0.146
Contrast Clustering	0.675

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.757
Color Clustering	0.435
Color Transition Smoothness	0.624
Transition Uniformity	0.726
Sharp Transition Ratio	0.1
Transition Directionality	0.006
Mean Saturation	0.468
Saturation Variance	0.02
Low Saturation Ratio	0.017
Medium Saturation Ratio	0.915
High Saturation Ratio	0.068
Saturation Clustering	0.999
Hue Concentration	0.958
Complementary Balance	0.0
Analogous Dominance	0.999
Temperature Bias	1.0

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 Bb Major No. 2 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1077.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)

a13867284d4e986ee6940f559d4fe5e508fe6122f3cbc36a11cdaa5d8073e705

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