

Colour Shape	PHYSICS Additive - Light	PAINT & DYES Subtractive - Pigments	PERCEPTION Partitive - Eye
Ranking	<a href="#">Leonardo da Vinci</a> <i>(straight line: white, yellow, green, blue, red, black)</i>	<a href="#">Aristotle</a> <i>Investigated colour mixes; developed a model of a linear relationship</i>	
Wheel	<a href="#">Sir Isaac Newton</a> <i>(discovered the spectrum of light – and 7 colours – seen through a prism; asserted these were elementary and not mixable. Created first colour wheel)</i>	<a href="#">Moses Harris</a> <i>Demonstrated subtractive mixing and produced first printed colour wheel</i> <a href="#">George Field</a> <sup>1</sup> <i>A chemist working with pigments and dyes and colour harmonies</i>	<a href="#">Johann Wolfgang Goethe</a> <i>Investigated how the eye interprets colour; developed a symmetric colour wheel</i> <a href="#">Ewald Hering</a> <i>(opponent colours – based on perception not pigment mixing)</i>
Sphere	<a href="#">Aron Sigfrid Forsius</a> <i>First recorded use of a colour wheel – which was actually spherical</i>	<a href="#">Philipp Otto Runge</a> <i>Wrote “The Colour Sphere” Pure colours around the equator; black and white at the poles</i> <a href="#">Johannes Itten</a> <i>Developed colour sphere and star for teaching at Bauhaus</i>	
Triangle	<a href="#">James Clerk Maxwell</a> <i>first two-dimensional colour system based on psychophysical measurements; developed triangle based on spectral colours; forerunner of colorimetry</i> <a href="#">CIE</a> <i>standard valency system "chromaticity diagram"</i>	<a href="#">Faber Birren</a> <i>Design Rational Color circle; interested in colour harmonies; 1937 developed a colour triangle dealing with visual and psychological aspects of colour</i>	<a href="#">Johann Wolfgang Goethe</a> <a href="#">Theory of Colours</a> , started with a circle and then developed a triangle <a href="#">Josef Albers</a> <i>Developed exercises and series to investigate principles of colour relativity, intensity and temperature; used Goethe’s triangle to teach</i>
3D Cone			<a href="#">Michel Eugène Chevreul</a> <sup>2</sup> <i>Developed law of simultaneous contrast</i> <a href="#">Wilhelm Ostwald</a> <i>two cones joined at the base; influenced Munsell</i>
3D column			<a href="#">Nicholas Ogden Rood</a> <sup>3</sup> <i>Purity, luminosity and hue</i>
Tree (around a column)			<a href="#">Albert Henry Munsell</a> <i>Colour tree has irregular outer profile and is based on hue, intensity and value</i> <a href="#">ISCC-NBS system</a> <i>Colour name classification - segments</i>
Cube	<a href="#">CIE Lab</a>	<a href="#">Alfred Hickethier</a> <i>1000 colours in a cube; based on 3 colour printing inks; primary colours at corners of cube</i>	

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<sup>1</sup> Otto Runge influenced the Pre-Raphaelites

<sup>2</sup> Chevreul's work influenced the movements in art known as Impressionism, Neoimpressionism and Orphic Cubism

<sup>3</sup> Ogden Rood influenced the Impressionists and Seurat in particular

## Sources and Bibliography:

I've used the following as source material for the table.

1. The information sites that I've developed and continue to work on in relation to colour used by artists. These provide a home for links to most references found on the Internet in one form or another. These are:
  - [Colour – Resources for Artists](#)
  - [Colour science, systems and models - Resources for Artists.](#)
  - [Colour - Art Book Reviews for Artists](#)
2. Wikipedia
3. [Virtual Colour Museum- Colour order systems in art and science](#) – links to all the names above are to this site (available in English French and German)
4. [The Handprint site](#) – by Bruce MacEvoy . Highly recommended. A good starting point is [Handprint – color models and color wheels](#)
5. [Colour by Edith Anderson Feisner](#) – a very comprehensive book about all aspects of colour and very readable. Highly recommended.
6. [Color and Culture: Practice and Meaning from Antiquity to Abstraction](#) by John Gage. This is a fascinating book for serious study. Recommended.