

Colour and nature



Learn more about colour with the Resene Everywhere colour series. Modules include:

Changing colour

Colour wheels

Colour and nature

Colour in art

Colour of light

Decorating colour

Dissolving colour

Dotted colour

Everywhere colour

Eyes and rainbows

Filtering colour

Illusion and tricks with colour

Making colour - Dye

Mixing colour

Reflecting colour

Safety colour

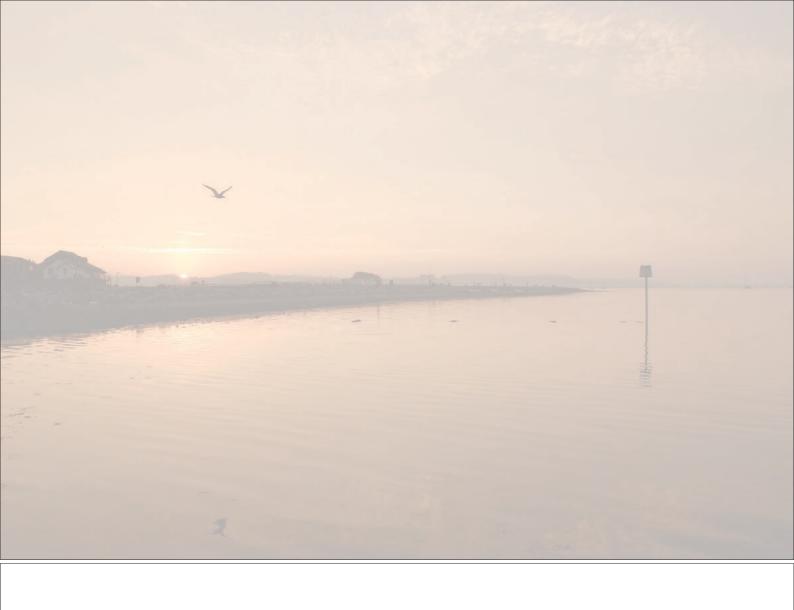
Seeing colour - Animals

Seeing colour - Humans



In New Zealand:

In Australia:



Colour and nature

The colours we see outside change each day and throughout the day depending on the amount of light. On a sunny day everything looks brighter and more colourful. On a rainy day everything looks duller and greyer. At night everything looks grey or black depending on the moonlight and artificial lighting.

Even the sky changes from blue during the day to often red or orange as the sun rises and sets.

This is because of the atmosphere surrounding the earth. It is made up of billions of particles that are so small they can't be seen with a human eye. Light hits the particles as it travels from the sun to the earth, bouncing off them and scattering around.

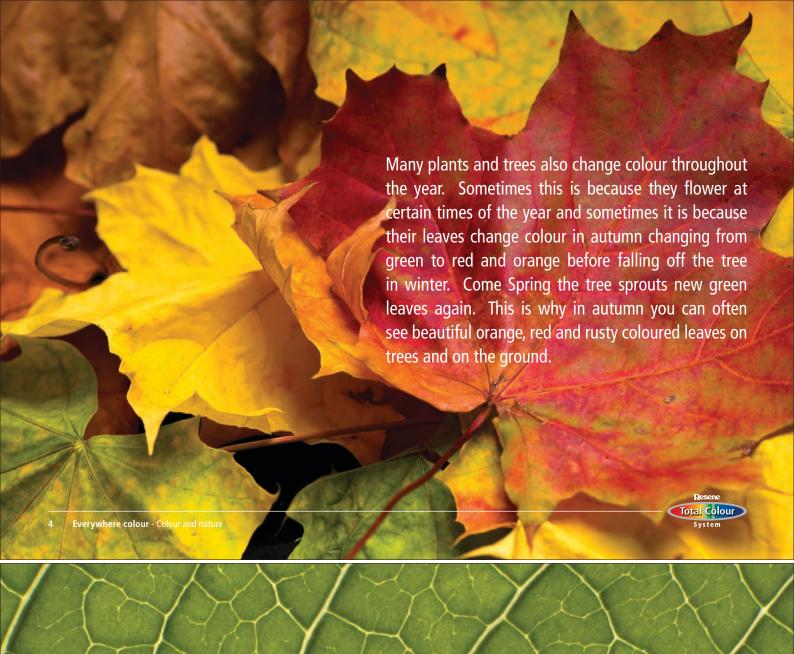
During sunrises and sunsets the sun is low in the sky which means it needs to travel through a thicker layer of the atmosphere. This means the sunlight is bounced off more particles so most of the blue and violet light is scattered leaving only the orange and red light to colour the sunrise or sunset.

