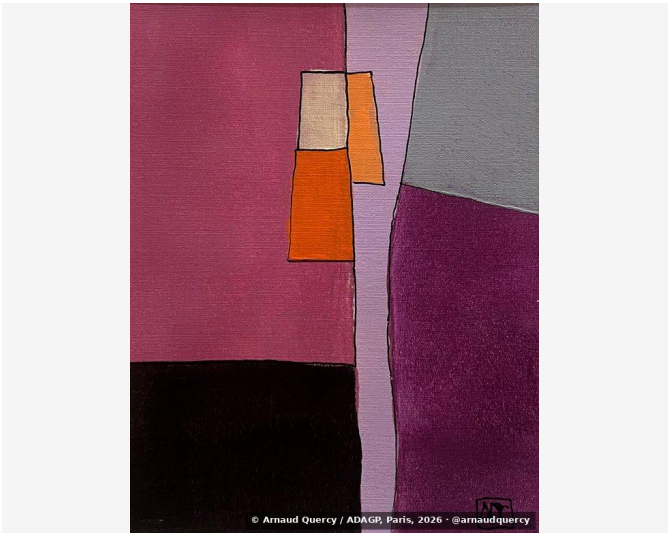


AQC1123

Nanopublication – Computational Image Analysis – AQC1123

by Arnaud Quercy · Bb Major – Research on Harmony – Variations 15 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC1123

Computational image analysis of artwork Bb Major – Research on Harmony – Variations 15 (AQC1123) ^[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		C9BBA9	26.0	yellow-orange	silver
2		BAAC9B	17.0	yellow-orange	steel gray
3		A69789	16.7	orange	rosybrown
4		80384E	14.3	red	burnt sienna
5		4D1A37	7.6	red	very dark red
6		120A0A	6.4	black	black
7		87737E	5.0	red-violet	dusty mauve
8		686164	4.0	gray	dusty mauve
9		B04F14	1.7	orange	burnt sienna
10		EAE4D8	1.4	yellow-orange	white
11		5C1905	0.3	red-orange	maroon [Accent]

Color Families:

Family	%
yellow-orange	44.4
red	21.9
orange	18.4
black	6.4
red-violet	5.0
gray	4.0
red-orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
5C1905	red-orange	maroon	41.0

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.227
Mean Local Roughness	0.021
Roughness Uniformity	0.013
Edge Density	0.071
Mean Gradient Magnitude	0.142
Gradient Variance	0.024
Gradient Smoothness	0.0
Directional Coherence	0.003
Pattern Complexity	0.137
Pattern Repetition	1.0
Detail Frequency Ratio	0.651
Spatial Variation	0.154
Texture Consistency	0.639

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.531
Brightness Variance	0.227
Brightness Uniformity	0.572
Brightness Skewness	-0.722
Brightness Entropy	7.239
Rms Contrast	0.227
Michelson Contrast	1.0
Weber Contrast	0.776
Mean Local Contrast	0.021
Contrast Uniformity	0.32
Dynamic Range	0.996
Effective Dynamic Range	0.702
Shadow Percentage	24.037
Midtone Percentage	34.585
Highlight Percentage	41.378
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.014
Medium Contrast	0.025
Coarse Contrast	0.032
Multiscale Contrast Ratio	0.446
Edge Contrast	0.142
Contrast Clustering	0.361

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.799
Color Clustering	0.742
Color Transition Smoothness	0.639
Transition Uniformity	0.832
Sharp Transition Ratio	0.1
Transition Directionality	0.003
Mean Saturation	0.29
Saturation Variance	0.048
Low Saturation Ratio	0.705
Medium Saturation Ratio	0.244
High Saturation Ratio	0.052
Saturation Clustering	0.999
Hue Concentration	0.949
Complementary Balance	0.0
Analogous Dominance	0.984
Temperature Bias	1.0

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 15 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1123.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)

32b63ad1285790749b206b81db04958cc988ce4336b0d54fe7921451faa95993

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Artist	Arnaud Quercy
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Collection	Harmonic Crossing
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Published	2026-10-02

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