AQC0958

Nanopublication — Computational Image Analysis - AQC0958

by Arnaud Quercy · G Minor - Research on Harmony - Variations 15 · 2026

Claim 1: Computational Image Analysis - AQC0958

> Analysis record [3]: G Minor [1] - Research on Harmony - Variations 15 (AQC0958) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-03-05.

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		C1C4C7	19.8	white	silver
2		DE9B86	14.6	red-orange	darksalmon
3		1D1D26	14.5	violet	very dark gray
4		453B59	14.0	violet	dusty mauve
5		CC8873	12.7	red-orange	rosybrown
6		695A6D	6.3	red-violet	dusty mauve
7		897A85	5.6	red-violet	dusty mauve
8		ECBAA3	5.1	orange	burlywood
9		ABA1A8	4.3	red-violet	steel gray
10		E5DED9	3.2	white	gainsboro

Color Families:

Family	%
violet	28.5
red-orange	27.3
white	23.0
red-violet	16.2
orange	5.1

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.247
Mean Local Roughness	0.034
Roughness Uniformity	0.027
Edge Density	0.198
Mean Gradient Magnitude	0.266
Gradient Variance	0.082
Gradient Smoothness	0.0
Directional Coherence	0.014
Pattern Complexity	0.126
Pattern Repetition	1.0
Detail Frequency Ratio	0.669
Spatial Variation	0.194
Texture Consistency	0.419

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.529
Brightness Variance	0.247
Brightness Uniformity	0.534
Brightness Skewness	-0.499
Brightness Entropy	7.527
Rms Contrast	0.247
Michelson Contrast	1.0
Weber Contrast	0.827
Mean Local Contrast	0.036
Contrast Uniformity	0.21
Dynamic Range	1.0
Effective Dynamic Range	0.722
Shadow Percentage	29.162
Midtone Percentage	31.278
Highlight Percentage	39.561
Shadow Clipping	0.0
Highlight Clipping	0.002
Tonal Balance	0.187
Fine Contrast	0.019
Medium Contrast	0.044
Coarse Contrast	0.057
Multiscale Contrast Ratio	0.327
Edge Contrast	0.266
Contrast Clustering	0.581

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.754
Color Clustering	0.868
Color Transition Smoothness	0.321
Transition Uniformity	0.484
Sharp Transition Ratio	0.1
Transition Directionality	0.012
Mean Saturation	0.249
Saturation Variance	0.024
Low Saturation Ratio	0.524
Medium Saturation Ratio	0.476
High Saturation Ratio	0.0
Saturation Clustering	0.999

Metric	Value
Hue Concentration	0.487
Complementary Balance	0.01
Analogous Dominance	0.565
Temperature Bias	0.495

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). G Minor - Research on Harmony - Variations 15 — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0958.html

[2] Quercy, A. (2026). G Minor - Research on Harmony - Variations 15 - Gallery. https://artquamanima.com/en/artworks/2026/03/g-minor-research-on-harmony-variations-15_1yko.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)

6cb82d20ae484032e29bb51db08d4e86e94622653626085c-ce059ed6da24bbbd

Artist	Arnaud Quercy
Date	2026
Collection	Synesthetic Explorations
Certificate	20260305-0010
Asset code	AQC0958
Version	1
Published	2026-03-25

Published by: Art Quam Anima Publishing New York LLC — publishing.artquamanima.com

Date of publication: 2026-03-27

Persistent URI: https://multimodal.institute/en/nanopubs/2026/03/AQC0958-computational-image-analysis-aqc0958.pdf