

Light and Sound

Learning Objective:

To investigate the colours that are found in visible light.

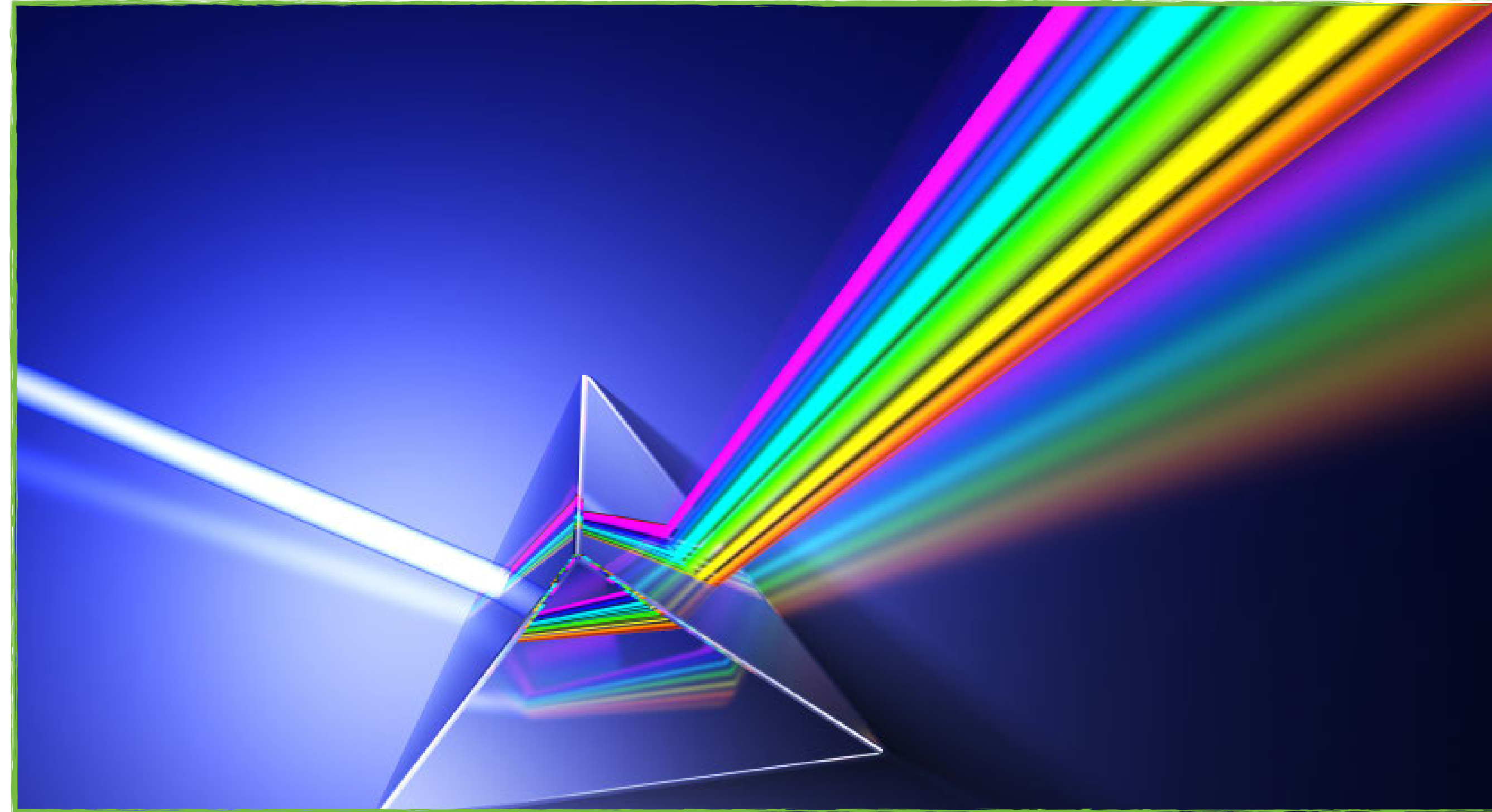
When we draw pictures of sunlight we often think of the colour yellow. What colour do you think sunlight is?



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Light from the sun, as well as from some other sources, is known as white light. White light contains all the colours that the human eye can see: red, orange, yellow, green, blue, indigo, violet and everything in between. This can be seen when light hits a prism - the light splits into the different colours.



