

# Nanopublication — Computational Image Analysis - AQC0341

by Arnaud Quercy · Blindsight · 2022

## Claim 1: Computational Image Analysis - AQC0341

Analysis record [3]: Blindsight [1] (AQC0341) [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]: 2000x2000 pixels. Analysis date: 2026-02-04.

### COLOR ANALYSIS

Rank	Color Hex	%	Family	Name
1	07080A	48.5	black	black
2	0E0F11	19.2	black	black
3	1C1710	8.1	orange	black
4	191C20	6.8	gray	very dark gray
5	282A2C	4.9	gray	very dark gray
6	362B1C	4.7	orange	very dark gray
7	41413E	3.7	gray	darkslategray
8	56451D	2.3	yellow-orange	dark brown
9	5A5F59	1.0	gray	dimgray
10	7A7028	0.8	yellow	olivedrab

### Color Families:

Family	%
black	67.7
gray	16.4
orange	12.8
yellow-orange	2.3
yellow	0.8

### TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.077
Mean Local Roughness	0.002
Roughness Uniformity	0.004
Edge Density	0.003
Mean Gradient Magnitude	0.015
Gradient Variance	0.002
Gradient Smoothness	0.0
Directional Coherence	0.531
Pattern Complexity	0.067

Metric	Value
Pattern Repetition	1.0
Detail Frequency Ratio	0.576
Spatial Variation	0.053
Texture Consistency	0.317

### BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.082
Brightness Variance	0.077
Brightness Uniformity	0.056
Brightness Skewness	2.087
Brightness Entropy	5.397
Rms Contrast	0.077
Michelson Contrast	1.0
Weber Contrast	0.854
Mean Local Contrast	0.002
Contrast Uniformity	0.0
Dynamic Range	0.502
Effective Dynamic Range	0.235
Shadow Percentage	98.293
Midtone Percentage	1.707
Highlight Percentage	0.0
Shadow Clipping	0.046
Highlight Clipping	0.0
Tonal Balance	0.0
Fine Contrast	0.001
Medium Contrast	0.003
Coarse Contrast	None
Multiscale Contrast Ratio	1.0
Edge Contrast	0.015
Contrast Clustering	0.683

### SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.774
Color Clustering	0.309
Color Transition Smoothness	0.949
Transition Uniformity	0.982
Sharp Transition Ratio	0.1
Transition Directionality	0.546
Mean Saturation	0.315
Saturation Variance	0.029
Low Saturation Ratio	0.38
Medium Saturation Ratio	0.607
High Saturation Ratio	0.013
Saturation Clustering	1.0

Metric	Value
Hue Concentration	0.391
Complementary Balance	0.142
Analogous Dominance	0.687
Temperature Bias	-0.418

## 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 (2022). Blindsight — Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0341.html>
- [2] Quercy, A. (2025). Untitled - Gallery. [https://artquamanima.com/en/artworks/2022/01/blindsight\\_3wu.html](https://artquamanima.com/en/artworks/2022/01/blindsight_3wu.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

<b>Claim type</b>	computational analysis
<b>Voice</b>	third person
<b>Epistemic status</b>	empirical measurement
<b>Methodology</b>	computational analysis
<b>Certainty</b>	high

### CHECKSUM (SHA-256)

9d9c34c969457ec5446d453ae907c93ba7603f1d9a5ff33fc21a5822c8c04e0b

<b>Artist</b>	Arnaud Quercy
<b>Date</b>	2022
<b>Collection</b>	Research on Tensions
<b>Certificate</b>	20221231-0011
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