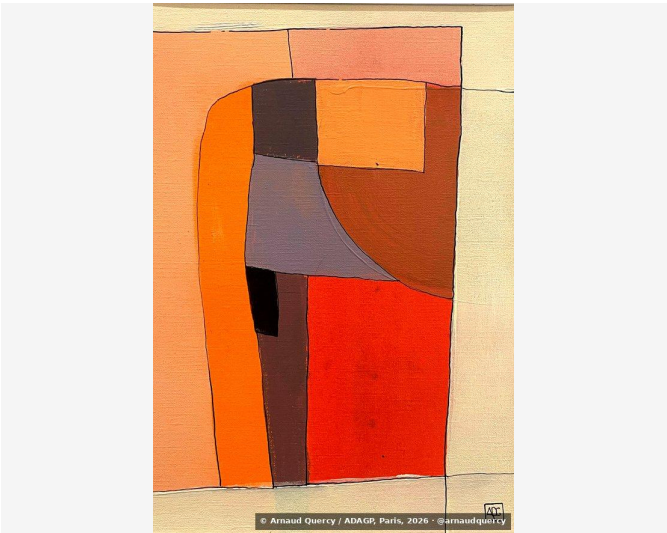


AQC1139

Nanopublication – Computational Image Analysis – AQC1139

by Arnaud Quercy · D Minor 7 – Research on Harmony – Variations 9 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1139

Computational image analysis of artwork D Minor 7 – Research on Harmony – Variations 9 (AQC1139) ^[1] by Arnaud Quercy ^[2], performed according to IDS-CMP-2025 ^[3], using k-means clustering method with 10 color extraction parameters. Analysis includes color distribution, texture metrics, brightness/contrast measurements, and spatial pattern characterization. Analysis completed on 2026-10-02.

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		BCB4A4	27.2	yellow-orange	steel gray
2		998E7A	16.2	yellow-orange	gray
3		ACA291	15.0	yellow-orange	rosybrown
4		A26441	10.7	orange	burnt sienna
5		8C7C65	8.9	yellow-orange	grey
6		8F230B	6.0	red-orange	russet
7		AF4C04	4.4	orange	russet
8		62514A	4.0	orange	dark brown
9		3A2420	3.9	red-orange	very dark gray
10		6F3821	3.7	orange	russet
11		160101	0.3	red	black [Accent]

Color Families:

Family	%
yellow-orange	67.3
orange	22.8
red-orange	9.9
red	0.3

Accent Colors:

Hex	Family	Name	Chroma
160101	red	black	8.2

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.164
Mean Local Roughness	0.018
Roughness Uniformity	0.009
Edge Density	0.035
Mean Gradient Magnitude	0.117
Gradient Variance	0.015
Gradient Smoothness	0.0
Directional Coherence	0.006
Pattern Complexity	0.138
Pattern Repetition	1.0
Detail Frequency Ratio	0.657
Spatial Variation	0.132
Texture Consistency	0.74

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.536
Brightness Variance	0.164
Brightness Uniformity	0.693
Brightness Skewness	-0.685
Brightness Entropy	7.07
Rms Contrast	0.164
Michelson Contrast	0.992
Weber Contrast	0.623
Mean Local Contrast	0.018
Contrast Uniformity	0.344
Dynamic Range	0.988
Effective Dynamic Range	0.498
Shadow Percentage	15.67
Midtone Percentage	54.389
Highlight Percentage	29.941
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.013
Medium Contrast	0.021
Coarse Contrast	0.026
Multiscale Contrast Ratio	0.504
Edge Contrast	0.117
Contrast Clustering	0.26

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.755
Color Clustering	0.462
Color Transition Smoothness	0.703
Transition Uniformity	0.889
Sharp Transition Ratio	0.1
Transition Directionality	0.006
Mean Saturation	0.332
Saturation Variance	0.075
Low Saturation Ratio	0.688
Medium Saturation Ratio	0.167
High Saturation Ratio	0.145
Saturation Clustering	1.0
Hue Concentration	0.982
Complementary Balance	0.0
Analogous Dominance	1.0
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 9 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1139.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)

84e0256e85a097d9a259c2b39ef02d25cfa472c1a2e5d81812c26983dedc42fc

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