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You can see this if you look underneath a CD or DVD. Have a careful look for yourself..



What colours can you see?

What happens to the colours when you move the CD?

Are the colours always in the same order?

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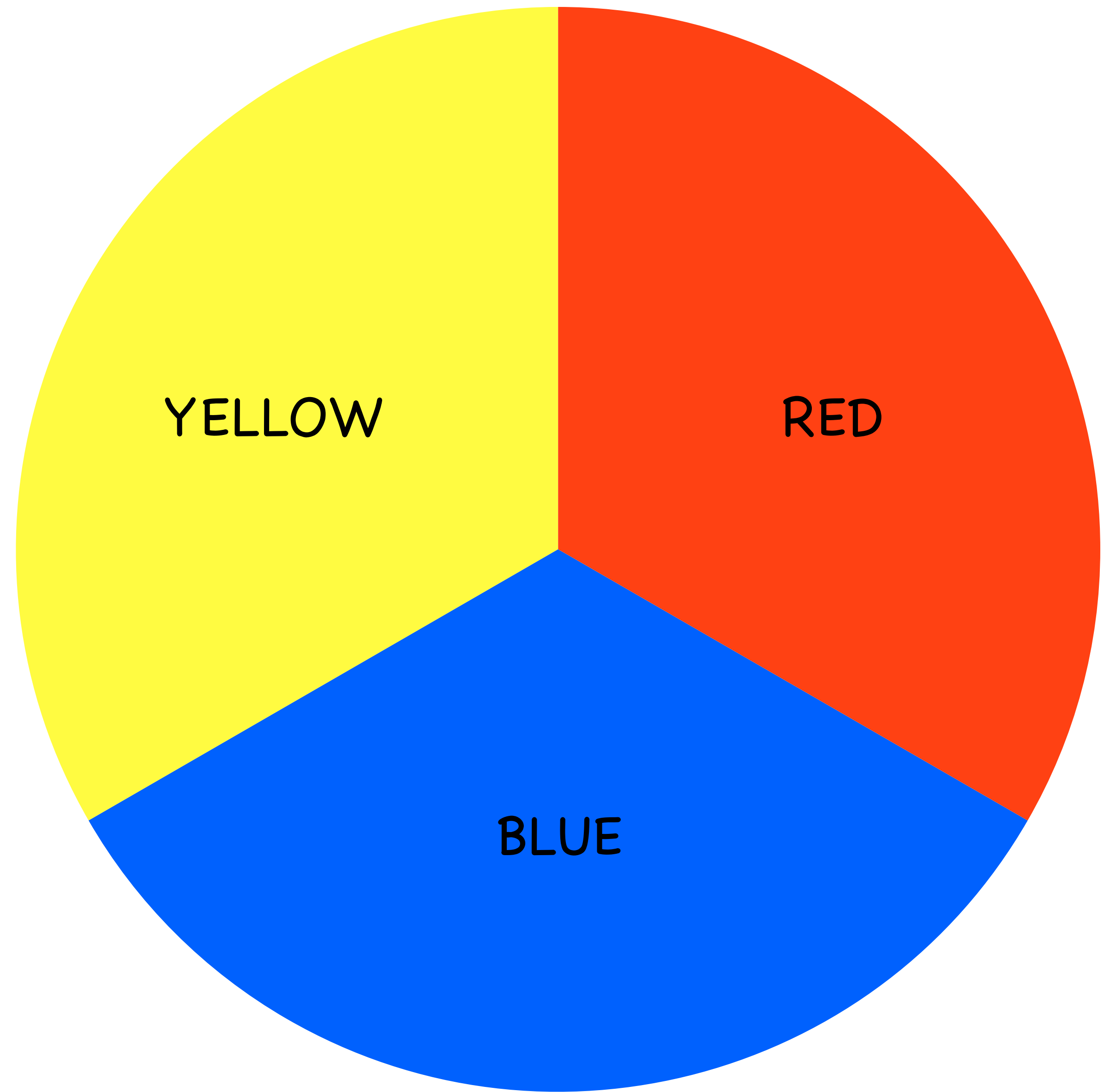
What colours can you see in the CDs?
Write them down here:

A large empty rectangular box for writing the answer.

