

# paletteLerp()

Blends multiple colors to find a color between them.

The `amt` parameter specifies the amount to interpolate between the color stops which are colors at each `amt` value "location" with `amt` values that are between 2 color stops interpolating between them based on its relative distance to both.

The way that colors are interpolated depends on the current `colorMode()`.

## Examples



```
function setup() {
  createCanvas(400, 400);
}

function draw() {
  // The background goes from white to red to green to blue fill
  background(paletteLerp([
    ['white', 0],
    ['red', 0.05],
    ['green', 0.25],
    ['blue', 1]
  ], millis() / 10000 % 1));
}
```

## Syntax

```
paletteLerp(colors_stops, amt)
```

## Parameters

|              |  |
|--------------|--|
| colors_stops | [p5.Color, Number][][]: color stops to interpolate from      |
| amt          | Number: number to use to interpolate relative to color stops |

## Returns

p5.Color: interpolated color.

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## Related References

[setAlpha](#)

Sets the alpha (transparency) value of a color.

[setBlue](#)

Sets the blue component of a color.

[setGreen](#)

Sets the green component of a color.

[setRed](#)

Sets the red component of a color.

p5.js

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