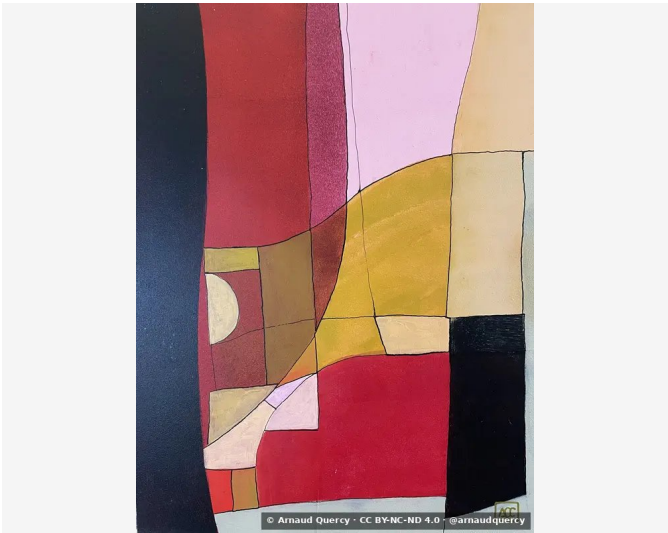


Nanopublication – Computational Image Analysis –
AQC0735

by Arnaud Quercy · F Major – Research on Harmony – Variation 2 · 2024



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC0735

Analysis record [3]: F Major [1] - Research on Harmony - Variation 2 (AQC0735) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 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]: 3024x4032 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		A33C44	15.3	red-orange	brown
2		DBC09D	13.5	yellow-orange	tan
3		EACADF	12.1	red-violet	thistle
4		292F3E	12.0	blue-violet	darkslategray
5		B21D35	10.7	red-orange	firebrick
6		CEA242	9.3	yellow-orange	peru
7		0E0C14	8.4	black	black
8		A7635C	8.0	red-orange	indianred
9		BAC2C3	5.6	gray	silver
10		445471	5.1	blue-violet	grayish purple
11		7D7E51	0.3	yellow	dimgray [Accent]
12		84561E	0.3	orange	russet [Accent]
13		CA698E	0.3	red	palevioletred [Accent]
14		91A4B0	0.3	blue	steel gray [Accent]

Color Families:

Family	%
red-orange	34.1
yellow-orange	22.7
blue-violet	17.1
red-violet	12.1
black	8.4
gray	5.6
yellow	0.3
orange	0.3
red	0.3
blue	0.3

Accent Colors:

Hex	Family	Name	Chroma
7D7E51	yellow	dimgray	25.3
84561E	orange	russet	41.4
CA698E	red	palevioletred	43.1
91A4B0	blue	steel gray	8.9

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.261
Mean Local Roughness	0.026
Roughness Uniformity	0.026
Edge Density	0.113
Mean Gradient Magnitude	0.192
Gradient Variance	0.073
Gradient Smoothness	0.0
Directional Coherence	0.012
Pattern Complexity	0.123
Pattern Repetition	1.0
Detail Frequency Ratio	0.646
Spatial Variation	0.179
Texture Consistency	0.534

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.477
Brightness Variance	0.261
Brightness Uniformity	0.453
Brightness Skewness	0.037
Brightness Entropy	7.596
Rms Contrast	0.261
Michelson Contrast	1.0
Weber Contrast	0.825
Mean Local Contrast	0.027
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.788
Shadow Percentage	34.855
Midtone Percentage	31.612
Highlight Percentage	33.533
Shadow Clipping	0.032
Highlight Clipping	0.002
Tonal Balance	0.267
Fine Contrast	0.015
Medium Contrast	0.034
Coarse Contrast	0.045
Multiscale Contrast Ratio	0.33
Edge Contrast	0.192
Contrast Clustering	0.466

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.736
Color Clustering	0.757
Color Transition Smoothness	0.513
Transition Uniformity	0.494
Sharp Transition Ratio	0.1
Transition Directionality	0.015
Mean Saturation	0.46
Saturation Variance	0.059
Low Saturation Ratio	0.309
Medium Saturation Ratio	0.516
High Saturation Ratio	0.176
Saturation Clustering	0.998
Hue Concentration	0.47
Complementary Balance	0.201
Analogous Dominance	0.712
Temperature Bias	0.486

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). F Major - Research on Harmony - Variation 2 - Catalog raisonn  . <https://arnaudquercy.art/en/catalogue-raisonne/AQC0735.html>

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2024/01/f-major-research-on-harmony-variation-2_862.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

F Major triad

synesthetic art

musical color translation

harmonic visualization

red-orange dominance

acrylic wood panel

compact format

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

8c7ef4979f269134e8858eb6a05d2ce52976ea78943aef52a6fd95231723424f

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Collection	Synesthetic Explorations
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Identifier	NAN-COL000219
Version	1
Published	2026-02-03

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