

COLOR MODEL TIMELINE GIVES BIRTH TO NEW GEM

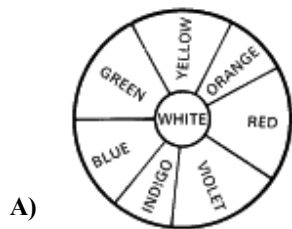
This collection of color models, compiled by F. Gerritsen, shows the extensive thought and theory that surrounds the phenomenon of color.

By Winston Wong

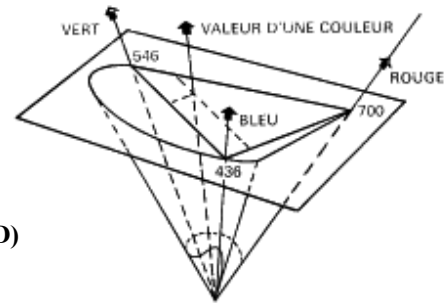
Every revelation in color theory has brought about new models by which the perception of color can be understood and subsequently, taught. Whether driven by a new discovery or technological advance, each progression changes the way we think about color.

This historical account of color is not unlike a “color model museum” where, like most concepts, significant changes in knowledge are recorded for posterity.

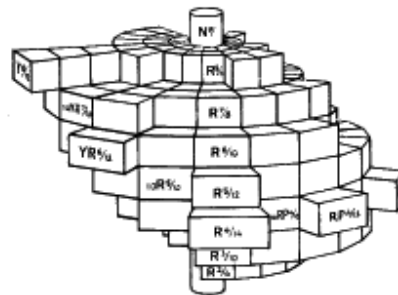
The majority of these color models are thematic around basic geometric shapes. Circular models, which later become spherical, appear the most frequently and are very much in use today. Triangles are also used fairly extensively having evolved into intricate cones and pyramids. It is the square and cubic models, however, that draw an increasing amount of attention as a means of mapping out visual color spaces.



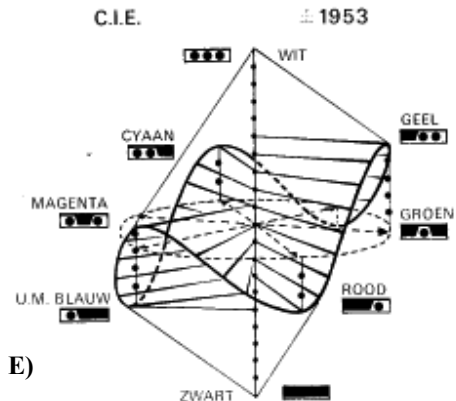
A) NEWTON 1660



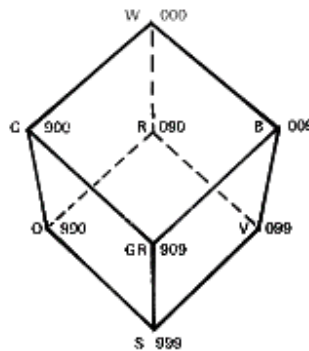
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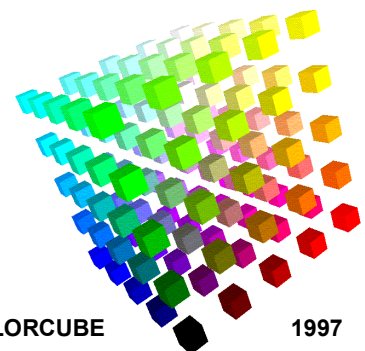
B) MUNSELL 1915



E)



C) HICKETHIER 1940



F)

