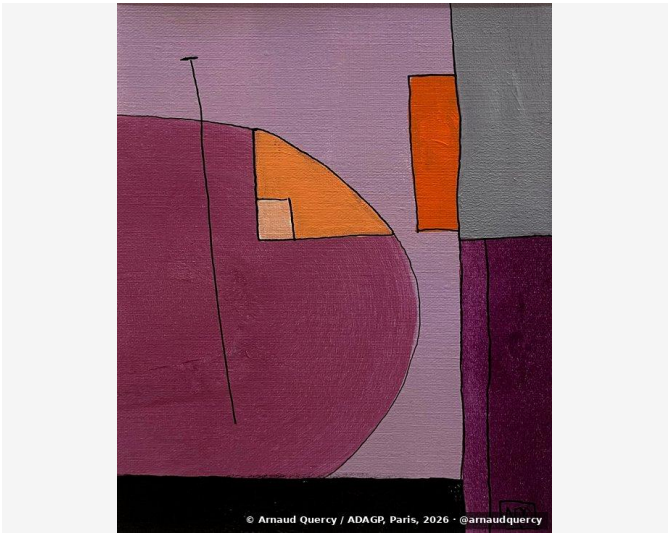


AQC1119

Nanopublication – Computational Image Analysis – AQC1119

by Arnaud Quercy · Bb Major – Research on Harmony – Variations 13 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1119

Computational image analysis of artwork Bb Major – Research on Harmony – Variations 13 (AQC1119) ^[1] by Arnaud Quercy ^[2], performed according to IDS-CMP-2025 ^[3], using k-means clustering method with 10 color extraction parameters. Analysis includes color distribution, texture metrics, brightness/contrast measurements, and spatial pattern characterization. Analysis completed on 2026-10-02.

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		C1B3A2	28.7	yellow-orange	steel gray
2		AC9D8E	21.0	orange	rosybrown
3		6B2D45	12.7	red	dusty mauve
4		736167	9.8	red	dusty mauve
5		8D7380	9.6	red	dusty mauve
6		534943	4.8	orange	darkslategray
7		E5DFD4	4.1	yellow-orange	gainsboro
8		3B0E28	3.4	red	very dark red
9		090404	3.2	black	black
10		B1521C	2.6	orange	burnt sienna

Color Families:

Family	%
red	35.6
yellow-orange	32.8
orange	28.4
black	3.2

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.213
Mean Local Roughness	0.021
Roughness Uniformity	0.013
Edge Density	0.08
Mean Gradient Magnitude	0.148
Gradient Variance	0.027
Gradient Smoothness	0.0
Directional Coherence	0.006
Pattern Complexity	0.139
Pattern Repetition	1.0
Detail Frequency Ratio	0.642
Spatial Variation	0.129
Texture Consistency	0.666

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.523
Brightness Variance	0.213
Brightness Uniformity	0.593
Brightness Skewness	-0.545
Brightness Entropy	7.318
Rms Contrast	0.213
Michelson Contrast	1.0
Weber Contrast	0.679
Mean Local Contrast	0.021
Contrast Uniformity	0.297
Dynamic Range	0.996
Effective Dynamic Range	0.643
Shadow Percentage	23.365
Midtone Percentage	42.137
Highlight Percentage	34.498
Shadow Clipping	0.016
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.014
Medium Contrast	0.026
Coarse Contrast	0.034
Multiscale Contrast Ratio	0.418
Edge Contrast	0.148
Contrast Clustering	0.334

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.751
Color Clustering	0.739
Color Transition Smoothness	0.62
Transition Uniformity	0.811
Sharp Transition Ratio	0.1
Transition Directionality	0.006
Mean Saturation	0.275
Saturation Variance	0.049
Low Saturation Ratio	0.769
Medium Saturation Ratio	0.165
High Saturation Ratio	0.066
Saturation Clustering	0.998
Hue Concentration	0.901
Complementary Balance	0.0
Analogous Dominance	0.984
Temperature Bias	0.99

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 13 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1119.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)

2647bd238a48cbb789443a649394293531170e2ff87e9b2ab6145319a3a76593

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