

Nanopublication — Computational Image Analysis - AQC0575

by Arnaud Quercy · Speed dating · 2024











Claim 1: Computational Image Analysis - AQC0575

Analysis record [3]: Speed [1] dating (AQC0575) [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]: 2551x3827 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color Hex	%	Family	Name
1	 D5C4B1	18.7	yellow-orange	silver
2	 E0D2BD	14.9	yellow-orange	lightgray
3	 A69685	13.2	orange	rosybrown
4	 B4A593	10.7	yellow-orange	steel gray
5	 C4B4A3	9.8	orange	tan
6	 514939	8.3	yellow-orange	dark brown
7	 403828	7.9	yellow-orange	darkslategray
8	 958776	6.6	yellow-orange	gray
9	 665D4C	5.2	yellow-orange	dimgray
10	 7E7362	4.6	yellow-orange	dimgray

Color Families:

Family	%
yellow-orange	77.0
orange	23.0

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.199
Mean Local Roughness	0.018
Roughness Uniformity	0.017
Edge Density	0.089
Mean Gradient Magnitude	0.144
Gradient Variance	0.03
Gradient Smoothness	0.0
Directional Coherence	0.031
Pattern Complexity	0.122
Pattern Repetition	1.0
Detail Frequency Ratio	0.64
Spatial Variation	0.125

Metric Value

Texture Consistency 0.484

BRIGHTNESS & CONTRAST ANALYSIS**Metric Value**

Mean Brightness 0.609

Brightness Variance 0.199

Brightness Uniformity 0.673

Brightness Skewness -0.688

Brightness Entropy 7.211

Rms Contrast 0.199

Michelson Contrast 1.0

Weber Contrast 0.667

Mean Local Contrast 0.019

Contrast Uniformity 0.066

Dynamic Range 0.996

Effective Dynamic Range 0.6

Shadow Percentage 16.369

Midtone Percentage 35.834

Highlight Percentage 47.798

Shadow Clipping 0.0

Highlight Clipping 0.0

Tonal Balance 0.0

Fine Contrast 0.01

Medium Contrast 0.024

Coarse Contrast 0.033

Multiscale Contrast Ratio 0.291

Edge Contrast 0.144

Contrast Clustering 0.516

SPATIAL DISTRIBUTION ANALYSIS**Metric Value**

Spatial Coherence 0.752

Color Clustering 0.92

Color Transition Smoothness 0.626

Transition Uniformity 0.794

Sharp Transition Ratio 0.1

Transition Directionality 0.038

Mean Saturation 0.21

Saturation Variance 0.005

Low Saturation Ratio 0.874

Medium Saturation Ratio 0.125

High Saturation Ratio 0.0

Saturation Clustering 1.0

Hue Concentration 0.995

Complementary Balance 0.0

Analogous Dominance 1.0

Metric	Value
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 (2024). Speed dating — Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0575.html>
- [2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2024/01/speed-dating_6fu.html
- [3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 h <https://multimodal.institute/en/publications/2025/11/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)

2af81ea990ecc8486f945e1986c6ffafb74f2c2fd484452d-f3c62b133d74cf1f

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