COLORCUBE 1997

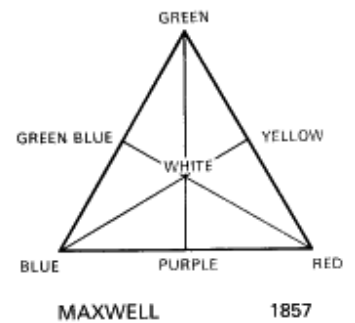
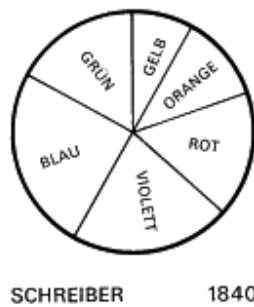
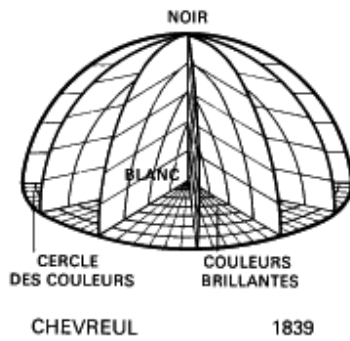
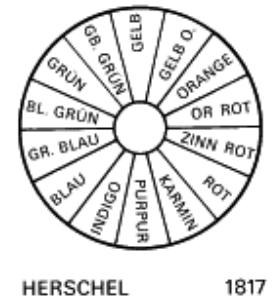
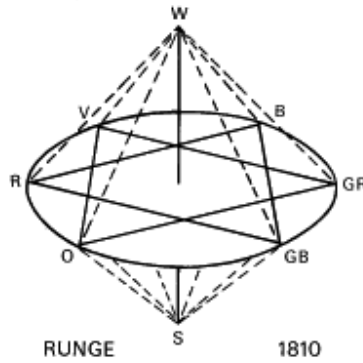
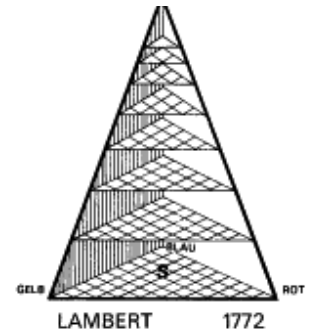
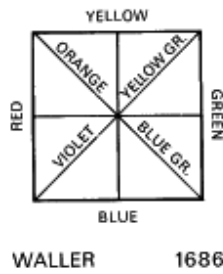
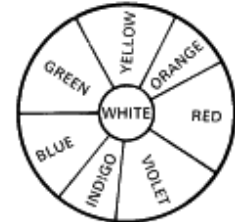
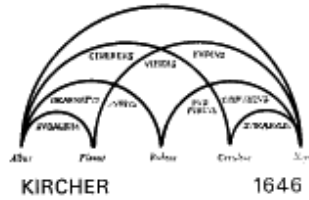
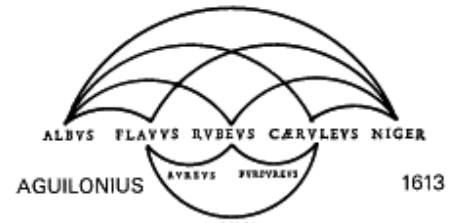
Various models of significance:

