AQC0959

Nanopublication — Computational Image Analysis - AQC0959

by Arnaud Quercy · A Minor M7 - Research on Harmony · 2026

Claim 1: Computational Image Analysis - AQC0959

> The artwork A Minor [1] M7 - Research on Harmony (AQC0959) [2] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-03-05. Method: k-means clustering with 10 colors extracted. Metrics documented: color distribution, texture analysis, brightness/contrast, spatial patterns.

CONTEXT

Analysis performed according to MMIDS-CMP-2025 [3] includes four metric categories: (1) Color distribution via k-means (10 colors), (2) Texture analysis using Haralick features, (3) Brightness and contrast measurements, (4) Spatial pattern characterization. Source image [5]: 1846x2769 pixels. Analysis date: 2026-03-05.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		3F6EA3	13.9	blue-violet	grayish purple
2		B8BBBA	13.8	gray	silver
3		1E1F1D	12.7	gray	very dark gray
4		E7BD2A	12.4	yellow-orange	goldenrod
5		A4A7A8	12.0	gray	steel gray
6		E4DEBE	9.8	yellow	wheat
7		BED22B	8.6	yellow	yellowgreen
8		303334	8.1	gray	darkslategray
9		E9C080	5.6	yellow-orange	burlywood
10		4C5253	3.2	gray	darkslategrey
11		BBCB50	0.3	yellow-green	ochre [Accent]
12		6E95B3	0.3	blue	cadetblue [Accent]

Color Families:

Family	%
gray	49.8
yellow	18.4
yellow-orange	18.0
blue-violet	13.9
yellow-green	0.3
blue	0.3

Accent Colors:

Hex	Family	Name	Chroma
BBCB50	yellow-green	ochre	62.0
6E95B3	blue	cadetblue	20.9

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.254
Mean Local Roughness	0.026
Roughness Uniformity	0.022
Edge Density	0.128
Mean Gradient Magnitude	0.21
Gradient Variance	0.059
Gradient Smoothness	0.0
Directional Coherence	0.001
Pattern Complexity	0.12
Pattern Repetition	1.0
Detail Frequency Ratio	0.645
Spatial Variation	0.178
Texture Consistency	0.62

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.558
Brightness Variance	0.254
Brightness Uniformity	0.544
Brightness Skewness	-0.603
Brightness Entropy	7.301
Rms Contrast	0.254
Michelson Contrast	0.992
Weber Contrast	0.828
Mean Local Contrast	0.029
Contrast Uniformity	0.2
Dynamic Range	0.996
Effective Dynamic Range	0.749
Shadow Percentage	23.36
Midtone Percentage	21.575
Highlight Percentage	55.065
Shadow Clipping	0.0
Highlight Clipping	0.006
Tonal Balance	0.0
Fine Contrast	0.014
Medium Contrast	0.036
Coarse Contrast	0.047
Multiscale Contrast Ratio	0.289
Edge Contrast	0.21
Contrast Clustering	0.38

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.791
Color Clustering	0.594

Metric	Value
Color Transition Smoothness	0.454
Transition Uniformity	0.597
Sharp Transition Ratio	0.1
Transition Directionality	0.002
Mean Saturation	0.351
Saturation Variance	0.095
Low Saturation Ratio	0.563
Medium Saturation Ratio	0.229
High Saturation Ratio	0.209
Saturation Clustering	0.999
Hue Concentration	0.342
Complementary Balance	0.101
Analogous Dominance	0.659
Temperature Bias	0.139

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 Multimodal Institute's computational imaging systems.

REFERENCES

[1] Arnaud Quercy (2026). A Minor M7 - Research on Harmony — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0959.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2026/03/a-minor-m7-research-on-harmony_1yl2.html

[3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 https://multimodal.institute/en/publications/2025/10/mmids-cmp-2025-computational-image-analysis-standard-dg1.html

EPISTEMIC PROFILE

Claim type	computational analysis
Voice	third person
Epistemic status	empirical measurement
Methodology	computational analysis
Certainty	high

CHECKSUM (SHA-256)

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25170ddbd026d-
d9cac54a866ed2e3770579a79e343250c745421a29478f7d837
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Artist	Arnaud Quercy
Date	2026
Collection	Synesthetic Explorations
Certificate	20260305-0011
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