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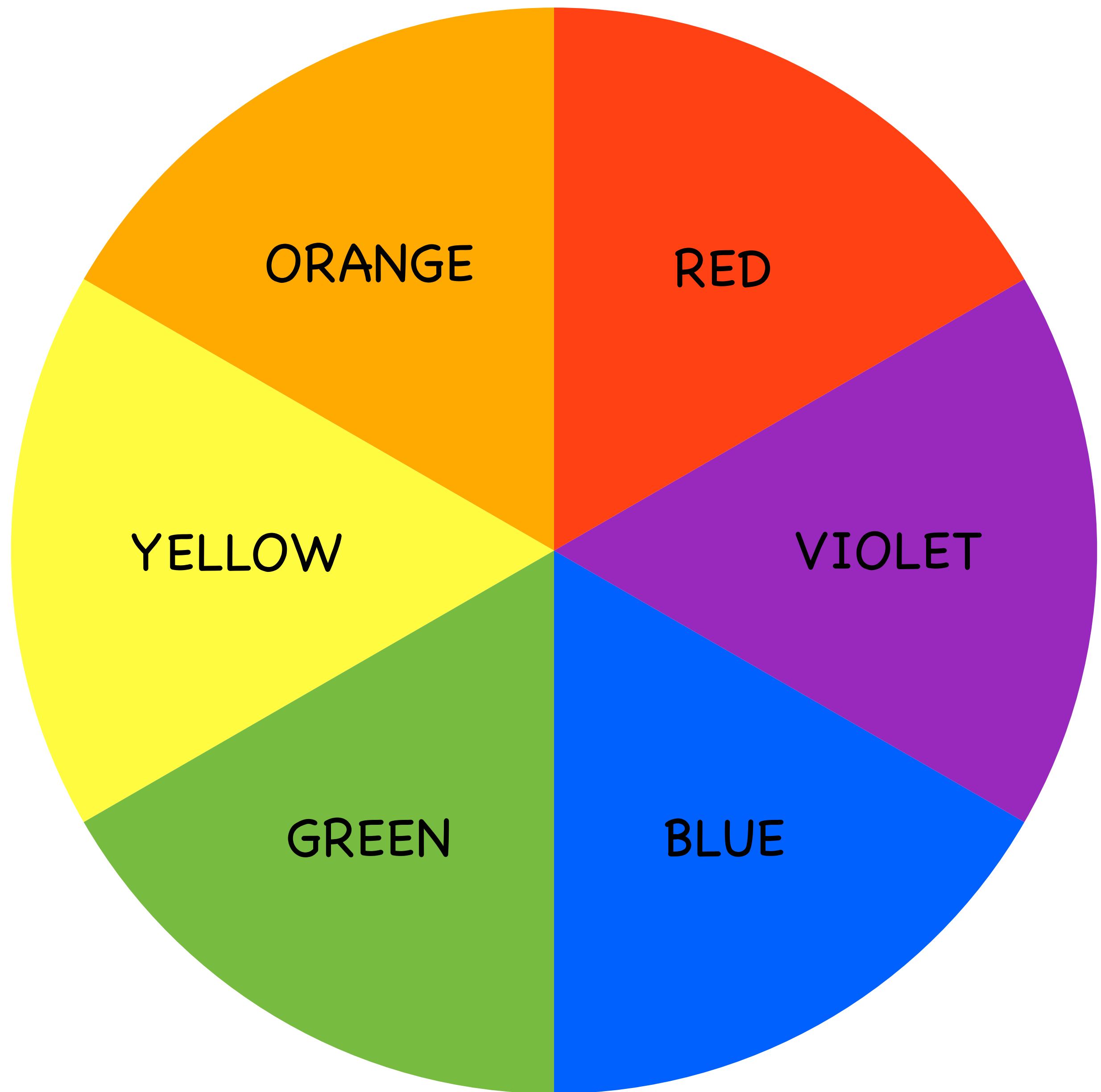
There are lots of colours all around us. The 3 most important colours are RED, BLUE and YELLOW. These 3 colours are known as the PRIMARY COLOURS. You can make any other colour in the rainbow using just these 3 colours.



