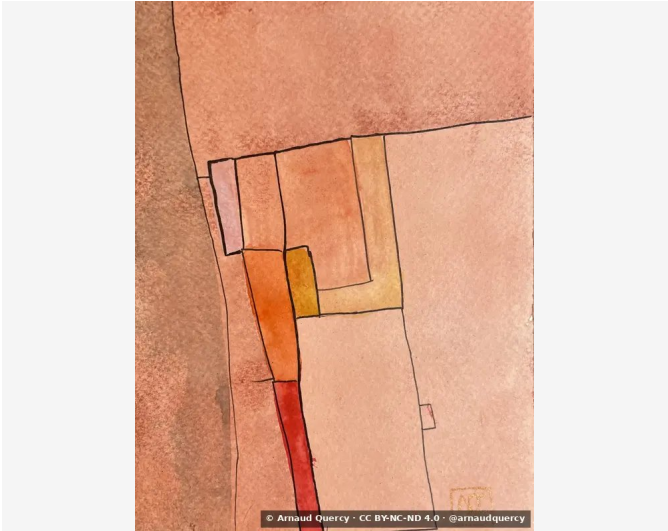


Nanopublication – Computational Image Analysis –
AQC0818

by Arnaud Quercy · C Major – Research on Harmony – Variation 11 · 2025



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS – AQC0818

Computational image analysis [3] of artwork C Major [1] – Research on Harmony – Variation 11 (AQC0818) [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]: 2366x3154 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		E7AF92	23.8	orange	burlywood
2		DB8E6B	19.3	orange	darksalmon
3		E39D7B	17.1	orange	lightsalmon
4		EEBDA5	14.6	orange	lightpink
5		C68160	12.0	orange	peru
6		B17152	6.6	orange	indianred
7		DF732D	2.8	orange	chocolate
8		C93A25	1.5	red-orange	firebrick
9		3B1A0E	1.4	orange	very dark orange
10		6D4432	0.9	orange	russet
11		FFF2E2	0.3	yellow-orange	white [Accent]

Color Families:

Family	%
orange	98.5
red-orange	1.5
yellow-orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
FFF2E2	yellow-orange	white	9.2

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.117
Mean Local Roughness	0.01
Roughness Uniformity	0.013
Edge Density	0.022
Mean Gradient Magnitude	0.097
Gradient Variance	0.024
Gradient Smoothness	0.0
Directional Coherence	0.021
Pattern Complexity	0.112
Pattern Repetition	1.0
Detail Frequency Ratio	0.597
Spatial Variation	0.075
Texture Consistency	0.515

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.66
Brightness Variance	0.117
Brightness Uniformity	0.822
Brightness Skewness	-1.676
Brightness Entropy	6.648
Rms Contrast	0.117
Michelson Contrast	0.969
Weber Contrast	0.318
Mean Local Contrast	0.012
Contrast Uniformity	0.0
Dynamic Range	0.98
Effective Dynamic Range	0.318
Shadow Percentage	2.196
Midtone Percentage	44.273
Highlight Percentage	53.531
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.005
Medium Contrast	0.015
Coarse Contrast	0.028
Multiscale Contrast Ratio	0.185
Edge Contrast	0.097
Contrast Clustering	0.485

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.759
Color Clustering	0.06
Color Transition Smoothness	0.756
Transition Uniformity	0.838
Sharp Transition Ratio	0.1
Transition Directionality	0.028
Mean Saturation	0.455
Saturation Variance	0.015
Low Saturation Ratio	0.054
Medium Saturation Ratio	0.895
High Saturation Ratio	0.05
Saturation Clustering	1.0
Hue Concentration	0.998
Complementary Balance	0.0
Analogous Dominance	1.0
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 Multimodal Institute's computational imaging systems.

REFERENCES

[1] Arnaud Quercy (2025). C Major - Research on Harmony - Variation 11 - Catalog raisonn  . <https://arnaudquercy.art/en/catalogue-raisonne/AQC0818.html>

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2025/01/c-major-research-on-harmony-variation-11_92c.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

C Major triad

geometric watercolor

synesthetic art

harmonic visualization

orange color palette

musical translation

contemporary watercolor

Synesthetic Explorations

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

3bc49951b818fb4062143a905e2081b72cad34b9d8f42b3ab9e4f6a20b2afd68

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Artist	Arnaud Quercy
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Version	1
Published	2026-02-03

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