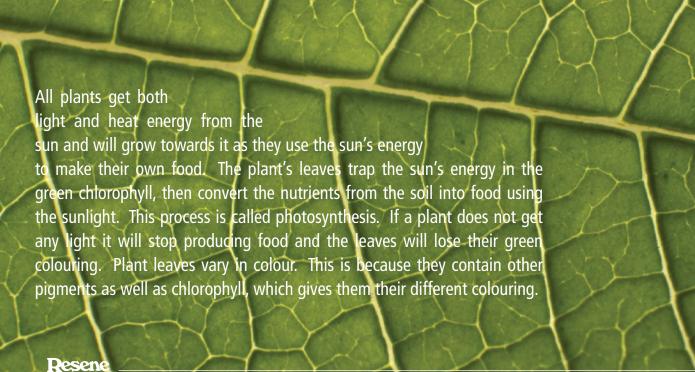
During the middle of the day the sun is higher in the sky. Less sunlight is scattered leaving more blue light to travel through the atmosphere so we can see it.



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When there are volcanic eruptions like the one at Mt Ruapehu, the dust from the eruption enters the atmosphere and scatters the blue light leaving more orange and red light to reach the earth. This is why after the Mt Ruapehu eruption lots of people living near the mountain saw very beautiful coloured sunsets.

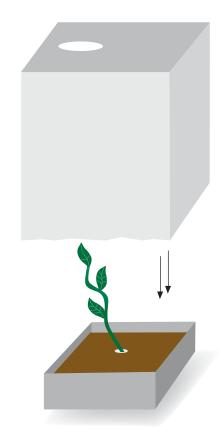






Growing toward the sun

Plant a small seedling in a pot, water and then cut a small hole in the bottom of a paper bag or box and place over the seedling. The plant will appear through the hole as it grows towards the light.

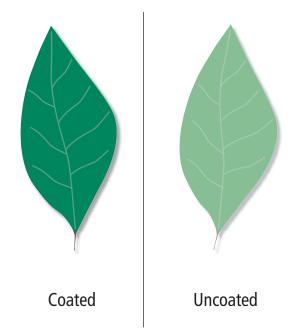


Try this!

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Keeping green

Collect two leaves from up to 10 different plants or trees. Coat one leaf from each pair using Resene Multishield+glaze. Leave the second leaf uncoated. Do this for each pair of leaves until you have 10 coated leaves and 10 uncoated leaves. Leave them out of reach and away from sunlight to dry. The glaze will seal in the green colouring of the leaf. The uncoated leaves will start to lose their colour as no food is being produced and they are not protected by the glaze.



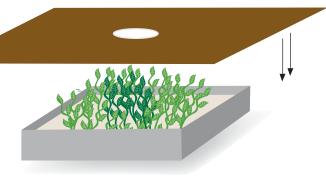


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Try this!

Growing green

Plant a shallow tray with alfafa and water until the first sprouts appear. Cut a piece of thick cardboard so it completely covers the tray and there is 3 cms of spare cardboard on each side of the tray. In the middle cut out a small circle about 6 cm wide. Place the cardboard over the tray. Leave sprouts to grow in a sunny area, watering as you



need to. Make sure the card stays on the tray while the sprouts are growing. Once the sprouts have grown remove the card. You should be able to see the circle where the hole was because the alfafa will be a much darker green. This is because the sprouts need energy to produce food and the ones below the cutout circle received the most energy as they were uncovered.

Now that your sprouts have grown you can start picking them and eating them... yum!