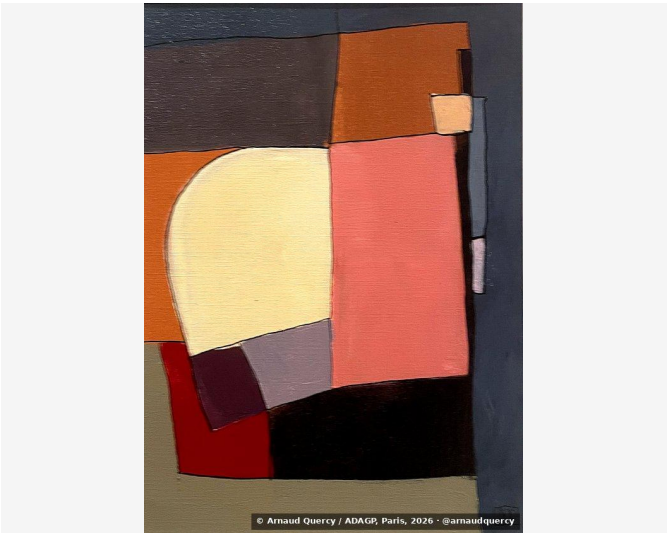


AQC1138

Nanopublication – Computational Image Analysis – AQC1138

by Arnaud Quercy · Ab7#11 - Research on Harmony - Variations 4 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1138

The artwork Ab7#11 - Research on Harmony - Variations 4 (AQC1138) [1] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-10-02. 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: 1991x2793 pixels. Analysis date: 2026-10-02.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D4C8B6	26.4	yellow-orange	silver
2		BAA88C	17.2	yellow-orange	rosybrown
3		C7B9A4	15.1	yellow-orange	tan
4		383337	13.3	gray	dusty mauve
5		AA584D	7.1	red-orange	burnt sienna
6		65594B	6.9	yellow-orange	dimgray
7		160C0A	5.0	black	black
8		844423	4.4	orange	russet
9		987E69	3.1	orange	gray
10		600407	1.6	red-orange	very dark red

Color Families:

Family	%
yellow-orange	65.6
gray	13.3
red-orange	8.6
orange	7.5
black	5.0

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.244
Mean Local Roughness	0.015
Roughness Uniformity	0.009
Edge Density	0.018
Mean Gradient Magnitude	0.095
Gradient Variance	0.011
Gradient Smoothness	0.0
Directional Coherence	0.012
Pattern Complexity	0.141
Pattern Repetition	1.0
Detail Frequency Ratio	0.649
Spatial Variation	0.117
Texture Consistency	0.767

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.554
Brightness Variance	0.244
Brightness Uniformity	0.56
Brightness Skewness	-0.638
Brightness Entropy	7.165
Rms Contrast	0.244
Michelson Contrast	1.0
Weber Contrast	0.754
Mean Local Contrast	0.014
Contrast Uniformity	0.308
Dynamic Range	0.996
Effective Dynamic Range	0.69
Shadow Percentage	23.6
Midtone Percentage	24.043
Highlight Percentage	52.357
Shadow Clipping	0.002
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.011
Medium Contrast	0.018
Coarse Contrast	0.02
Multiscale Contrast Ratio	0.561
Edge Contrast	0.095
Contrast Clustering	0.233

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.769
Color Clustering	0.797
Color Transition Smoothness	0.755
Transition Uniformity	0.924
Sharp Transition Ratio	0.1
Transition Directionality	0.011
Mean Saturation	0.272
Saturation Variance	0.04
Low Saturation Ratio	0.705
Medium Saturation Ratio	0.232
High Saturation Ratio	0.063
Saturation Clustering	0.999
Hue Concentration	0.933
Complementary Balance	0.013
Analogous Dominance	0.98
Temperature Bias	0.966

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). Ab7#11 - Research on Harmony - Variations 4 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1138.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/2025/11/ids-cmp-2025-computational-image-analysis-standard-5dq9.html>

WHERE THIS WORK LIVES

Collection: Harmonic Crossing

DOCUMENTED AT

Catalogue Raisonné – Ab7#11 – Research on Harmony – Variations 4 – Ab7#11 – Research on Harmony – Variations 4 – Arnaud Quercy (2026)

Gallery – Ab7#11 – Research on Harmony – Variations 4

EPISTEMIC PROFILE

Claim type	computational analysis
Voice	third person
Epistemic status	empirical measurement
Methodology	computational analysis
Certainty	high

CHECKSUM (SHA-256)

f737b7296f73f6a43b4b53eeb7d698076baa1b81a11b2121801213ae94a2ec2d

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