

Nanopublication – Register-to-Brightness Encoding of the Nocturne's Opening Bars

by Arnaud Quercy [2] · B Major – Research on Harmony – Variation 2 · 2024



CLAIM 2: REGISTER-TO-BRIGHTNESS ENCODING OF THE NOCTURNE'S OPENING BARS

The composition maps the vertical structure of Chopin [3]'s Nocturne as it opens: the rooted B in the bass register (B2) appears as dark green at the base of the painting, the left hand arpeggios spread the triad through the middle range in moderate greens, and the melody entering in the upper register brings brighter yellow-greens and yellows. The same pitches shift in luminosity according to their register – lower is darker, higher is brighter – so that the painting reads from depth to light as the Nocturne unfolds from its bass anchor into song.

CONTEXT

The pitch-to-brightness principle is consistent across my Synesthetic Explorations: within any given color association, lower register appearances are darker and higher register appearances are brighter. This is not an imposed system but an observed regularity in how I experience pitch – the same note played two octaves apart carries the same hue but a different luminosity.

In this painting, the principle becomes structurally visible because the Nocturne's opening establishes a wide registral span. The B2 in the bass sits deep in the keyboard, and I experience it as a dark, almost black-green. The left hand then arpeggiates through the triad in the middle register, producing the forest

greens and olive tones that dominate the central canvas. When the melody enters in the upper register – marked **Andante sostenuto**, gentle and singing – the greens brighten toward yellow-green and the yellow of E appears at its most luminous. The painting's tonal gradient from dark lower-left to bright upper-right traces this registral unfolding.

REFERENCES

[1] Quercy, A. (2024). B Major – Research on Harmony – Variation 2 (AQC0692). Synesthetic Explorations collection. <https://arnaudquercy.art/media/2024/01/b-major-research-on-harmony-variation-2-acrylic-by-arnaud-quercy-aqc0692-7p6.webp>

[2] Quercy, A. (2025). ORCID <https://orcid.org/0009-0000-2662-7790>

[3] Chopin, F. (1837). Nocturne in B Major, Op. 32 No. 1.

WHERE THIS WORK LIVES

Series: B Major
Collection: Synesthetic Explorations
Technique: Acrylic

EXHIBITIONS

- Rencontres au Marché de la Création (2024-04-23 → 2024-12-31, Marché de la Création – Paris Montparnasse, Paris)
- Salon d'art contemporain – Metamorphose, Paris (2024-12-26 → 2025-01-05, Halle des Blancs Manteaux, Paris)
- Permanent Collection 2025 – Resonance in Form (2025-01-01 → 2025-12-31, arnaudquercy.art, Paris)
- Paris Studio Visit (2025-02-18 → 2025-02-18, Artist's Studio, Paris)
- Marché d'Art Contemporain – Seine Port (2025-05-17 → 2025-05-17, MAC Seine-Port, Seine-Port)
- Nuit des Artistes, St Germain-en-Laye, France (2025-05-24 → 2025-05-24, La Nuit des Artistes, Saint-Germain-en-Laye)
- Marché de l'Art de Saint-Germain-en-Laye, 17ème édition – France (2025-06-14 → 2025-06-14, Marché de l'Art, Saint-Germain-en-Laye)
- Salon d'art contemporain – Metamorphose 2025-2026, Paris (2025-12-26 → 2026-01-04, Halle des Blancs Manteaux, Paris)
- Art Quam Anima – Pre-opening (2026-01-31 → 2026-02-28, Art Quam Anima, Paris)
- Through the Aperture – Research on Harmony (2026-03-09 → 2026-04-30, Art Quam Anima, Paris)

OTHER WORKS IN THIS SERIES

- B Major – Research on Harmony
- B Major – Research on Harmony – Variation 1
- B Major – Research on Harmony – Variation 3
- B Major – Research on Harmony – Variation 4

B Major - Research on Harmony - Variation 7

B Major - Research on Harmony - Variation 5

B Major - Research on Harmony - Variation 6

B Major - Research on Harmony - Variations 8

B Major - Research on Harmony - Variations 9

B Major - Research on Harmony - Variations 10

DOCUMENTED AT

Catalogue Raisonné — B Major - Research on Harmony - Variation 2 — B Major - Research on Harmony — Variation 2 — Chromesthetic Acrylic on Linen — Arnaud Quercy (2024)

Gallery — B Major - Research on Harmony - Variation 2

Nanopublication — B Major - Research on Harmony - Variation 2 — Digital Image Documentation - aqc0692_img_full_2043x2043_webp

Nanopublication — B Major - Research on Harmony - Variation 2 — Physical Specifications

Nanopublication — B Major - Research on Harmony - Variation 2 — Computational Image Analysis - AQC0692

Nanopublication — B Major - Research on Harmony - Variation 2 — Chromesthetic Translation of B Major Harmony in Chopin's Nocturne Op. 32 No. 1

Nanopublication — B Major - Research on Harmony - Variation 2 — Delicacy and Construction — Chopin's Dual Character as Visual Form

THEMATIC ELEMENTS

chromesthetic mapping

B Major triad

acrylic on linen canvas

circle of fifths

Chopin Nocturne Op. 32 No. 1

geometric color planes

Research on Harmony

Synesthetic Explorations

green tonal palette

large format painting

EPISTEMIC PROFILE

Claim type	artistic statement
Voice	first person
Epistemic status	embodied knowledge
Methodology	pitch register to brightness mapping
Certainty	high

CHECKSUM (SHA-256)

1e2c4b14b53cf8768268cf90b9500ab89f3a761a86708f80cc9f1230ec7b0cf1

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