AQC0955

Nanopublication — Computational Image Analysis - AQC0955

by Arnaud Quercy · A7Sus - Research on Harmony · 2026

Claim 1: Computational Image Analysis - AQC0955

> Analysis record [3]: A7Sus - Research [1] on Harmony (AQC0955) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-03-05.

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]: 1753x2630 pixels. Analysis date: 2026-03-05.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		D5B789	18.1	yellow-orange	tan
2		A7AAAA	14.2	gray	steel gray
3		989997	13.7	gray	steel gray
4		EE7A15	12.3	orange	darkorange
5		DFC8A5	12.0	yellow-orange	burlywood
6		E1DBCD	10.5	yellow-orange	gainsboro
7		ED8A31	7.3	orange	peru
8		F09C52	6.0	orange	sandybrown
9		2E2726	5.3	gray	very dark gray
10		775C4B	0.6	orange	dimgray
11		2B0A04	0.3	red-orange	very dark red [Accent]

Color Families:

Family	%
yellow-orange	40.7
gray	33.2
orange	26.2
red-orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
2B0A04	red-orange	very dark red	18.4

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.155
Mean Local Roughness	0.023
Roughness Uniformity	0.019
Edge Density	0.094
Mean Gradient Magnitude	0.178
Gradient Variance	0.051
Gradient Smoothness	0.0
Directional Coherence	0.005
Pattern Complexity	0.119
Pattern Repetition	1.0
Detail Frequency Ratio	0.636
Spatial Variation	0.1
Texture Consistency	0.653

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.663
Brightness Variance	0.155
Brightness Uniformity	0.766
Brightness Skewness	-1.596
Brightness Entropy	6.851
Rms Contrast	0.155
Michelson Contrast	1.0
Weber Contrast	0.335
Mean Local Contrast	0.025
Contrast Uniformity	0.139
Dynamic Range	1.0
Effective Dynamic Range	0.643
Shadow Percentage	5.536
Midtone Percentage	43.783
Highlight Percentage	50.681
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.012
Medium Contrast	0.031
Coarse Contrast	0.041
Multiscale Contrast Ratio	0.288
Edge Contrast	0.178
Contrast Clustering	0.347

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.722
Color Clustering	0.463
Color Transition Smoothness	0.559
Transition Uniformity	0.648
Sharp Transition Ratio	0.1
Transition Directionality	0.004
Mean Saturation	0.334
Saturation Variance	0.101
Low Saturation Ratio	0.512

Metric	Value
Medium Saturation Ratio	0.283
High Saturation Ratio	0.205
Saturation Clustering	0.999
Hue Concentration	0.993
Complementary Balance	0.0
Analogous Dominance	0.998
Temperature Bias	0.999

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). A7Sus - Research on Harmony — Catalog raisonné. https://arnaudquercy.art/en/catalogue-raisonne/AQC0955.html

[2] Quercy, A. (2026). F7 - Research on Harmony - Gallery. https://artquamanima.com/en/artworks/2026/03/a7sus-research-on-harmony_1yji.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)

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