AQC0466

Nanopublication — Computational Image Analysis - AQC0466

by Arnaud Quercy · La plainte de Cybele - Variations 2 · 2023

Claim 1: Computational Image Analysis - AQC0466

> Analysis record [3]: La plainte de Cybele [1] - Variations 2 (AQC0466) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 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]: 510x720 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D5B592	21.5	orange	tan
2		C59A7C	18.5	orange	rosybrown
3		E0CFB0	12.5	yellow-orange	wheat
4		B17961	12.4	orange	indianred
5		5F423D	8.2	red-orange	dark brown
6		80675E	7.6	orange	dimgray
7		8B4A3B	6.9	red-orange	burnt sienna
8		6D1715	6.5	red-orange	maroon
9		3A1F1A	3.2	red-orange	very dark red
10		84ABD3	2.7	blue-violet	skyblue
11		160106	0.3	red	black [Accent]
12		F5F1D1	0.3	yellow	antiquewhite [Accent]

Color Families:

Family	%
orange	60.0
red-orange	24.9
yellow-orange	12.5
blue-violet	2.7
red	0.3
yellow	0.3

Accent Colors:

Hex	Family	Name	Chroma
160106	red	black	8.0
F5F1D1	yellow	antiquewhite	16.5

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.205
Mean Local Roughness	0.041
Roughness Uniformity	0.019
Edge Density	0.258
Mean Gradient Magnitude	0.266
Gradient Variance	0.05
Gradient Smoothness	0.16
Directional Coherence	0.012
Pattern Complexity	0.134
Pattern Repetition	1.0
Detail Frequency Ratio	0.629
Spatial Variation	0.087
Texture Consistency	0.756

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.561
Brightness Variance	0.205
Brightness Uniformity	0.635
Brightness Skewness	-0.53
Brightness Entropy	7.541
Rms Contrast	0.205
Michelson Contrast	1.0
Weber Contrast	0.688
Mean Local Contrast	0.036
Contrast Uniformity	0.541
Dynamic Range	0.988
Effective Dynamic Range	0.639
Shadow Percentage	18.346
Midtone Percentage	41.258
Highlight Percentage	40.396
Shadow Clipping	0.001
Highlight Clipping	0.0
Tonal Balance	0.248
Fine Contrast	0.031
Medium Contrast	0.046
Coarse Contrast	0.059
Multiscale Contrast Ratio	0.523
Edge Contrast	0.266
Contrast Clustering	0.244

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.688
Color Clustering	0.672
Color Transition Smoothness	0.325
Transition Uniformity	0.677
Sharp Transition Ratio	0.1

Metric	Value
Transition Directionality	0.007
Mean Saturation	0.396
Saturation Variance	0.033
Low Saturation Ratio	0.283
Medium Saturation Ratio	0.644
High Saturation Ratio	0.073
Saturation Clustering	0.998
Hue Concentration	0.891
Complementary Balance	0.035
Analogous Dominance	0.947
Temperature Bias	0.928

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 (2023). La plainte de Cybele - Variations 2 — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0466.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2023/01/la-plainte-de-cybele-variations-2_59g.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)

15ac880248158b55a0a478de9e8685638f292658d1c1e1efd86c5c764289b-b51

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