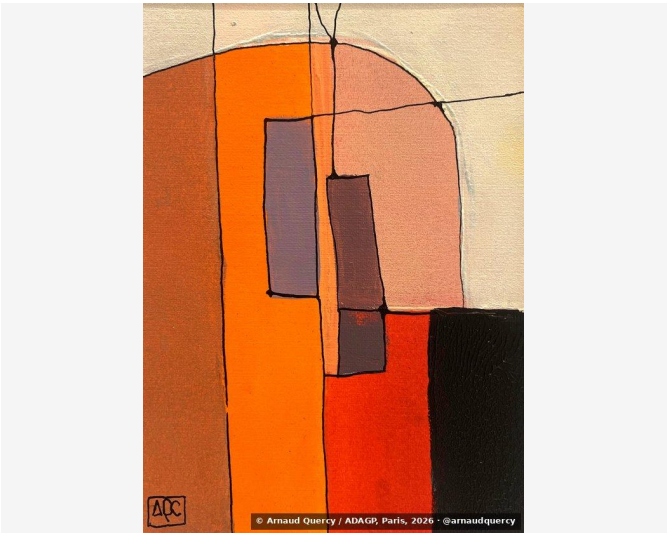


AQC1109

Nanopublication – Computational Image Analysis – AQC1109

by Arnaud Quercy · D Minor 7 – Research on Harmony – Variations 2 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1109

Computational image analysis of artwork D Minor 7 – Research on Harmony – Variations 2 (AQC1109) ^[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		C9BFB1	39.4	yellow-orange	silver
2		8E4928	11.1	orange	burnt sienna
3		C95803	10.5	orange	chocolate
4		B1A088	8.3	yellow-orange	rosybrown
5		AF7253	7.9	orange	indianred
6		231C18	7.4	gray	very dark gray
7		A72A0F	5.2	red-orange	firebrick
8		9E8D77	4.8	yellow-orange	gray
9		6E5352	3.0	red-orange	dimgray
10		583832	2.5	red-orange	dark brown

Color Families:

Family	%
yellow-orange	52.4
orange	29.5
red-orange	10.7
gray	7.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.21
Mean Local Roughness	0.013
Roughness Uniformity	0.009
Edge Density	0.017
Mean Gradient Magnitude	0.092
Gradient Variance	0.013
Gradient Smoothness	0.0
Directional Coherence	0.023
Pattern Complexity	0.136
Pattern Repetition	1.0
Detail Frequency Ratio	0.618
Spatial Variation	0.119
Texture Consistency	0.573

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.545
Brightness Variance	0.21
Brightness Uniformity	0.615
Brightness Skewness	-0.472
Brightness Entropy	7.0
Rms Contrast	0.21
Michelson Contrast	0.992
Weber Contrast	0.638
Mean Local Contrast	0.013
Contrast Uniformity	0.216
Dynamic Range	0.992
Effective Dynamic Range	0.647
Shadow Percentage	16.587
Midtone Percentage	42.537
Highlight Percentage	40.876
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.009
Medium Contrast	0.016
Coarse Contrast	0.022
Multiscale Contrast Ratio	0.399
Edge Contrast	0.092
Contrast Clustering	0.427

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.795
Color Clustering	0.53
Color Transition Smoothness	0.759
Transition Uniformity	0.899
Sharp Transition Ratio	0.1
Transition Directionality	0.023
Mean Saturation	0.388
Saturation Variance	0.103
Low Saturation Ratio	0.597
Medium Saturation Ratio	0.153
High Saturation Ratio	0.25
Saturation Clustering	1.0
Hue Concentration	0.985
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 2 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1109.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)

7bdce217535bfa6d7eb4148530847e538b16cf13d3ed0cb14de35a4792ee5808

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Artist	Arnaud Quercy
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