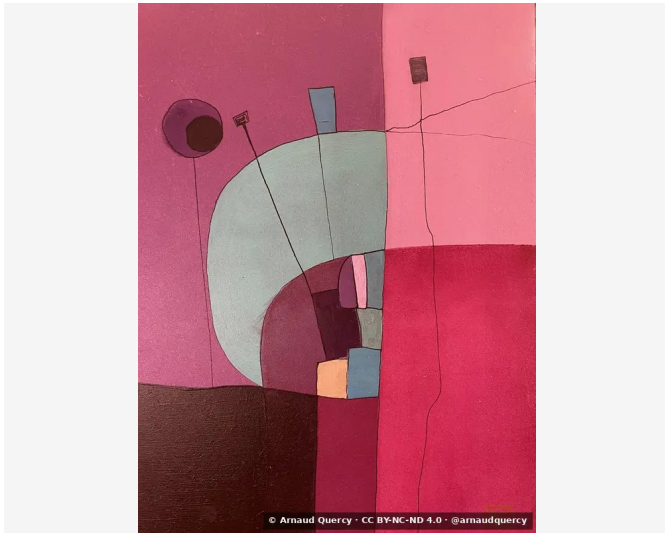


Nanopublication – Computational Image Analysis – AQC0714

by Arnaud Quercy · Bb Minor – Research on Harmony – Variation 5 · 2024



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC0714

The artwork Bb Minor [1] – Research on Harmony – Variation 5 (AQC0714) [2] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-02-04. Method: k-means clustering with 10 colors extracted. Metrics documented: color distribution, texture analysis, brightness/contrast, spatial patterns.

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]: 3024x4032 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		ED8392	18.8	red	lightcoral
2		B04D67	17.1	red	indianred
3		C02344	10.6	red-orange	crimson
4		D73458	10.3	red-orange	mediumvioletred
5		872D41	9.0	red	brown
6		ADB1AB	8.8	gray	steel gray
7		390D0A	7.7	red-orange	very dark red
8		C4617F	6.6	red	palevioletred
9		532324	5.7	red-orange	maroon
10		898E8B	5.4	gray	gray
11		F6A87D	0.3	orange	lightsalmon [Accent]

Color Families:

Family	%
red	51.4
red-orange	34.3
gray	14.2
orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
F6A87D	orange	lightsalmon	41.6

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.177
Mean Local Roughness	0.022
Roughness Uniformity	0.022
Edge Density	0.118
Mean Gradient Magnitude	0.176
Gradient Variance	0.048
Gradient Smoothness	0.0
Directional Coherence	0.014
Pattern Complexity	0.128
Pattern Repetition	1.0
Detail Frequency Ratio	0.653
Spatial Variation	0.138
Texture Consistency	0.577

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.444
Brightness Variance	0.177
Brightness Uniformity	0.602
Brightness Skewness	-0.252
Brightness Entropy	7.219
Rms Contrast	0.177
Michelson Contrast	1.0
Weber Contrast	0.734
Mean Local Contrast	0.024
Contrast Uniformity	0.073
Dynamic Range	1.0
Effective Dynamic Range	0.584
Shadow Percentage	24.299
Midtone Percentage	65.845
Highlight Percentage	9.857
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.012
Medium Contrast	0.03
Coarse Contrast	0.041
Multiscale Contrast Ratio	0.296
Edge Contrast	0.176
Contrast Clustering	0.423

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.799
Color Clustering	0.507
Color Transition Smoothness	0.568
Transition Uniformity	0.688
Sharp Transition Ratio	0.1
Transition Directionality	0.022
Mean Saturation	0.545
Saturation Variance	0.061
Low Saturation Ratio	0.145
Medium Saturation Ratio	0.535
High Saturation Ratio	0.321
Saturation Clustering	0.998
Hue Concentration	0.981
Complementary Balance	0.005
Analogous Dominance	0.994
Temperature Bias	0.988

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 (2024). Bb Minor - Research on Harmony - Variation 5 - Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0714.html>

[2] Quercy, A. (2024). Bb Minor - Research on Harmony - Variation 5 - Gallery. https://artquamanima.com/en/art-works/2024/01/bb-minor-research-on-harmony-variation-5_7xw.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 Bb minor triad synesthetic art
musical color translation geometric abstraction
harmonic visualization acrylic painting
Synesthetic Explorations

EPISTEMIC PROFILE

Claim type computational analysis

Voice third person

Epistemic status empirical measurement

Methodology computational analysis

Certainty high

CHECKSUM (SHA-256)

03c83b48677c33dbf7d146212ba0f7eea9aff477a14ac64bc332fa1048f5bb03

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Artist Arnaud Quercy

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