

AQC1110

Nanopublication – Computational Image Analysis – AQC1110

by Arnaud Quercy · D Minor 7 – Research on Harmony – Variations 3 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1110

Analysis record: D Minor 7 – Research on Harmony – Variations 3 (AQC1110) ^[1] by Arnaud Quercy ^[2], per IDS-CMP-2025 ^[3]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 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		A9A094	25.3	yellow-orange	steel gray
2		B3AB9D	19.6	yellow-orange	steel gray
3		9C9388	14.9	yellow-orange	rosybrown
4		91816E	10.1	yellow-orange	gray
5		9C2A0A	6.9	red-orange	russet
6		A3653B	5.6	orange	burnt sienna
7		D6D1C6	5.3	yellow-orange	lightgray
8		B14D05	5.0	orange	russet
9		1E130F	4.4	orange	black
10		543936	3.0	red-orange	darkslategray

Color Families:

Family	%
yellow-orange	75.1
orange	15.0
red-orange	9.9

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.168
Mean Local Roughness	0.015
Roughness Uniformity	0.009
Edge Density	0.009
Mean Gradient Magnitude	0.095
Gradient Variance	0.011
Gradient Smoothness	0.0
Directional Coherence	0.011
Pattern Complexity	0.139
Pattern Repetition	1.0
Detail Frequency Ratio	0.641
Spatial Variation	0.12
Texture Consistency	0.293

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.552
Brightness Variance	0.168
Brightness Uniformity	0.695
Brightness Skewness	-1.099
Brightness Entropy	6.899
Rms Contrast	0.168
Michelson Contrast	1.0
Weber Contrast	0.583
Mean Local Contrast	0.013
Contrast Uniformity	0.316
Dynamic Range	0.992
Effective Dynamic Range	0.545
Shadow Percentage	13.892
Midtone Percentage	66.35
Highlight Percentage	19.758
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.01
Medium Contrast	0.017
Coarse Contrast	0.021
Multiscale Contrast Ratio	0.486
Edge Contrast	0.095
Contrast Clustering	0.707

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.76
Color Clustering	0.645
Color Transition Smoothness	0.758
Transition Uniformity	0.915
Sharp Transition Ratio	0.1
Transition Directionality	0.011
Mean Saturation	0.282
Saturation Variance	0.083
Low Saturation Ratio	0.762
Medium Saturation Ratio	0.092
High Saturation Ratio	0.146
Saturation Clustering	1.0
Hue Concentration	0.984
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 3 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1110.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)

ca11a24b89c596037fb05f402c48af74debbeeeebdf5b8bf499031925bcfebf5

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Artist

Arnaud Quercy

Date

2026

Collection

Harmonic Crossing

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