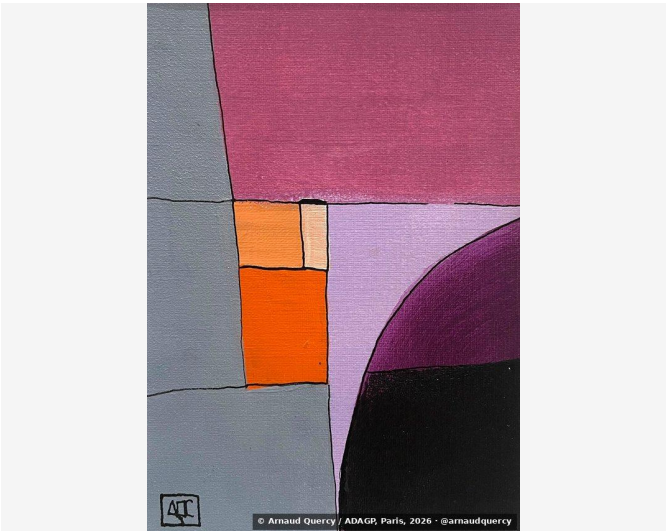


AQC1146

Nanopublication – Computational Image Analysis – AQC1146

by Arnaud Quercy · Bb Major - Research on Harmony - Variations 21 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1146

The artwork Bb Major - Research on Harmony - Variations 21 (AQC1146) [1] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-10-02. Method: k-means clustering with 10 colors extracted. Metrics documented: color distribution, texture analysis, brightness/contrast, spatial patterns.

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: 3024x4032 pixels. Analysis date: 2026-10-02.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		B8B2A9	28.0	yellow-orange	steel gray
2		C3BDB3	26.3	yellow-orange	silver
3		86445B	13.0	red	dusty mauve
4		666A72	12.4	blue-violet	grayish purple
5		1D1B1C	6.8	gray	very dark gray
6		968195	5.2	red-violet	dusty mauve
7		4B253C	3.1	red-violet	dusty mauve
8		DFDED6	2.4	white	gainsboro
9		B54905	1.9	orange	russet
10		BA6E3D	0.9	orange	peru

Color Families:

Family	%
yellow-orange	54.3
red	13.0
blue-violet	12.4
red-violet	8.3
gray	6.8
orange	2.8
white	2.4

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.211
Mean Local Roughness	0.017
Roughness Uniformity	0.011
Edge Density	0.041
Mean Gradient Magnitude	0.123
Gradient Variance	0.019
Gradient Smoothness	0.0
Directional Coherence	0.007
Pattern Complexity	0.138
Pattern Repetition	1.0
Detail Frequency Ratio	0.641
Spatial Variation	0.132
Texture Consistency	0.64

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.566
Brightness Variance	0.211
Brightness Uniformity	0.628
Brightness Skewness	-0.74
Brightness Entropy	6.835
Rms Contrast	0.211
Michelson Contrast	1.0
Weber Contrast	0.63
Mean Local Contrast	0.018
Contrast Uniformity	0.304
Dynamic Range	0.996
Effective Dynamic Range	0.643
Shadow Percentage	13.501
Midtone Percentage	31.285
Highlight Percentage	55.214
Shadow Clipping	0.002
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.012
Medium Contrast	0.021
Coarse Contrast	0.029
Multiscale Contrast Ratio	0.411
Edge Contrast	0.123
Contrast Clustering	0.36

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.774
Color Clustering	0.721
Color Transition Smoothness	0.683
Transition Uniformity	0.867
Sharp Transition Ratio	0.1
Transition Directionality	0.007
Mean Saturation	0.177
Saturation Variance	0.041
Low Saturation Ratio	0.804
Medium Saturation Ratio	0.172
High Saturation Ratio	0.025
Saturation Clustering	1.0
Hue Concentration	0.929
Complementary Balance	0.002
Analogous Dominance	0.949
Temperature Bias	0.955

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). Bb Major - Research on Harmony - Variations 21 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1146.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

Series: Bb Major
Collection: Harmonic Crossing

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

4a2f102a983f79b12643546c8059db2fd7cf7a17144bc6a35431444828d3447f

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Artist Arnaud Quercy

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