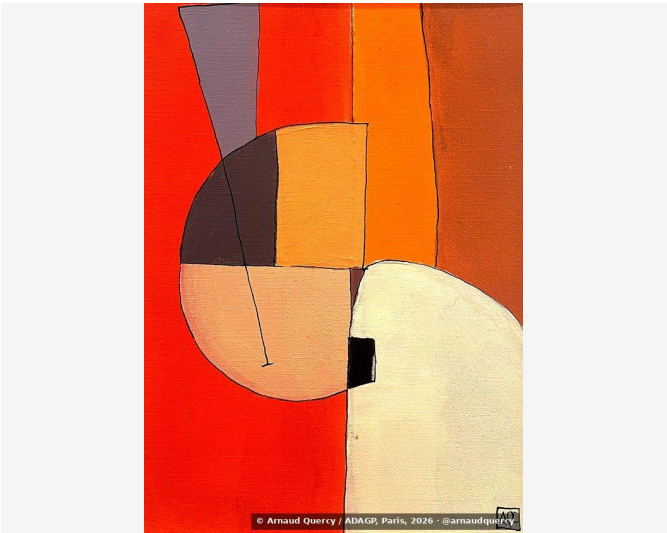


AQC1140

Nanopublication – Computational Image Analysis – AQC1140

by Arnaud Quercy · D Minor 7 – Research on Harmony – Variations 10 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1140

Computational image analysis of artwork D Minor 7 – Research on Harmony – Variations 10 (AQC1140) ^[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		BCB1A1	29.8	yellow-orange	steel gray
2		AC9E8D	15.7	yellow-orange	rosybrown
3		9D8D78	14.8	yellow-orange	gray
4		92220C	12.7	red-orange	russet
5		8E6C52	7.0	orange	dimgray
6		763C24	6.9	orange	russet
7		B64C05	4.0	orange	russet
8		634F4A	3.4	red-orange	dimgrey
9		34221F	3.1	red-orange	very dark gray
10		B2602C	2.6	orange	burnt sienna

Color Families:

Family	%
yellow-orange	60.3
orange	20.5
red-orange	19.2

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.178
Mean Local Roughness	0.02
Roughness Uniformity	0.013
Edge Density	0.058
Mean Gradient Magnitude	0.133
Gradient Variance	0.021
Gradient Smoothness	0.0
Directional Coherence	0.004
Pattern Complexity	0.138
Pattern Repetition	1.0
Detail Frequency Ratio	0.666
Spatial Variation	0.113
Texture Consistency	0.714

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.52
Brightness Variance	0.178
Brightness Uniformity	0.657
Brightness Skewness	-0.562
Brightness Entropy	7.026
Rms Contrast	0.178
Michelson Contrast	1.0
Weber Contrast	0.646
Mean Local Contrast	0.02
Contrast Uniformity	0.292
Dynamic Range	0.988
Effective Dynamic Range	0.498
Shadow Percentage	23.359
Midtone Percentage	46.393
Highlight Percentage	30.248
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.014
Medium Contrast	0.024
Coarse Contrast	0.028
Multiscale Contrast Ratio	0.513
Edge Contrast	0.133
Contrast Clustering	0.286

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.757
Color Clustering	0.513
Color Transition Smoothness	0.667
Transition Uniformity	0.852
Sharp Transition Ratio	0.1
Transition Directionality	0.003
Mean Saturation	0.379
Saturation Variance	0.093
Low Saturation Ratio	0.63
Medium Saturation Ratio	0.14
High Saturation Ratio	0.23
Saturation Clustering	0.999
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 10 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1140.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)

cbb124eab3836abab31888d9c6cfeca0483ef8291e7c2e316b0f260a49596fa4

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