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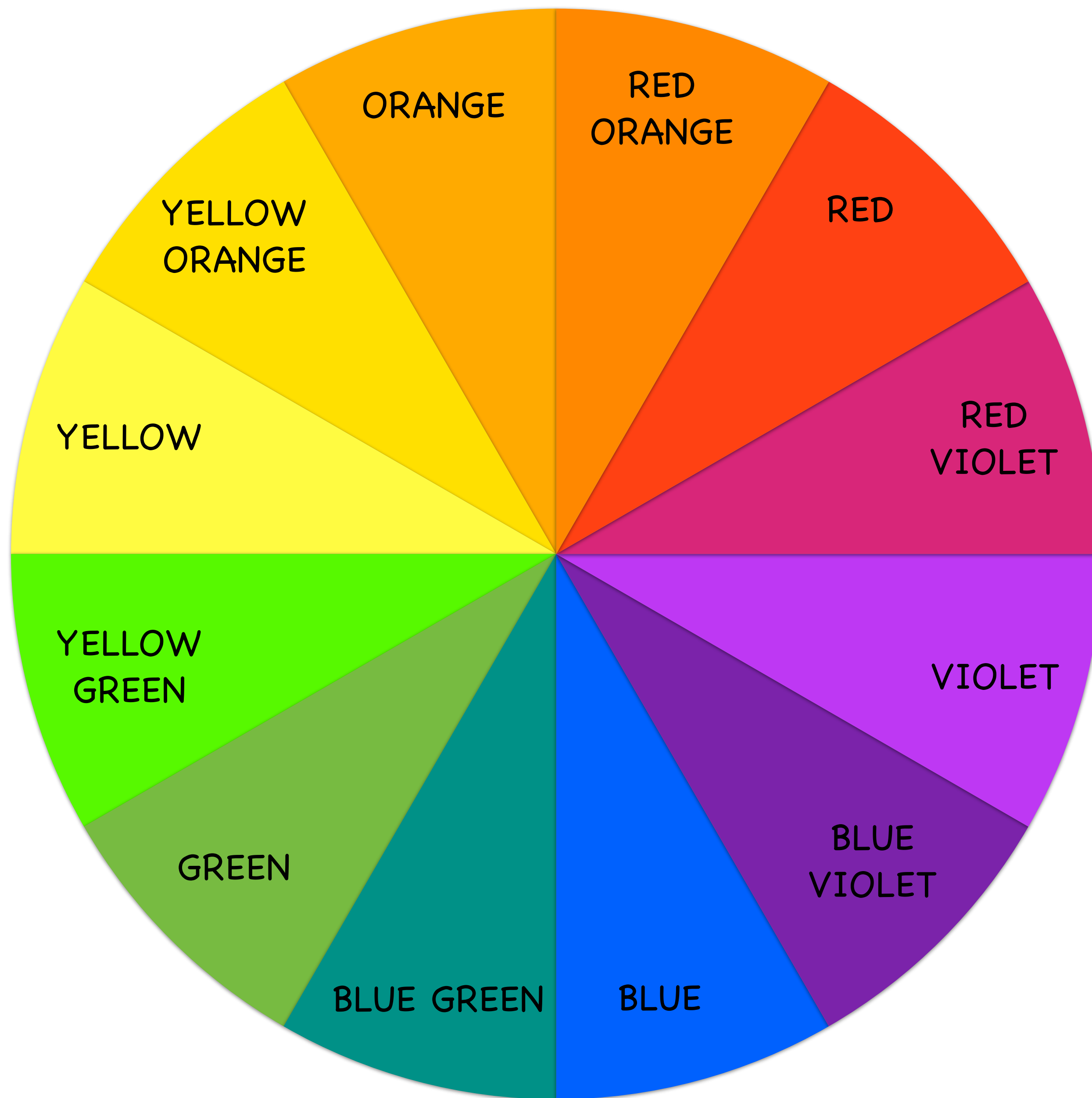
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When you mix two primary colours together, you get a **SECONDARY COLOUR**. The secondary colours are **ORANGE**, **VIOLET** and **GREEN**. You mix red and yellow to make orange, blue and red to get violet, and yellow and blue to make green.



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You can mix things up even more too. When you mix a primary colour and a secondary colour, you get a **TERTIARY COLOUR**. Can you spot the tertiary colours in this colour wheel? How were the colours made?

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