



Profiles of Color Synesthesia

The NeCoSyn Method



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Measuring synesthesia in:

several types (of synesthesia)
dimensions of color experiences

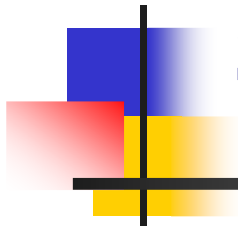


Two central questions:

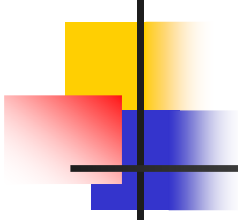
Who is a synesthete?

What are dimensions of
synesthesia?

To be or not be a
synesthete...



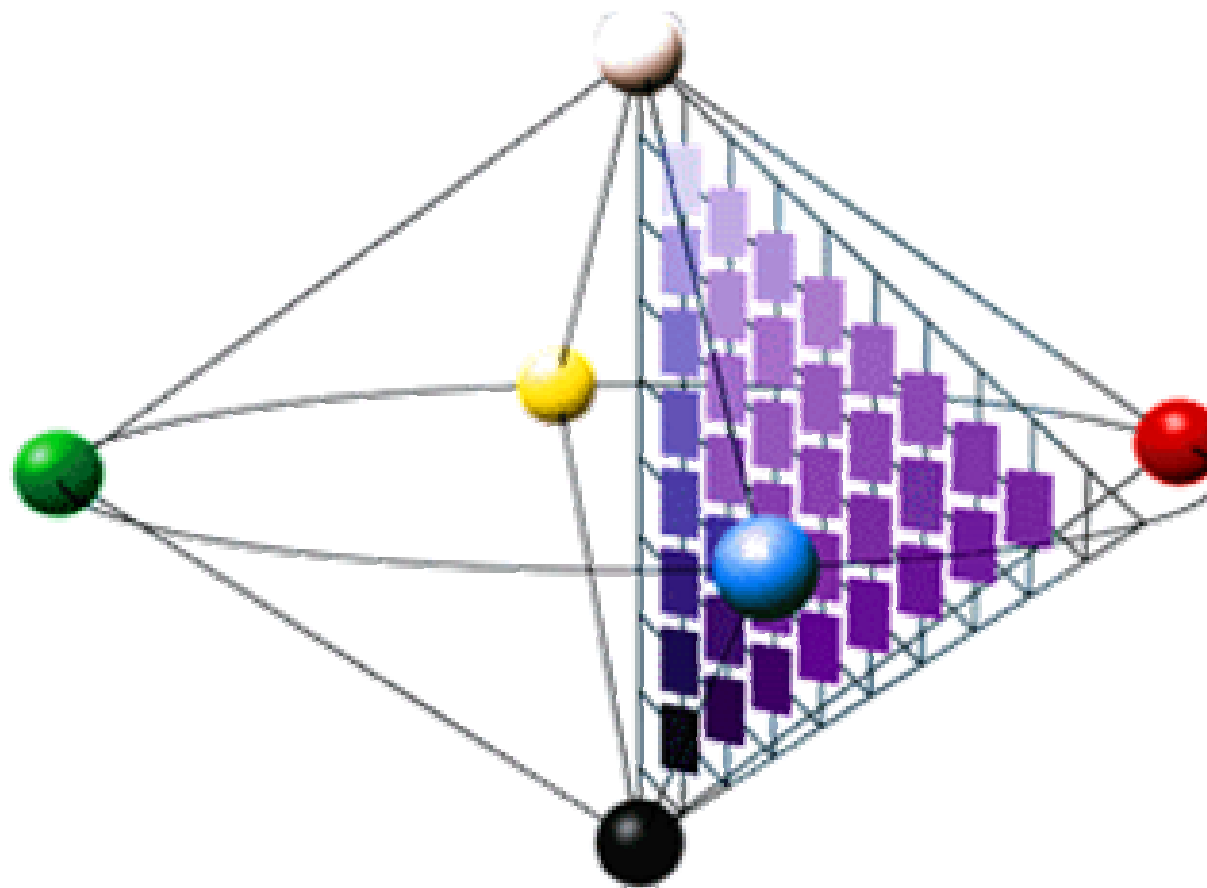
consistency test



Types of synesthesia (dimensions part I)

Colored Graphemes	Colored Touch	Touch -> syn. Hearing
Colored Time Units	Smell -> syn. Sound	Touch -> syn. Smell
Colored Mus. Sounds	Smell -> syn. Touch	Touch -> syn. Taste
Colored Gen. Sounds	Sound -> syn. Smell	Touch -> syn. Temp.
Colored Mus. Notes	Sound -> syn. Taste	Vision -> syn. Hearing
Colored Phonemes	Sound -> syn. Temp.	Vision -> syn. Smell
Colored Odors	Sound -> syn. Touch	Vision -> syn. Taste
Colored Tastes	Taste -> syn. Hearing	Vision -> syn. Temp.
Colored Pain	Taste -> syn. Temp.	Vision -> syn. Touch
Colored Personalities	Taste -> syn. Touch	Person -> syn. Smell
Colored Temperatures	Temp. -> syn. Sound	Touch -> syn. Hearing