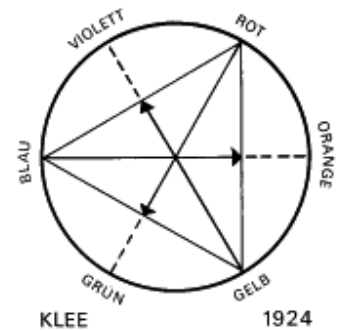
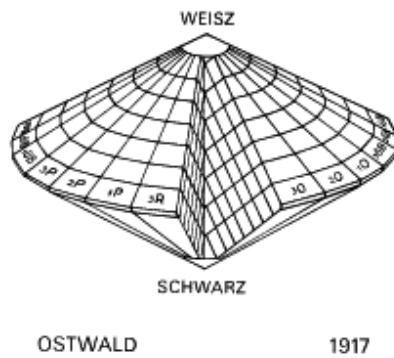
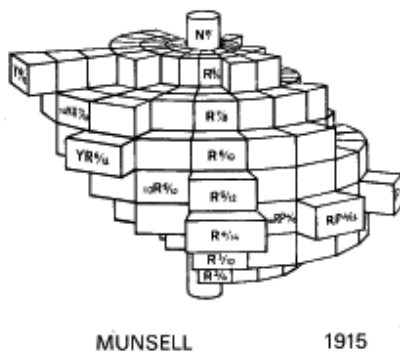
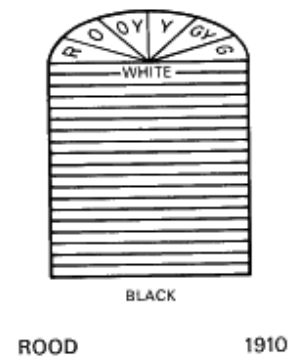
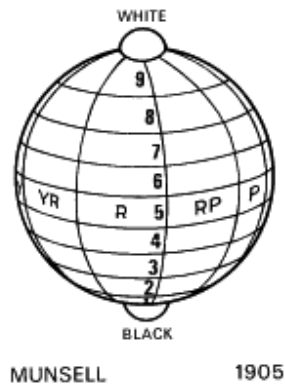
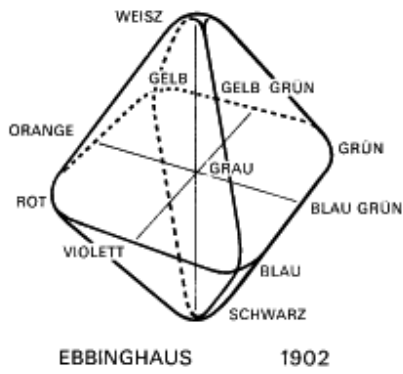
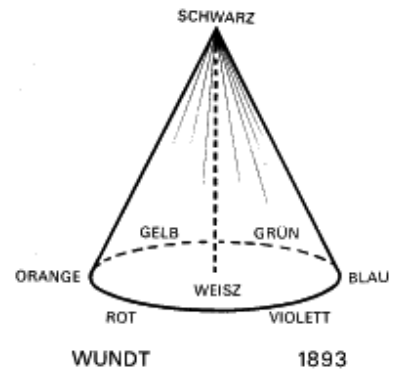
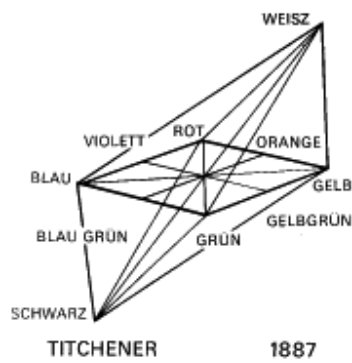
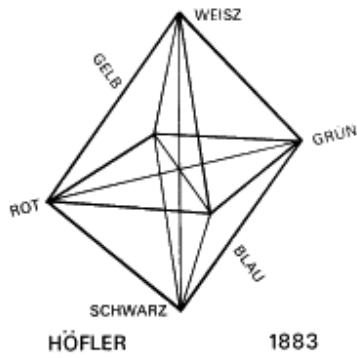
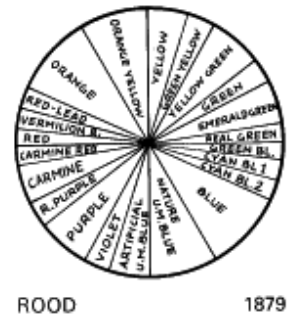
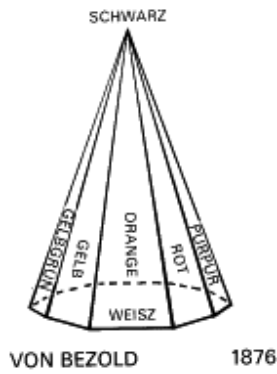
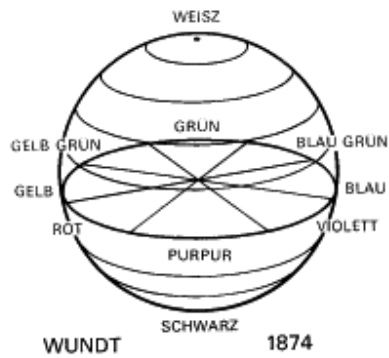
- A) Newton's color wheel – resulting from splitting white light into the colors of the rainbow.
- B) Munsell Sphere – a popular spherical model.
- C) Hicethier – the first known “cubic” model.
- D) CIE – model used by official international organization.
- E) Gerritsen – invented by the color theorist who compiled the models shown here.
- F) COLORCUBE - the latest step in color model technology.

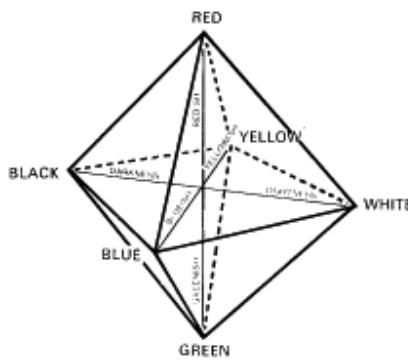
Other models of significance in the diagrams are the Munsell Spheres and the CIE diagrams that, in their own rights, are the standards by which color is generally measured.

For the purposes of teaching color especially with respect to color storage and manipulation within computer technology, the **COLORCUBE** model proves to be excellent. It is at once artistically simple and scientifically relevant. At last, there is a model that meets the needs of artists and scientists alike.

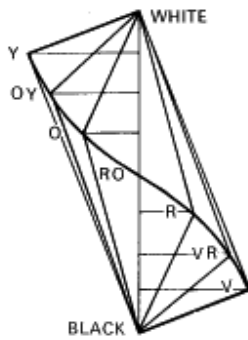
We hope you enjoy seeing and contemplating how others have tried to understand color. This begs the question: what model best defines how you envision color?



