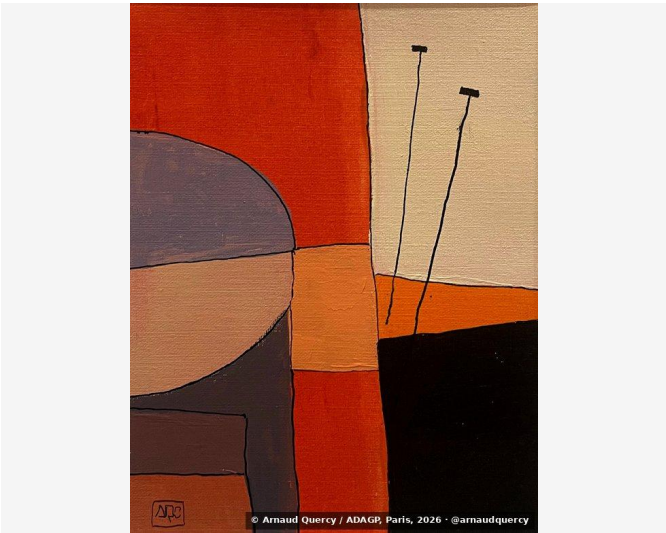


AQC1124

Nanopublication – Computational Image Analysis – AQC1124

by Arnaud Quercy · D Minor 7 – Research on Harmony – Variations 8 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1124

K-means clustering (10 colors) performed on artwork D Minor 7 - Research on Harmony - Variations 8 (AQC1124) [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: 3024x4032 pixels. Analysis date: 2026-10-02.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		B8AB99	25.6	yellow-orange	steel gray
2		AB9C8A	23.5	yellow-orange	rosybrown
3		9F8D78	13.2	yellow-orange	gray
4		972709	10.4	red-orange	russet
5		564740	6.9	orange	dark brown
6		776C5E	5.8	yellow-orange	dimgray
7		110A06	4.4	black	black
8		E0DACE	3.8	yellow-orange	gainsboro
9		A05F38	3.8	orange	burnt sienna
10		3D2825	2.8	red-orange	very dark gray

Color Families:

Family	%
yellow-orange	71.8
red-orange	13.2
orange	10.6
black	4.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.195
Mean Local Roughness	0.018
Roughness Uniformity	0.01
Edge Density	0.041
Mean Gradient Magnitude	0.121
Gradient Variance	0.017
Gradient Smoothness	0.0
Directional Coherence	0.008
Pattern Complexity	0.137
Pattern Repetition	1.0
Detail Frequency Ratio	0.634
Spatial Variation	0.133
Texture Consistency	0.551

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.525
Brightness Variance	0.195
Brightness Uniformity	0.628
Brightness Skewness	-0.79
Brightness Entropy	7.076
Rms Contrast	0.195
Michelson Contrast	1.0
Weber Contrast	0.644
Mean Local Contrast	0.018
Contrast Uniformity	0.357
Dynamic Range	0.996
Effective Dynamic Range	0.565
Shadow Percentage	22.462
Midtone Percentage	54.066
Highlight Percentage	23.473
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.013
Medium Contrast	0.022
Coarse Contrast	0.028
Multiscale Contrast Ratio	0.474
Edge Contrast	0.121
Contrast Clustering	0.449

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.743
Color Clustering	0.699
Color Transition Smoothness	0.694
Transition Uniformity	0.883
Sharp Transition Ratio	0.1
Transition Directionality	0.009
Mean Saturation	0.311
Saturation Variance	0.067
Low Saturation Ratio	0.712
Medium Saturation Ratio	0.153
High Saturation Ratio	0.134
Saturation Clustering	0.999
Hue Concentration	0.977
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). D Minor 7 - Research on Harmony - Variations 8 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1124.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)

22ee21de5af62678128189dff24adfd17e60908f81dc841b8dbddfb40cd60a40

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Artist

Arnaud Quercy

Date

2026

Collection

Harmonic Crossing

Certificate

20261002-0175

Asset code

AQC1124

Version

1

Published

2026-10-02

ISSN: applied for – U.S. ISSN Center, Library of Congress

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Published by Art Quam Anima Publishing New York,
an assumed name of AQA Publishing LLC

c/o Northwest Registered Agent, 418 Broadway Ste N
Albany, NY 12207, USA
+1 917-764-5470

NY DOS ID 7624376 · Assumed Name ID 7658709

publishing.artquamanima.com

Last updated: 2026-10-12

Persistent URI: <https://ideamorphism.org/en/nanopubs/2026/10/AQC1124-computational-image-analysis-aqc1124.pdf>