

Nanopublication – Perceptual Divergence

by Arnaud Quercy · G Minor – Research on Harmony – Variation 8 · 2025



CLAIM 5: PERCEPTUAL DIVERGENCE

My deuteranopic color perception creates systematic divergence between my intended warm red-orange palette and the resulting violet-orange dominance (43.3% violet, 37.4% orange, 5.4% red-orange) documented through algorithmic analysis.

CONTEXT

Despite my intention to render G minor [1] through warm red-orange tones, the resulting composition exhibits a marked shift toward violet dominance. This divergence is not merely subjective but quantifiably documented through K-means color analysis. The algorithmic analysis reveals 43.3% violet, 37.4% orange, and only 5.4% red-orange in the final work. This gap between intention and result demonstrates how deuteranopic color perception systematically shapes artistic output, making the perceptual condition itself a documented variable in the creative research process.

REFERENCES

[1] Arnaud Quercy (2025). G Minor – Research on Harmony – Variation 8 – Catalog raisonné. <https://arnaudquercy.art/en/catalogue-raisonne/AQC0866.html>

[2] Color Analysis Nanopub – [URL to be added]

[3] Jameson, K.A. (2009). Individual differences in color vision. Annual Review of Psychology, 60, 431-455

WHERE THIS WORK LIVES

THEMATIC ELEMENTS

- chromesthetic mapping
- G minor chord
- synesthetic explorations
- circle of fifths
- watercolor translation
- Mozart Symphony 40
- Autumn Leaves
- musical visualization
- harmonic color theory
- contemporary synesthesia

EPISTEMIC PROFILE

Claim type	artistic statement
Voice	first person
Epistemic status	quantified observation
Methodology	algorithmic verification
Certainty	high

CHECKSUM (SHA-256)

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