

Nanopublication — Computational Image Analysis - AQC0949

by Arnaud Quercy · B Minor 7 - Research on Harmony · 2026

Claim 1: Computational Image Analysis - AQC0949

Analysis record [3]: B Minor [1] 7 - Research on Harmony (AQC0949) [2] by Arnaud Quercy [2]. Method: k-means. Parameters: 10 colors. Metrics: color distribution, texture, brightness, spatial patterns. Completed: 2026-03-04.

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]: 1846x2769 pixels. Analysis date: 2026-03-04.

COLOR ANALYSIS

Rank	Color Hex	%	Family	Name
1	A7AAAA	21.5	gray	steel gray
2	BCC0C0	19.7	gray	silver
3	E5E3D5	10.6	yellow	gainsboro
4	232829	8.5	gray	very dark gray
5	DCC58F	8.4	yellow-orange	burlywood
6	3D4A46	7.7	green	darkslategray
7	547C5B	7.6	yellow-green	dimgray
8	7A8B7B	6.2	yellow-green	gray
9	BCAF7D	6.1	yellow	ochre
10	5B92B3	3.7	blue	cadetblue
11	306EAB	0.3	blue-violet	grayish purple [Accent]
12	997A58	0.3	orange	gray [Accent]

Color Families:

Family	%
gray	49.7
yellow	16.6
yellow-green	13.8
yellow-orange	8.4
green	7.7
blue	3.7
blue-violet	0.3
orange	0.3

Accent Colors:

Hex	Family	Name	Chroma
306EAB	blue-violet	grayish purple	38.0
997A58	orange	gray	24.0

TEXTURE ANALYSIS

Metric	Value
Global Roughness	0.217
Mean Local Roughness	0.029
Roughness Uniformity	0.023
Edge Density	0.165
Mean Gradient Magnitude	0.24
Gradient Variance	0.075
Gradient Smoothness	0.0
Directional Coherence	0.021
Pattern Complexity	0.118
Pattern Repetition	1.0
Detail Frequency Ratio	0.632
Spatial Variation	0.104
Texture Consistency	0.733

BRIGHTNESS & CONTRAST ANALYSIS

Metric	Value
Mean Brightness	0.61
Brightness Variance	0.217
Brightness Uniformity	0.644
Brightness Skewness	-0.826
Brightness Entropy	7.503
Rms Contrast	0.217
Michelson Contrast	1.0
Weber Contrast	0.723
Mean Local Contrast	0.032
Contrast Uniformity	0.246
Dynamic Range	1.0
Effective Dynamic Range	0.722
Shadow Percentage	15.556
Midtone Percentage	29.658
Highlight Percentage	54.786
Shadow Clipping	0.0
Highlight Clipping	0.021
Tonal Balance	0.09
Fine Contrast	0.015
Medium Contrast	0.04
Coarse Contrast	0.058
Multiscale Contrast Ratio	0.261
Edge Contrast	0.24
Contrast Clustering	0.267

SPATIAL DISTRIBUTION ANALYSIS

Metric	Value
Spatial Coherence	0.718
Color Clustering	0.823

Metric	Value
Color Transition Smoothness	0.39
Transition Uniformity	0.495
Sharp Transition Ratio	0.1
Transition Directionality	0.02
Mean Saturation	0.159
Saturation Variance	0.024
Low Saturation Ratio	0.772
Medium Saturation Ratio	0.222
High Saturation Ratio	0.006
Saturation Clustering	0.999
Hue Concentration	0.456
Complementary Balance	0.099
Analogous Dominance	0.49
Temperature Bias	-0.167

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). B Minor 7 - Research on Harmony — Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0949.html>
- [2] Quercy, A. (2026). B Minor 7 - Research on Harmony - Gallery. https://artquamanima.com/en/artworks/2026/03/b-minor-7-research-on-harmony_1yfq.html
- [3] Quercy, A. (2025). Computational Image Analysis Standard - MMIDS-CMP-2025 h <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)

7d588bfce8e34d63f7c2334d665eb1769f9c01b28150ed687da4030acce45f-d3

Artist	Arnaud Quercy
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