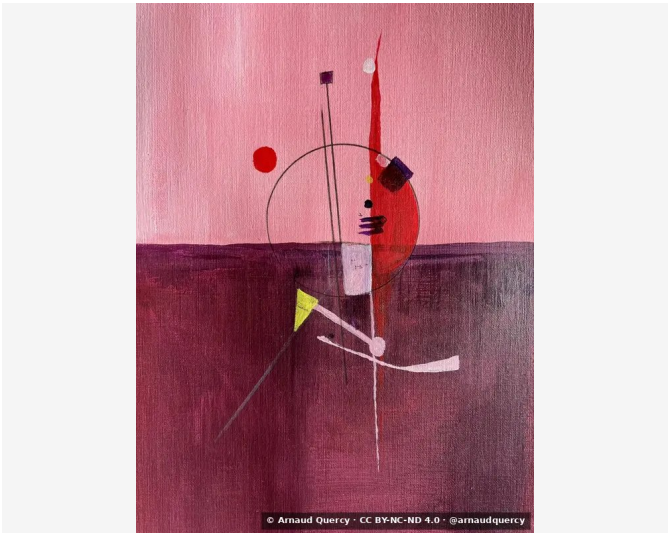


Nanopublication – Computational Image Analysis –
AQC0486

by Arnaud Quercy · Metaboles · 2023



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC0486

Computational image analysis [3] of artwork Metaboles [1] (AQC0486) [2] by Arnaud Quercy [2] 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 2026-02-04.

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]: 1536x2048 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		E599A6	13.9	red	tan
2		753143	13.9	red	brown
3		611E31	13.7	red	russet
4		D38794	13.4	red	palevioletred
5		894457	10.8	red	burnt sienna
6		480C1C	8.6	red	very dark red
7		BE7581	8.5	red	rosybrown
8		F3AFBD	8.0	red	lightpink
9		9D5E6D	7.0	red	gray
10		B7191D	2.2	red-orange	firebrick
11		C7C343	0.3	yellow	ochre [Accent]
12		28052C	0.3	red-violet	very dark purple [Accent]
13		CB8D3F	0.3	orange	peru [Accent]

Color Families:

Family	%
red	97.8
red-orange	2.2
yellow	0.3
red-violet	0.3
orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
C7C343	yellow	ochre	63.6
28052C	red-violet	very dark purple	29.4
CB8D3F	orange	peru	52.5

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.217
Mean Local Roughness	0.076
Roughness Uniformity	0.032
Edge Density	0.371
Mean Gradient Magnitude	0.502
Gradient Variance	0.124
Gradient Smoothness	0.297
Directional Coherence	0.014
Pattern Complexity	0.105
Pattern Repetition	1.0
Detail Frequency Ratio	0.713
Spatial Variation	0.159
Texture Consistency	0.655

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.445
Brightness Variance	0.217
Brightness Uniformity	0.512
Brightness Skewness	0.067
Brightness Entropy	7.555
Rms Contrast	0.217
Michelson Contrast	1.0
Weber Contrast	0.769
Mean Local Contrast	0.073
Contrast Uniformity	0.607
Dynamic Range	1.0
Effective Dynamic Range	0.643
Shadow Percentage	39.152
Midtone Percentage	39.02
Highlight Percentage	21.828
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.299
Fine Contrast	0.045
Medium Contrast	0.087
Coarse Contrast	0.088
Multiscale Contrast Ratio	0.506
Edge Contrast	0.502
Contrast Clustering	0.345

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.717
Color Clustering	0.596
Color Transition Smoothness	0.0
Transition Uniformity	0.194
Sharp Transition Ratio	0.1
Transition Directionality	0.014
Mean Saturation	0.498
Saturation Variance	0.04
Low Saturation Ratio	0.108
Medium Saturation Ratio	0.709
High Saturation Ratio	0.183
Saturation Clustering	0.993
Hue Concentration	0.993
Complementary Balance	0.0
Analogous Dominance	0.997
Temperature Bias	0.998

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 (2023). Metaboles – Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0486.html>

[2] Quercy, A. (2025). Untitled – Gallery. https://artquamanima.com/en/artworks/2023/01/metaboles_5h8.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

metabole concept

abstract acrylic

geometric forms

red color palette

musical transformation

Untamed Creations

contemporary painting

harmonic relationships

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

ba157145fd68cc6d691cf5543d710c1932637e5905fe976163a2e62eae7be004

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Artist	Arnaud Quercy
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Collection	Untamed Creations
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Version	1
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