AQC0962

Nanopublication — Computational Image Analysis - AQC0962

by Arnaud Quercy · B sus4 - Research on Harmony · 2026

Claim 1: Computational Image Analysis - AQC0962

> The artwork B sus4 - Research [1] on Harmony (AQC0962) [2] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-03-05. 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]: 1846x2769 pixels. Analysis date: 2026-03-05.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		2A352B	13.3	yellow-green	darkslategray
2		D5D2C7	12.5	yellow	lightgray
3		3F583D	11.9	yellow-green	darkslategrey
4		C3C1B9	10.8	gray	silver
5		929381	10.3	yellow-green	gray
6		70A467	9.6	yellow-green	grey
7		AAB18F	9.5	yellow-green	steel gray
8		D5C7A3	8.9	yellow-orange	tan
9		587E51	7.2	yellow-green	dimgray
10		F0EBD7	6.0	yellow	antiquewhite

Color Families:

Family	%
yellow-green	61.9
yellow	18.5
gray	10.8
yellow-orange	8.9

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.234
Mean Local Roughness	0.041
Roughness Uniformity	0.033
Edge Density	0.215
Mean Gradient Magnitude	0.307
Gradient Variance	0.116
Gradient Smoothness	0.0
Directional Coherence	0.006
Pattern Complexity	0.119
Pattern Repetition	1.0
Detail Frequency Ratio	0.668
Spatial Variation	0.127
Texture Consistency	0.82

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.579
Brightness Variance	0.234
Brightness Uniformity	0.596
Brightness Skewness	-0.384
Brightness Entropy	7.629
Rms Contrast	0.234
Michelson Contrast	1.0
Weber Contrast	0.743
Mean Local Contrast	0.044
Contrast Uniformity	0.232
Dynamic Range	1.0
Effective Dynamic Range	0.706
Shadow Percentage	21.968
Midtone Percentage	34.121
Highlight Percentage	43.912
Shadow Clipping	0.001
Highlight Clipping	0.001
Tonal Balance	0.29
Fine Contrast	0.024
Medium Contrast	0.054
Coarse Contrast	0.067
Multiscale Contrast Ratio	0.354
Edge Contrast	0.307
Contrast Clustering	0.18

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.699
Color Clustering	0.907
Color Transition Smoothness	0.222
Transition Uniformity	0.235
Sharp Transition Ratio	0.1
Transition Directionality	0.007
Mean Saturation	0.203
Saturation Variance	0.02
Low Saturation Ratio	0.757
Medium Saturation Ratio	0.241
High Saturation Ratio	0.002
Saturation Clustering	0.999

Metric	Value
Hue Concentration	0.833
Complementary Balance	0.002
Analogous Dominance	0.713
Temperature Bias	0.1

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 (2026). B sus4 - Research on Harmony — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0962.html

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2026/03/b-sus4-research-on-harmony_1ym8.html

[3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 https://multimodal.institute/en/publications/2025/10/mmids-cmp-2025-computational-image-analysis-standard-dg1.html

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

0dde26fede27380149904265f7b9654b538afbb6b0f7c5e21f7bf-b4aa60fe461

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