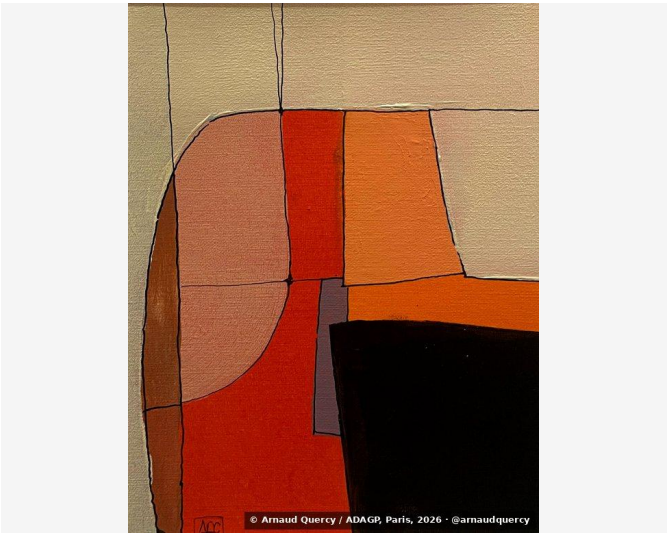


AQC1122

Nanopublication – Computational Image Analysis – AQC1122

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



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1122

Computational image analysis of artwork D Minor 7 – Research on Harmony – Variations 7 (AQC1122) ^[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		B6A997	24.5	yellow-orange	steel gray
2		978976	20.4	yellow-orange	gray
3		A69887	19.8	yellow-orange	rosybrown
4		90795C	7.2	yellow-orange	grey
5		9C5733	6.3	orange	burnt sienna
6		932404	6.1	red-orange	darkred
7		100906	6.1	black	black
8		DCD7CA	3.7	yellow	lightgray
9		6C5F4D	3.5	yellow-orange	dimgray
10		603522	2.4	orange	russet

Color Families:

Family	%
yellow-orange	75.3
orange	8.7
red-orange	6.1
black	6.1
yellow	3.7

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.182
Mean Local Roughness	0.019
Roughness Uniformity	0.009
Edge Density	0.057
Mean Gradient Magnitude	0.128
Gradient Variance	0.017
Gradient Smoothness	0.0
Directional Coherence	0.01
Pattern Complexity	0.136
Pattern Repetition	1.0
Detail Frequency Ratio	0.632
Spatial Variation	0.122
Texture Consistency	0.451

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.527
Brightness Variance	0.182
Brightness Uniformity	0.655
Brightness Skewness	-1.115
Brightness Entropy	7.032
Rms Contrast	0.182
Michelson Contrast	1.0
Weber Contrast	0.646
Mean Local Contrast	0.019
Contrast Uniformity	0.383
Dynamic Range	0.992
Effective Dynamic Range	0.655
Shadow Percentage	14.223
Midtone Percentage	66.688
Highlight Percentage	19.089
Shadow Clipping	0.001
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.014
Medium Contrast	0.022
Coarse Contrast	0.03
Multiscale Contrast Ratio	0.459
Edge Contrast	0.128
Contrast Clustering	0.549

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.748
Color Clustering	0.657
Color Transition Smoothness	0.678
Transition Uniformity	0.878
Sharp Transition Ratio	0.1
Transition Directionality	0.01
Mean Saturation	0.312
Saturation Variance	0.06
Low Saturation Ratio	0.673
Medium Saturation Ratio	0.21
High Saturation Ratio	0.117
Saturation Clustering	0.999
Hue Concentration	0.983
Complementary Balance	0.0
Analogous Dominance	0.998
Temperature Bias	0.997

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 7 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1122.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)

551c105e3177a15e151a6a467ddb10030be93124fb40d3d0eef9a58011a07ea0

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