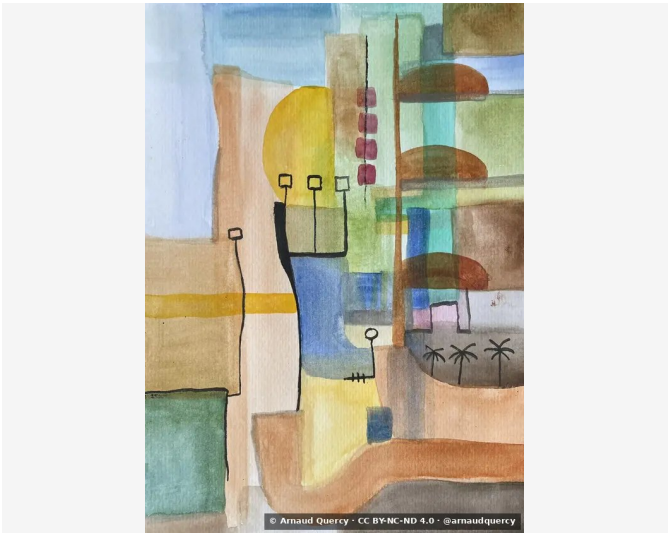


Nanopublication – Computational Image Analysis –
AQC0450

by Arnaud Quercy · The Sunshine State · 2023



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC0450

The [1] artwork The Sunshine State (AQC0450) [2] by Arnaud Quercy [2] underwent comprehensive computational analysis [3] on 2026-02-04. 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]: 1464x2048 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		C8AE84	17.9	yellow-orange	tan
2		D6CBAE	14.9	yellow-orange	silver
3		C2D2E2	13.2	blue-violet	lightblue
4		9A9A81	10.5	yellow	gray
5		7C7B6A	10.1	yellow	grey
6		90B7BD	10.0	blue-green	steel gray
7		C1984E	9.3	yellow-orange	peru
8		755D41	7.8	orange	dark brown
9		6286AB	3.6	blue-violet	grayish purple
10		39362F	2.7	yellow-orange	darkslategray
11		3D6C89	0.3	blue	grayish purple [Accent]
12		659A61	0.3	yellow-green	gray [Accent]
13		BA98AF	0.3	red-violet	steel gray [Accent]
14		93495C	0.3	red	burnt sienna [Accent]
15		64AC96	0.3	green	cadetblue [Accent]

Color Families:

Family	%
yellow-orange	44.8
yellow	20.7
blue-violet	16.8
blue-green	10.0
orange	7.8
blue	0.3
yellow-green	0.3
red-violet	0.3
red	0.3
green	0.3

Accent Colors:

Hex	Family	Name	Chroma
3D6C89	blue	grayish purple	22.1
659A61	yellow-green	gray	37.6
BA98AF	red-violet	steel gray	17.5
93495C	red	burnt sienna	33.1
64AC96	green	cadetblue	28.3

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.156
Mean Local Roughness	0.019
Roughness Uniformity	0.021
Edge Density	0.07
Mean Gradient Magnitude	0.144
Gradient Variance	0.045
Gradient Smoothness	0.0
Directional Coherence	0.013
Pattern Complexity	0.111
Pattern Repetition	1.0
Detail Frequency Ratio	0.627
Spatial Variation	0.071
Texture Consistency	0.733

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.641
Brightness Variance	0.156
Brightness Uniformity	0.756
Brightness Skewness	-0.763
Brightness Entropy	7.208
Rms Contrast	0.156
Michelson Contrast	1.0
Weber Contrast	0.49
Mean Local Contrast	0.019
Contrast Uniformity	0.0
Dynamic Range	1.0
Effective Dynamic Range	0.498
Shadow Percentage	3.996
Midtone Percentage	45.162
Highlight Percentage	50.842
Shadow Clipping	0.0
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.011
Medium Contrast	0.024
Coarse Contrast	0.037
Multiscale Contrast Ratio	0.288
Edge Contrast	0.144
Contrast Clustering	0.267

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.665
Color Clustering	0.605
Color Transition Smoothness	0.63
Transition Uniformity	0.697
Sharp Transition Ratio	0.1
Transition Directionality	0.016
Mean Saturation	0.294
Saturation Variance	0.027
Low Saturation Ratio	0.571
Medium Saturation Ratio	0.408
High Saturation Ratio	0.021
Saturation Clustering	0.999
Hue Concentration	0.527
Complementary Balance	0.158
Analogous Dominance	0.731
Temperature Bias	0.406

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 (2023). The Sunshine State – Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0450.html>

[2] Quercy, A. (2025). Untitled – Gallery. https://artquamanima.com/en/artworks/2023/01/the-sunshine-state_538.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

watercolor abstraction

geometric forms

American Voyage collection

Florida landscape

layered transparency

tan silver tones

contemporary watercolor

Arnaud Quercy technique

EPISTEMIC PROFILE

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

CHECKSUM (SHA-256)

0df953bc6b89e7a66564e6fb3826fe0d29505db058517536dd28f261d9339d4d

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Version	1
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