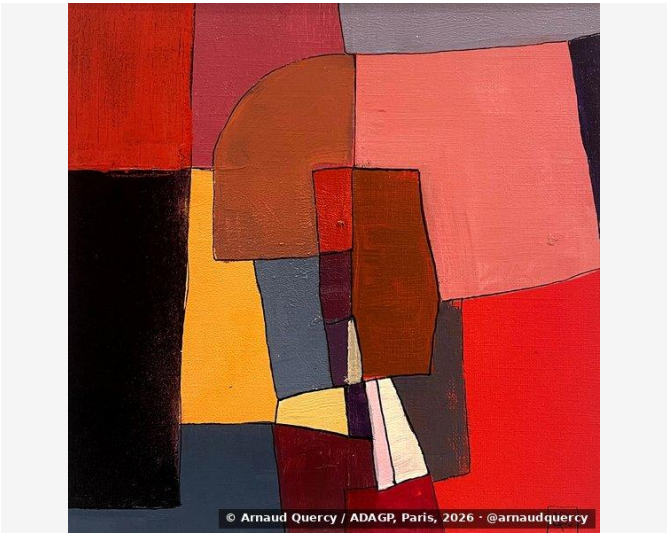


AQC1133

Nanopublication – Computational Image Analysis – AQC1133

by Arnaud Quercy · C Major – Research on Harmony – Variations 22 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1133

The artwork C Major – Research on Harmony – Variations 22 (AQC1133) [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: 3024x4032 pixels. Analysis date: 2026-10-02.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		C4BBAD	36.6	yellow-orange	silver
2		B6ADA0	17.1	yellow-orange	steel gray
3		74271A	9.4	red-orange	russet
4		E2DFD3	7.6	yellow	gainsboro
5		AB544D	6.7	red-orange	burnt sienna
6		A11B18	6.1	red-orange	firebrick
7		100606	6.0	black	black
8		34242A	5.7	red	very dark gray
9		645A5F	2.4	red	dusty mauve
10		C57A27	2.4	orange	chocolate
11		3E434D	0.3	blue-violet	grayish purple [Accent]

Color Families:

Family	%
yellow-orange	53.6
red-orange	22.3
red	8.2
yellow	7.6
black	6.0
orange	2.4
blue-violet	0.3

Accent Colors:

Hex	Family	Name	Chroma
3E434D	blue-violet	grayish purple	7.0

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.256
Mean Local Roughness	0.016
Roughness Uniformity	0.013
Edge Density	0.029
Mean Gradient Magnitude	0.106
Gradient Variance	0.023
Gradient Smoothness	0.0
Directional Coherence	0.014
Pattern Complexity	0.137
Pattern Repetition	1.0
Detail Frequency Ratio	0.643
Spatial Variation	0.184
Texture Consistency	0.569

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.555
Brightness Variance	0.256
Brightness Uniformity	0.539
Brightness Skewness	-0.695
Brightness Entropy	6.985
Rms Contrast	0.256
Michelson Contrast	1.0
Weber Contrast	0.777
Mean Local Contrast	0.016
Contrast Uniformity	0.051
Dynamic Range	0.996
Effective Dynamic Range	0.812
Shadow Percentage	27.789
Midtone Percentage	13.232
Highlight Percentage	58.979
Shadow Clipping	0.021
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.011
Medium Contrast	0.019
Coarse Contrast	0.025
Multiscale Contrast Ratio	0.457
Edge Contrast	0.106
Contrast Clustering	0.431

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.791
Color Clustering	0.732
Color Transition Smoothness	0.735
Transition Uniformity	0.84
Sharp Transition Ratio	0.1
Transition Directionality	0.016
Mean Saturation	0.315
Saturation Variance	0.089
Low Saturation Ratio	0.667
Medium Saturation Ratio	0.152
High Saturation Ratio	0.181
Saturation Clustering	0.998
Hue Concentration	0.878
Complementary Balance	0.039
Analogous Dominance	0.934
Temperature Bias	0.891

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). C Major - Research on Harmony - Variations 22 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1133.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

Series: C Major
Collection: Harmonic Crossing

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

7aa379cd460b0fc7996b8c67180670240061daea5f21c8cebc2b608b4a648e69

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