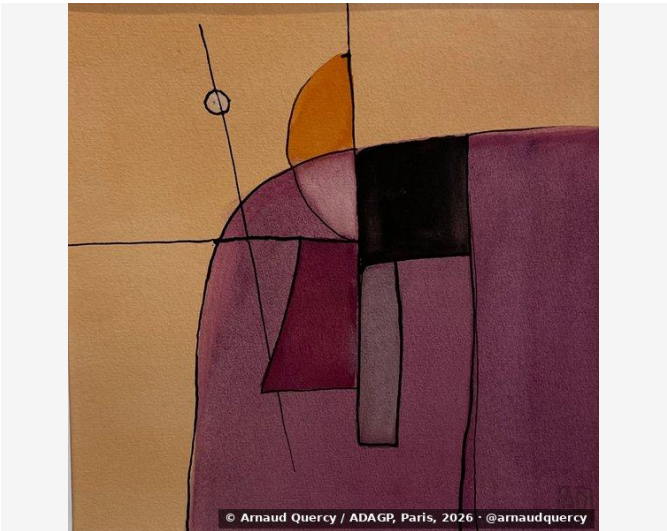


Nanopublication – Computational Image Analysis –
AQC1068

by Arnaud Quercy · Watercolor Study in Bb Major No. 1 · 2026



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC1068

Analysis record: Watercolor Study in Bb Major No. 1 (AQC1068) ^[1] by Arnaud Quercy ^[2], per IDS-CMP-2025 ^[3]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-07-13.

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: 1775x1775 pixels. Analysis date: 2026-07-13.

A) COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		B07F50	19.3	orange	peru
2		653343	19.1	red	dark brown
3		BA895A	17.0	orange	indianred
4		592638	13.6	red	darkslategray
5		74414F	9.6	red	dimgray
6		9F714C	7.9	orange	burnt sienna
7		0B0504	6.7	black	black
8		4B1223	4.9	red	very dark red
9		A65305	1.8	orange	russet
10		BCB8B9	0.1	gray	silver
11		A7777A	0.3	red-orange	rosybrown [Accent]

Color Families:

Family	%
red	47.2
orange	45.9
black	6.7
red-orange	0.3
gray	0.1

Accent Colors:

Hex	Family	Name	Chroma
A7777A	red-orange	rosybrown	19.9

B) TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.173
Mean Local Roughness	0.019
Roughness Uniformity	0.012
Edge Density	0.053
Mean Gradient Magnitude	0.139
Gradient Variance	0.024
Gradient Smoothness	0.0
Directional Coherence	0.01
Pattern Complexity	0.132
Pattern Repetition	1.0
Detail Frequency Ratio	0.629
Spatial Variation	0.149
Texture Consistency	0.514

C) BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.369
Brightness Variance	0.173
Brightness Uniformity	0.53
Brightness Skewness	-0.253
Brightness Entropy	6.784
Rms Contrast	0.173
Michelson Contrast	1.0
Weber Contrast	0.719
Mean Local Contrast	0.019
Contrast Uniformity	0.309
Dynamic Range	0.812
Effective Dynamic Range	0.553
Shadow Percentage	50.54
Midtone Percentage	49.314
Highlight Percentage	0.146
Shadow Clipping	0.029
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.012
Medium Contrast	0.024
Coarse Contrast	0.032
Multiscale Contrast Ratio	0.373
Edge Contrast	0.139
Contrast Clustering	0.486

D) SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.767
Color Clustering	0.56
Color Transition Smoothness	0.627
Transition Uniformity	0.816
Sharp Transition Ratio	0.1
Transition Directionality	0.009
Mean Saturation	0.549
Saturation Variance	0.017
Low Saturation Ratio	0.015
Medium Saturation Ratio	0.893
High Saturation Ratio	0.092
Saturation Clustering	0.997
Hue Concentration	0.911
Complementary Balance	0.0
Analogous Dominance	0.99
Temperature Bias	0.99

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). Watercolor Study in Bb Major No. 1 - Catalogue Raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC1068.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/2025/09/ids-cmp-2025-computational-image-analysis-standard-5dq9.html>

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

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