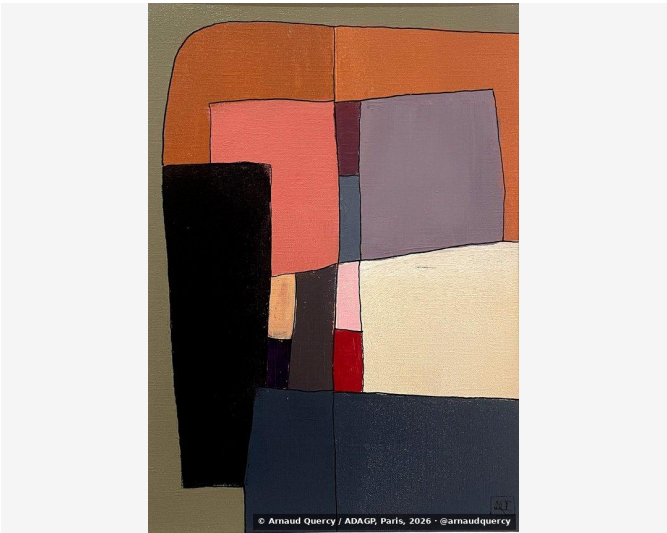


AQC1137

Nanopublication – Computational Image Analysis – AQC1137

by Arnaud Quercy · Ab7#11 – Research on Harmony – Variations 3 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1137

K-means clustering (10 colors) performed on artwork Ab7#11 – Research on Harmony – Variations 3 (AQC1137) ^[1] by Arnaud Quercy ^[2] on 2026-10-02, according to IDS-CMP-2025 ^[3]. Documentation includes: color families, texture roughness, brightness distribution, spatial coherence.

CONTEXT

Analysis performed according to IDS-CMP-2025 ^[3] includes four metric categories: (a) Color distribution via k-means (10 colors), (b) Texture analysis using Haralick features, (c) Brightness and contrast measurements, (d) Spatial pattern characterization. Source image: 1952x2794 pixels. Analysis date: 2026-10-02.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D2C8B7	26.2	yellow-orange	silver
2		B4A792	16.9	yellow-orange	rosybrown
3		C3B8A6	14.5	yellow-orange	steel gray
4		2B2B33	9.8	violet	very dark gray
5		0A0607	7.3	black	black
6		716363	7.0	red-orange	dimgray
7		8A472A	5.4	orange	russet
8		A75B49	5.1	red-orange	burnt sienna
9		5C5545	5.0	yellow-orange	dark brown
10		987D67	3.0	orange	gray
11		562C33	0.3	red	darkslategray [Accent]

Color Families:

Family	%
yellow-orange	62.5
red-orange	12.1
violet	9.8
orange	8.4
black	7.3
red	0.3

Accent Colors:

Hex	Family	Name	Chroma
562C33	red	darkslategray	20.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.25
Mean Local Roughness	0.019
Roughness Uniformity	0.015
Edge Density	0.051
Mean Gradient Magnitude	0.12
Gradient Variance	0.026
Gradient Smoothness	0.0
Directional Coherence	0.011
Pattern Complexity	0.138
Pattern Repetition	1.0
Detail Frequency Ratio	0.659
Spatial Variation	0.167
Texture Consistency	0.736

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.545
Brightness Variance	0.25
Brightness Uniformity	0.54
Brightness Skewness	-0.713
Brightness Entropy	7.199
Rms Contrast	0.25
Michelson Contrast	1.0
Weber Contrast	0.812
Mean Local Contrast	0.018
Contrast Uniformity	0.11
Dynamic Range	1.0
Effective Dynamic Range	0.769
Shadow Percentage	20.491
Midtone Percentage	29.51
Highlight Percentage	50.0
Shadow Clipping	0.173
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.013
Medium Contrast	0.022
Coarse Contrast	0.027
Multiscale Contrast Ratio	0.494
Edge Contrast	0.12
Contrast Clustering	0.264

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.746
Color Clustering	0.877
Color Transition Smoothness	0.692
Transition Uniformity	0.815
Sharp Transition Ratio	0.1
Transition Directionality	0.011
Mean Saturation	0.236
Saturation Variance	0.032
Low Saturation Ratio	0.795
Medium Saturation Ratio	0.173
High Saturation Ratio	0.033
Saturation Clustering	0.998
Hue Concentration	0.625
Complementary Balance	0.165
Analogous Dominance	0.787
Temperature Bias	0.65

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 Ideamorphic Studies' computational imaging systems.

REFERENCES

[1] Quercy, A. (2026). Ab7#11 - Research on Harmony - Variations 3 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1137.html>

[2] Quercy, A. (2025). ORCID <https://orcid.org/0009-0000-2662-7790>

[3] Quercy, A. (2026). Computational Image Analysis Standard. <https://ideamorphism.org/en/measurements/2025/11/ids-cmp-2025-computational-image-analysis-standard-5dq9.html>

WHERE THIS WORK LIVES

Collection: Harmonic Crossing

DOCUMENTED AT

Catalogue Raisonné – Ab7#11 - Research on Harmony - Variations 3 – Ab7#11 – Research on Harmony – Variations 3 – Cycle of Fifths Mapping – Arnaud Quercy (2026)

Gallery – Ab7#11 - Research on Harmony - Variations 3

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

756a75733f1207f08e730c371999e39a60fd118e4bb98332e702dc37d22e70dc

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