

Colour systems

There are two different kinds of colour systems we can see in the world around us – colours you can touch, like those printed on a paper or the yellow on the skin of a ripe mango. These are part of the surface of that object. Then there are colours you can see but cannot touch, like the colours produced by your computer screen or a toy laser gun. Colours generated by light are part of one colour system and tangible colours which are on the surface of objects belong to another colour system.

Additive Colour System: Red – Green – Blue (RGB)

Primary colours are those that cannot be mixed or formed by any combination of other colours. On your TV screen or on a stage during a concert dots or beams of red, green and blue lights mix to create a variety of hues and shades.

This is used extensively in stage lighting and production design of plays, concerts, dance performances and live TV. In the following activity, you be the production designer and adjust the intensity of Red, Blue and Green lights to match the colour of the lights on the stage