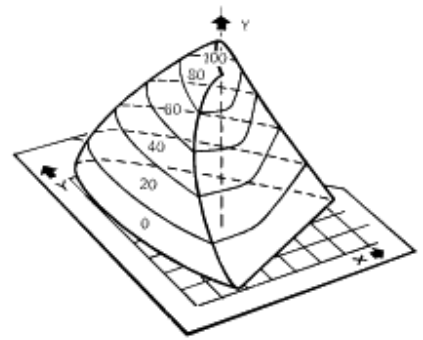




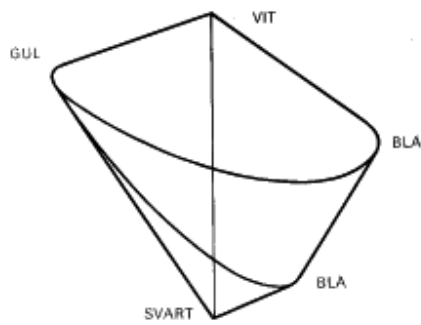
BORING 1929



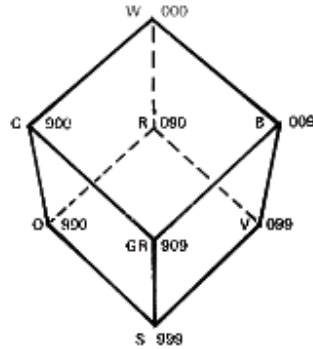
POPE 1929



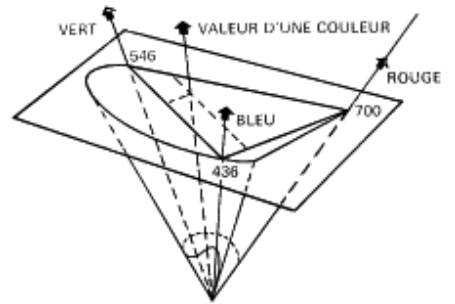
MAC ADAM 1935 RÖSCH 1953



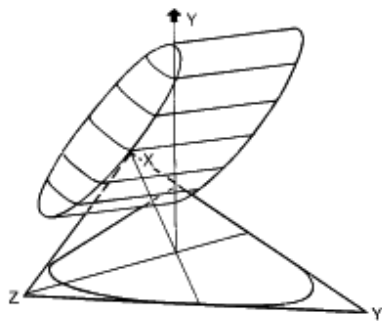
JOHANSSON 1939



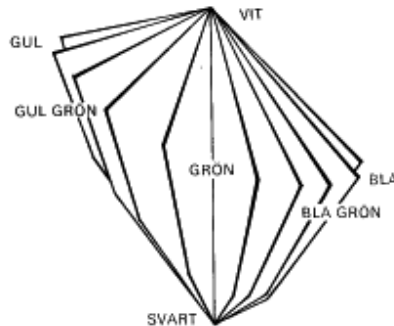
HICKETHIER 1940



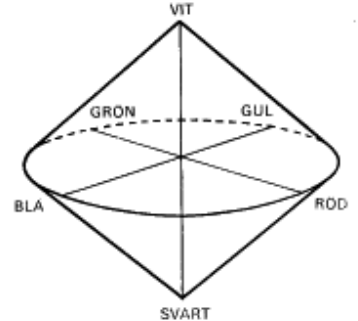
C.I.E. 1953



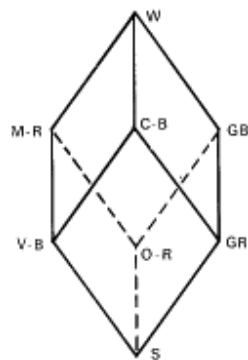
LUTHER-NYBERG 1955



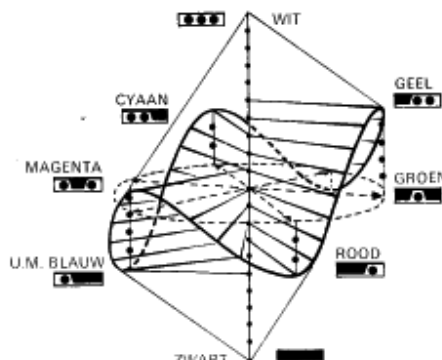
HESSELGREN 1955



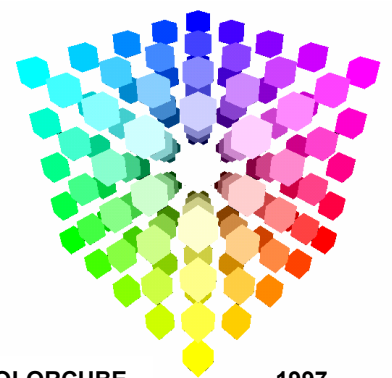
HÅRD 1968



KÜPPERS 1972



GERRITSEN 1975



COLORCUBE 1997