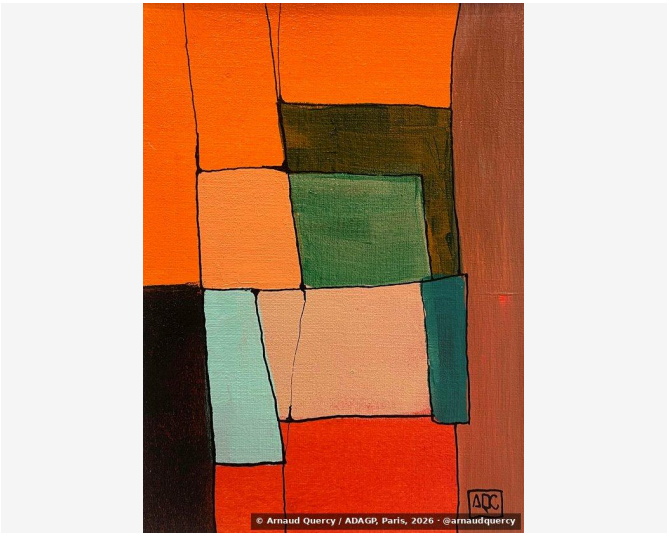


AQC1103

Nanopublication – Computational Image Analysis – AQC1103

by Arnaud Quercy · D7 - Research on Harmony - Variations 1 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1103

K-means clustering (10 colors) performed on artwork D7 - Research on Harmony - Variations 1 (AQC1103) [1] by Arnaud Quercy [2] on 2026-10-02, according to IDS-CMP-2025 [3]. Documentation includes: color families, texture roughness, brightness distribution, spatial coherence.

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: 2071x2886 pixels. Analysis date: 2026-10-02.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		C4BCAF	33.0	yellow-orange	silver
2		B7AFA1	12.7	yellow-orange	steel gray
3		C25308	11.1	orange	chocolate
4		7D442F	9.2	orange	russet
5		2C2213	7.8	yellow-orange	very dark gray
6		B3754E	6.7	orange	peru
7		AC3112	6.2	red-orange	firebrick
8		D3CCC0	5.1	yellow-orange	lightgray
9		3F5439	5.1	yellow-green	darkslategray
10		7F8D7E	3.2	yellow-green	gray

Color Families:

Family	%
yellow-orange	58.6
orange	26.9
yellow-green	8.3
red-orange	6.2

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.212
Mean Local Roughness	0.017
Roughness Uniformity	0.01
Edge Density	0.038
Mean Gradient Magnitude	0.118
Gradient Variance	0.017
Gradient Smoothness	0.0
Directional Coherence	0.007
Pattern Complexity	0.133
Pattern Repetition	1.0
Detail Frequency Ratio	0.637
Spatial Variation	0.113
Texture Consistency	0.758

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.549
Brightness Variance	0.212
Brightness Uniformity	0.613
Brightness Skewness	-0.503
Brightness Entropy	7.034
Rms Contrast	0.212
Michelson Contrast	1.0
Weber Contrast	0.655
Mean Local Contrast	0.017
Contrast Uniformity	0.332
Dynamic Range	0.969
Effective Dynamic Range	0.624
Shadow Percentage	20.111
Midtone Percentage	30.836
Highlight Percentage	49.052
Shadow Clipping	0.001
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.012
Medium Contrast	0.021
Coarse Contrast	0.028
Multiscale Contrast Ratio	0.415
Edge Contrast	0.118
Contrast Clustering	0.242

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.763
Color Clustering	0.703
Color Transition Smoothness	0.696
Transition Uniformity	0.873
Sharp Transition Ratio	0.1
Transition Directionality	0.008
Mean Saturation	0.378
Saturation Variance	0.108
Low Saturation Ratio	0.564
Medium Saturation Ratio	0.218
High Saturation Ratio	0.217
Saturation Clustering	0.999
Hue Concentration	0.863
Complementary Balance	0.001
Analogous Dominance	0.89
Temperature Bias	0.841

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). D7 - Research on Harmony - Variations 1 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1103.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

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

eba0cefac20bfe45197d84c2983f959c367a58d621882784deefebd7c2dc797f

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Artist

Arnaud Quercy

Date

2026

Collection

Harmonic Crossing

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