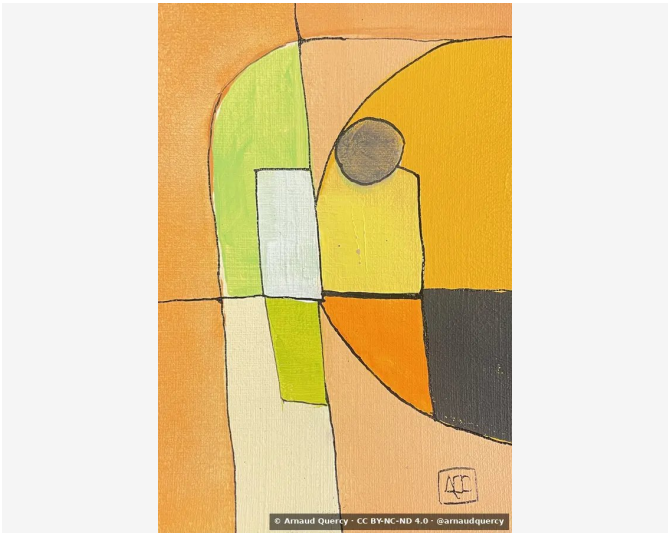


Nanopublication – Computational Image Analysis – AQC0877

by Arnaud Quercy · E Minor – Research on Harmony – Variations 6 · 2025



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC0877

Analysis record [3]: E Minor [1] – Research on Harmony – Variations 6 (AQC0877) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2025-12-11.

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]: 1918x2877 pixels. Analysis date: 2025-12-11.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		E5B223	15.8	yellow-orange	goldenrod
2		E6A34F	14.9	orange	sandybrown
3		EAB16A	14.9	orange	darksalmon
4		E7E0BE	13.9	yellow	wheat
5		EFBF83	11.9	orange	burlywood
6		524A3E	8.4	yellow-orange	dark brown
7		CBDA67	7.7	yellow-green	ochre
8		EAD150	6.2	yellow	ochre
9		ED8B14	3.8	orange	darkorange
10		8F7E64	2.6	yellow-orange	gray

Color Families:

Family	%
orange	45.4
yellow-orange	26.8
yellow	20.1
yellow-green	7.7

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.151
Mean Local Roughness	0.019
Roughness Uniformity	0.023
Edge Density	0.054
Mean Gradient Magnitude	0.163
Gradient Variance	0.058
Gradient Smoothness	0.0
Directional Coherence	0.012
Pattern Complexity	0.11
Pattern Repetition	1.0
Detail Frequency Ratio	0.621
Spatial Variation	0.096
Texture Consistency	0.615

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.705
Brightness Variance	0.151
Brightness Uniformity	0.786
Brightness Skewness	-1.656
Brightness Entropy	6.791
Rms Contrast	0.151
Michelson Contrast	1.0
Weber Contrast	0.384
Mean Local Contrast	0.022
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.569
Shadow Percentage	5.857
Midtone Percentage	14.841
Highlight Percentage	79.302
Shadow Clipping	0.0
Highlight Clipping	0.001
Tonal Balance	0.0
Fine Contrast	0.011
Medium Contrast	0.027
Coarse Contrast	0.044
Multiscale Contrast Ratio	0.242
Edge Contrast	0.163
Contrast Clustering	0.385

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.762
Color Clustering	0.366
Color Transition Smoothness	0.595
Transition Uniformity	0.613
Sharp Transition Ratio	0.1
Transition Directionality	0.012
Mean Saturation	0.536
Saturation Variance	0.057
Low Saturation Ratio	0.213
Medium Saturation Ratio	0.564
High Saturation Ratio	0.223
Saturation Clustering	0.999
Hue Concentration	0.981
Complementary Balance	0.0
Analogous Dominance	0.999
Temperature Bias	0.885

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). E Minor - Research on Harmony - Variations 6 - Catalog raisonn  . <https://arnaudquercy.art/en/catalogue-raisonne/AQC0877.html>

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2025/11/e-minor-research-on-harmony-variations-6_i21.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>

WHERE THIS WORK LIVES

THEMATIC ELEMENTS

chromesthetic mapping

E minor triad

synesthetic explorations

acrylic on paper

harmonic translation

geometric abstraction

color harmony

musical visualization

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

5e74aa2cb0877299292c55fd19a0d614c880ea6f222daba2e26d3af3e181b3f0

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