



## Learn Colors

Many are familiar with the commonly known 'color wheel' RYB. RYB stands for red, yellow, and blue—three main colors that are combined to create another set of colors. It was taught by teachers in primary school, and also accepted worldwide. Despite this globally distributed information, color is more complicated than the conventional diagram. There is some complication, like ideal green was not fully achieved when combining blue and yellow paints.

**ACTIVITY.** There are given words in the box you need to classify depending on their general terms.

scarlet	lemon	blonde	cyan	amber	navy
cobalt	marigold	crimson	sky	ruby	maroon

RED	YELLOW	BLUE

Using three main colors, the secondary colors were made—green, violet, and orange. These are quite familiar, but there are also terms related to them. They were also taught in elementary days and seen worldwide.

**ACTIVITY.** Based on your interpretation, write anything that can symbolize each listed color below.

GREEN	VIOLET	ORANGE



In **1906**, The four-color wet process inks were incorporated by the Eagle Printing Ink Company, which is now called CMYK or CMY. This is composed of different three main colors—cyan, magenta, and yellow. Despite having different main colors from RYB, they both create the same result which is black, the ‘key color’ of CMYK.

In **1982**, RGB was introduced by John Logie, a color TV pioneer in the world’s first RGB color transmission. Even after RGB, the teaching of RYB as the main color spectrum was continued. This is the reason why images on screen appear colorful in the sight of the viewers.

**ACTIVITY.** Give the meaning of three acronyms.

RYB	
CMYK	
RGB	

**ACTIVITY.** Compare the three color theory theories. Where are they commonly used?

<b>RYB</b>	<b>CMYK</b>	<b>RGB</b>

### **RAINBOW**

Rainbow, despite its simple term, its concept is much more complex to understand. It was originally labeled as ROYGBIV, or ‘red’, ‘orange’, ‘yellow’, ‘green’, ‘blue’, ‘indigo’, and ‘violet’. These were recognized colors when a colorful light ray reflected the sky. Colors in the light spectrum are not limited to these seven colors. Commission Internationale de l’Eclairage or CIE was created to illustrate colors that are not real, or those that can’t be seen with bare eyes.



Any color can be one of the main colors. Main color means a color that produces another color if you mix with other main colors. Any colors can produce any, like an infinite spectrum, a wheel of colors.

**ACTIVITY.** Think of your favorite color and describe it. Do you often wear it? Do you often see it in your environment? Discuss it with your teacher.