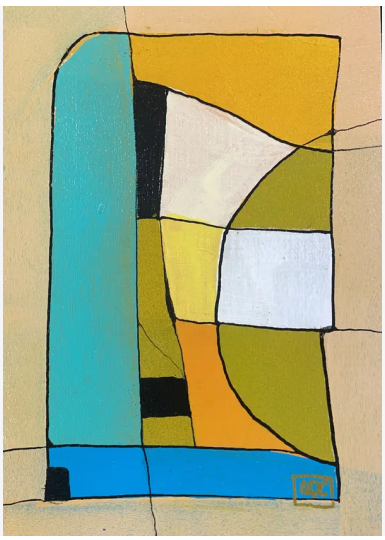
AQC0948

Nanopublication — Computational Image Analysis - AQC0948

by Arnaud Quercy · A Major - Research on Harmony - Variations 10 · 2025



Claim 1: Computational Image Analysis - AQC0948

> Analysis record [3]: A Major [1] - Research on Harmony - Variations 10 (AQC0948) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-01-07.

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]: 1930x2702 pixels. Analysis date: 2026-01-07.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D9C096	21.5	yellow-orange	tan
2		C3B48E	12.6	yellow-orange	burlywood
3		9E9025	11.7	yellow	darkgoldenrod
4		3DB1B5	11.1	blue-green	lightseagreen
5		DDA124	10.8	yellow-orange	goldenrod
6		DFDEDD	10.5	white	gainsboro
7		1E211E	7.0	gray	very dark gray
8		5AA398	6.1	green	cadetblue
9		028BD4	5.8	blue-violet	dodgerblue
10		DFC95C	2.9	yellow	ochre
11		747750	0.3	yellow-green	dimgray [Accent]
12		624628	0.3	orange	dark brown [Accent]
13		074B6A	0.3	blue	grayish purple [Accent]

Color Families:

Family	%
yellow-orange	44.9
yellow	14.5
blue-green	11.1
white	10.5
gray	7.0
green	6.1
blue-violet	5.8
yellow-green	0.3
orange	0.3
blue	0.3

Accent Colors:

Hex	Family	Name	Chroma
747750	yellow-green	dimgray	22.5
624628	orange	dark brown	24.4
074B6A	blue	grayish purple	24.0

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.187
Mean Local Roughness	0.016
Roughness Uniformity	0.016
Edge Density	0.025
Mean Gradient Magnitude	0.133
Gradient Variance	0.049
Gradient Smoothness	0.0
Directional Coherence	0.004
Pattern Complexity	0.12
Pattern Repetition	1.0
Detail Frequency Ratio	0.594
Spatial Variation	0.073
Texture Consistency	0.795

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.629
Brightness Variance	0.187
Brightness Uniformity	0.703
Brightness Skewness	-1.183
Brightness Entropy	7.049
Rms Contrast	0.187
Michelson Contrast	0.992
Weber Contrast	0.493
Mean Local Contrast	0.018
Contrast Uniformity	0.0
Dynamic Range	0.996
Effective Dynamic Range	0.741

Metric	Value
Shadow Percentage	7.078
Midtone Percentage	43.119
Highlight Percentage	49.803
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.009
Medium Contrast	0.022
Coarse Contrast	0.037
Multiscale Contrast Ratio	0.241
Edge Contrast	0.133
Contrast Clustering	0.205

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.758
Color Clustering	0.334
Color Transition Smoothness	0.649
Transition Uniformity	0.638
Sharp Transition Ratio	0.1
Transition Directionality	0.005
Mean Saturation	0.491
Saturation Variance	0.078
Low Saturation Ratio	0.319
Medium Saturation Ratio	0.365
High Saturation Ratio	0.316
Saturation Clustering	0.999
Hue Concentration	0.499
Complementary Balance	0.011
Analogous Dominance	0.701
Temperature Bias	0.398

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 (2025). A Major - Research on Harmony - Variations 10 — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0948.html https://arnaudquercy.art/fr/catalogue-raisonne/AQC0948.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2025/12/a-major-research-on-harmony-variations-10_1i82.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

[4] Quercy, A. (2025). Physical Specifications. https://multimodal.institute/en/nanopubs/specifications/2026/02/aqc0948_physical-specifications_1j8a.html

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

d1b7a4310c6731f1a4d067ac79821678719eec-c31833d9e7637ea9cff1818546

Artist	Arnaud Quercy
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