Color dimensions (part II)



The Test



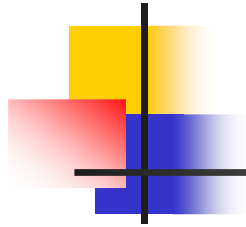
Materials: selection of colors





Materials

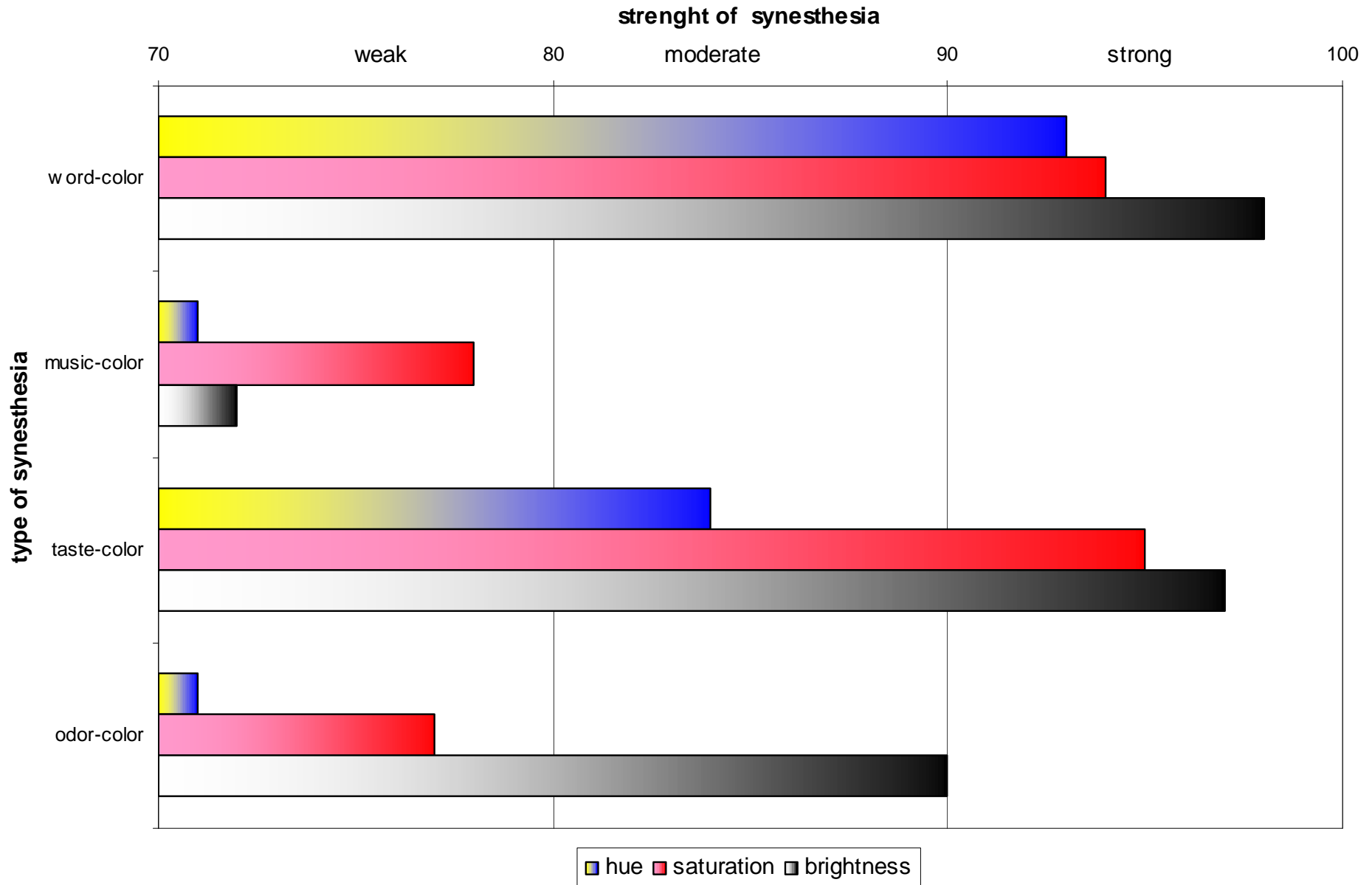
- words
- music
- tastes
- odors



Tasting colors



NeCoSyn Profile of a Synesthete





Applications in Art

- practical tool for artists
- input for musical visualizers (multimedia)
- material for art education



Applications in Science

- supplement to consistency tests
- comparison with subjective reports and brain imaging results
- new light on incidence of synesthesia?



Conclusion

- a practical method for artists and scientists
- extension to other types of synesthesia
- art and science of synesthesia



More info:
<http://synesthesie.nl>

Questions & Remarks:
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