

Nanopublication – Computational Image Analysis –
AQC0508

by Arnaud Quercy · Promenade aux jardins du Luxembourg, l'été · 2024



CLAIM 1: COMPUTATIONAL IMAGE ANALYSIS - AQC0508

The artwork Promenade [1] aux jardins du Luxembourg, l'été (AQC0508) [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]: 1638x2048 pixels. Analysis date: 2026-02-04.

COLOR ANALYSIS

Rank	Color	Hex	%	Family	Name
1		DAC7B1	20.8	yellow-orange	silver
2		C7B49D	15.4	yellow-orange	tan
3		DB8A44	14.8	orange	peru
4		251D1A	12.8	red-orange	very dark gray
5		57251F	11.2	red-orange	russet
6		8F140D	9.2	red-orange	darkred
7		873330	6.5	red-orange	brown
8		4C3441	3.6	red-violet	dusty mauve
9		DB6B07	3.6	orange	chocolate
10		8F6E76	2.1	red	gray

Color Families:

Family	%
red-orange	39.7
yellow-orange	36.2
orange	18.4
red-violet	3.6
red	2.1

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.262
Mean Local Roughness	0.027
Roughness Uniformity	0.029
Edge Density	0.104
Mean Gradient Magnitude	0.196
Gradient Variance	0.074
Gradient Smoothness	0.0
Directional Coherence	0.01
Pattern Complexity	0.11
Pattern Repetition	1.0
Detail Frequency Ratio	0.629
Spatial Variation	0.153
Texture Consistency	0.661

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.482
Brightness Variance	0.262
Brightness Uniformity	0.457
Brightness Skewness	-0.11
Brightness Entropy	7.322
Rms Contrast	0.262
Michelson Contrast	1.0
Weber Contrast	0.822
Mean Local Contrast	0.027
Contrast Uniformity	0.036
Dynamic Range	0.992
Effective Dynamic Range	0.698
Shadow Percentage	41.959
Midtone Percentage	22.03
Highlight Percentage	36.012
Shadow Clipping	0.001
Highlight Clipping	0.0
Tonal Balance	0.041
Fine Contrast	0.015
Medium Contrast	0.034
Coarse Contrast	0.045
Multiscale Contrast Ratio	0.337
Edge Contrast	0.196
Contrast Clustering	0.339

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.693
Color Clustering	0.598
Color Transition Smoothness	0.499
Transition Uniformity	0.504
Sharp Transition Ratio	0.1
Transition Directionality	0.011
Mean Saturation	0.463
Saturation Variance	0.081
Low Saturation Ratio	0.45
Medium Saturation Ratio	0.318
High Saturation Ratio	0.231
Saturation Clustering	0.998
Hue Concentration	0.944
Complementary Balance	0.0
Analogous Dominance	0.969
Temperature Bias	0.986

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). Promenade aux jardins du Luxembourg, l'été — Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0508.html>

[2] Quercy, A. (2025). Untitled - Gallery. https://artquamanima.com/en/artworks/2024/01/promenade-aux-jardins-du-luxembourg-lete_5ps.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

Luxembourg Gardens

abstract composition

urban nature

geometric forms

yellow-orange tones

red-orange elements

Nature in the city

contemporary painting

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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Artist Arnaud Quercy

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