

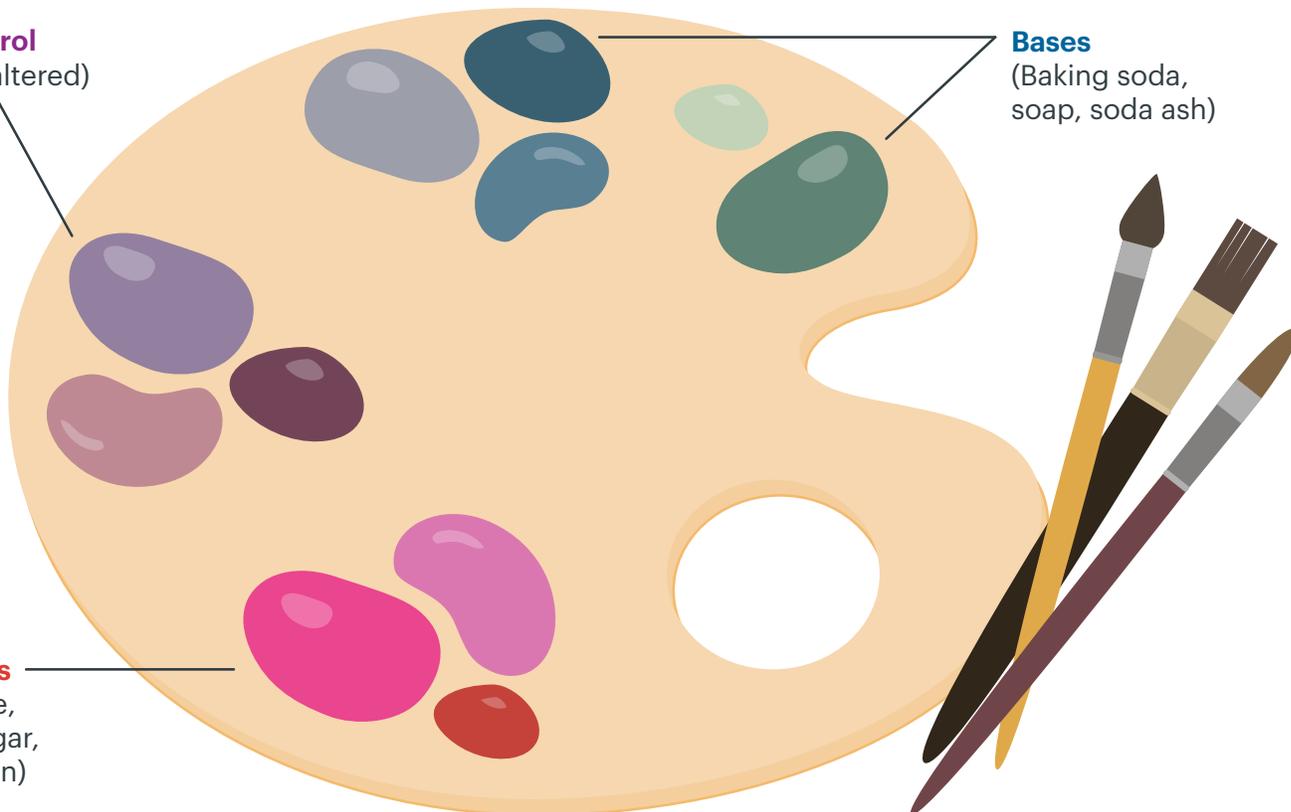


What colors can you get?

Control
(Un-altered)

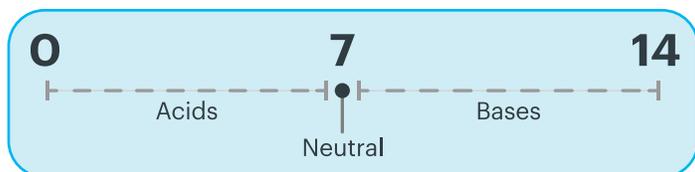
Bases
(Baking soda, soap, soda ash)

Acids
(Lime, vinegar, lemon)



Acids, bases, and pH

Scientists measure acids and bases using a scale that goes from 0-14, called the pH scale. Different acids and bases fall at different places along the scale.



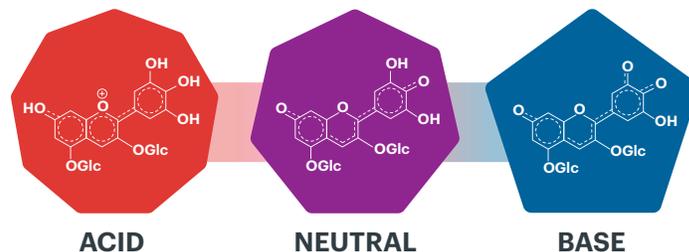
What else might impact my colors?

In addition to the acids and bases you add, paint colors can also be affected by the chemistry of your water source, ingredient choices, type of paper, and even variation between cabbages!



Why does the color change?

Molecules in red cabbage, called anthocyanins, are sensitive to the pH of their environment. Changes in pH affect the molecule's shape. This alters how they interact with light, making them a different color!



Learn More



[Why is Red Cabbage Special?](#)

Check out [Cabbage Inks](#) on The Tech Interactive at Home