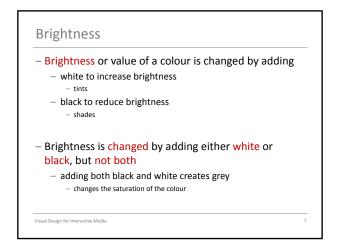


Neutral colours - Black is the darkest possible colour - minimum amount of light reaches the eyes - White is the lightest possible colour - maximum amount of light reaches the eyes - Mixing black and white in varying proportions produces a range of greys - All the greys together with black and white are called neutral colours

Chromatic colours - Chromatic colours are all the colours other than the neutral colours - Chromatic colours consist of three components - hue - what we call the colour (e.g. red) - brightness or value - the amount of light (e.g. dark red) - saturation or chroma - the amount of gray (e.g. dull red)

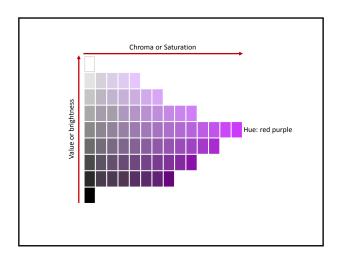
Hue - Hue is what we often refer to as the "colour" - Primary hues are the basic hues from which other hues can be made - paining: red, blue, yellow - light: red, green, blue - Secondary hues are created by mixing 2 primary hues - paining: purple (r, b), green (b, y), orange (y, r) - light: yellow (r, g), cyan (b, g), magenta (b, r)

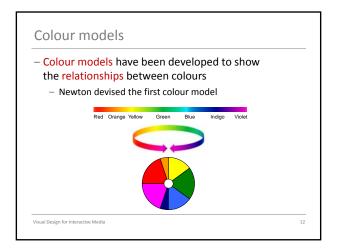




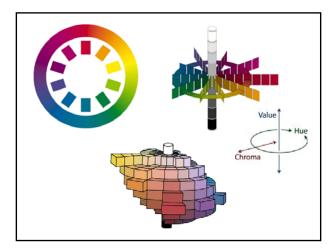
Saturation - Saturation or chroma of a colour is reduced by adding grey - fully saturated colours (vivid) - have no grey - unsaturated colours (muddy or dull) - have more grey - desaturated colours (grey scale) - have no saturation - Our vision is less sensitive to saturation than it is to brightness

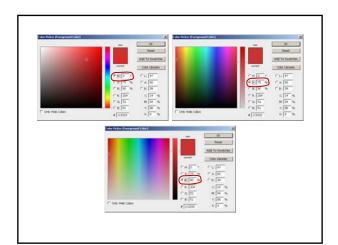




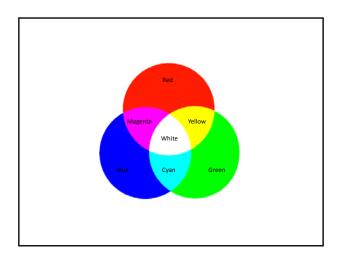


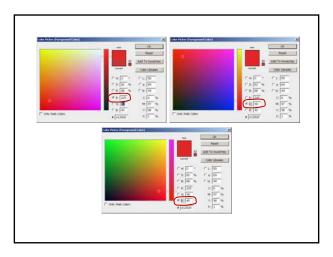


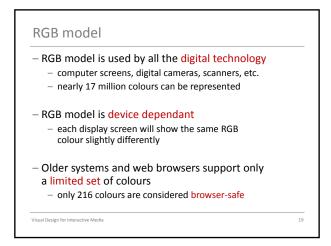


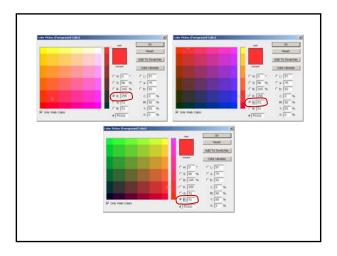


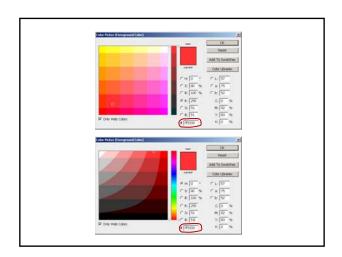
RGB model - RGB model describes colours using a mixture of the light primaries - red, green, and blue - each can have a value between 0 and 255 - Mixing 255 of all the primaries creates white - Mixing 0 of all the primaries creates black - RGB is an additive colour model

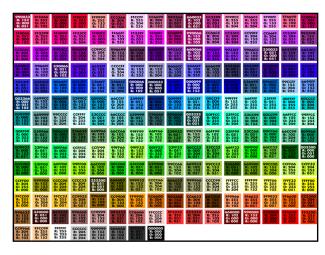












The psychology of colour

- All colours produce emotional and behavioural effects

- There is no single unified psychological response to specific colours

- most are based on individual experiences

- many cultures differ in their association of meaning with different colours

- Despite this, it is important to understand the emotional attributes of the main colour groups

