AQC0799

Nanopublication — Computational Image Analysis - AQC0799

by Arnaud Quercy · Cycladic Stillness - Fragmants of Silence · 2024

Claim 1: Computational Image Analysis - AQC0799

> Computational image analysis [3] of artwork Cycladic [1] Stillness - Fragmants of Silence (AQC0799) [2] by Arnaud Quercy [2] 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 2026-02-04.

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]: 2074x3112 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		A7AFC1	16.6	blue-violet	steel gray
2		9DA0AE	14.6	blue-violet	steel gray
3		858CA9	12.2	blue-violet	lightslategray
4		777C97	12.0	blue-violet	grayish purple
5		696E86	11.9	violet	dusty mauve
6		8C9EBE	10.7	blue-violet	steel gray
7		B5BFD1	9.9	blue-violet	lightsteelblue
8		6B94A8	5.8	blue	cadetblue
9		515C74	3.5	blue-violet	grayish purple
10		263242	2.7	blue-violet	grayish purple

Color Families:

Family	%
blue-violet	82.3
violet	11.9
blue	5.8

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.125
Mean Local Roughness	0.03
Roughness Uniformity	0.015
Edge Density	0.176
Mean Gradient Magnitude	0.196
Gradient Variance	0.031
Gradient Smoothness	0.109
Directional Coherence	0.013
Pattern Complexity	0.125
Pattern Repetition	1.0
Detail Frequency Ratio	0.653
Spatial Variation	0.083
Texture Consistency	0.577

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.575
Brightness Variance	0.125
Brightness Uniformity	0.783
Brightness Skewness	-0.82
Brightness Entropy	6.902
Rms Contrast	0.125
Michelson Contrast	1.0
Weber Contrast	0.413
Mean Local Contrast	0.028
Contrast Uniformity	0.504
Dynamic Range	0.984
Effective Dynamic Range	0.373
Shadow Percentage	3.547
Midtone Percentage	70.598
Highlight Percentage	25.855
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.021
Medium Contrast	0.035
Coarse Contrast	0.044
Multiscale Contrast Ratio	0.477
Edge Contrast	0.196
Contrast Clustering	0.423

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.743
Color Clustering	0.782
Color Transition Smoothness	0.505
Transition Uniformity	0.794
Sharp Transition Ratio	0.1
Transition Directionality	0.014
Mean Saturation	0.2
Saturation Variance	0.01
Low Saturation Ratio	0.84
Medium Saturation Ratio	0.159
High Saturation Ratio	0.001
Saturation Clustering	1.0
Hue Concentration	0.968

Metric	Value
Complementary Balance	0.0
Analogous Dominance	0.996
Temperature Bias	-0.943

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 (2024). Cycladic Stillness - Fragmants of Silence — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0799.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2024/01/cycladic-stillness-fragmants-of-silence_8uy.html

[3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 https://multimodal.institute/en/publications/2025/11/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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