AQC0961

Nanopublication — Computational Image Analysis - AQC0961

by Arnaud Quercy · Eb7 - Research on Harmony · 2026

Claim 1: Computational Image Analysis - AQC0961

> The artwork Eb7 - Research [1] on Harmony (AQC0961) [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		3C95CB	16.9	blue-violet	steelblue
2		CCC8C1	13.5	white	silver
3		98756F	11.1	red-orange	gray
4		255F99	11.0	blue-violet	grayish purple
5		1A1C21	10.4	gray	very dark gray
6		B0AEAB	9.6	gray	steel gray
7		353639	8.9	gray	dusty mauve
8		53B6E2	8.4	blue	mediumturquoise
9		EAE8DE	5.2	yellow	white
10		5B5957	4.8	gray	dimgray
11		7DD3EA	0.3	blue-green	skyblue [Accent]
12		EBDAAC	0.3	yellow-orange	wheat [Accent]

Color Families:

Family	%
gray	33.8
blue-violet	27.9
white	13.5
red-orange	11.1
blue	8.4
yellow	5.2
blue-green	0.3
yellow-orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
7DD3EA	blue-green	skyblue	27.6
EBDAAC	yellow-orange	wheat	25.0

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.233
Mean Local Roughness	0.043
Roughness Uniformity	0.042
Edge Density	0.189
Mean Gradient Magnitude	0.33
Gradient Variance	0.177
Gradient Smoothness	0.0
Directional Coherence	0.002
Pattern Complexity	0.112
Pattern Repetition	1.0
Detail Frequency Ratio	0.666
Spatial Variation	0.136
Texture Consistency	0.744

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.498
Brightness Variance	0.233
Brightness Uniformity	0.531
Brightness Skewness	-0.093
Brightness Entropy	7.769
Rms Contrast	0.233
Michelson Contrast	1.0
Weber Contrast	0.81
Mean Local Contrast	0.047
Contrast Uniformity	0.044
Dynamic Range	1.0
Effective Dynamic Range	0.753
Shadow Percentage	26.342
Midtone Percentage	46.15
Highlight Percentage	27.508
Shadow Clipping	0.005
Highlight Clipping	0.005
Tonal Balance	0.43
Fine Contrast	0.023
Medium Contrast	0.057
Coarse Contrast	0.072
Multiscale Contrast Ratio	0.32
Edge Contrast	0.33
Contrast Clustering	0.256

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.702
Color Clustering	0.696

Metric	Value
Color Transition Smoothness	0.133
Transition Uniformity	0.0
Sharp Transition Ratio	0.1
Transition Directionality	0.002
Mean Saturation	0.348
Saturation Variance	0.092
Low Saturation Ratio	0.523
Medium Saturation Ratio	0.293
High Saturation Ratio	0.185
Saturation Clustering	0.998
Hue Concentration	0.576
Complementary Balance	0.052
Analogous Dominance	0.783
Temperature Bias	-0.561

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). Eb7 - Research on Harmony — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0961.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2026/03/eb7-research-on-harmony_1ylu.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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