

## Using Maps

In Sass, the map data type represents one or more key/value pairs.

Sass maps are immutable (they cannot change). So, the map functions that return a map, will return a new map, and not change the original map.

The following table lists all map functions in Sass:

- `map-get(map, key)`
- `map-has-key(map, key)`
- `map-keys(map)`
- `map-merge(map1, map2)`
- `map-remove(map, keys...)`
- `map-values(map)`

Example:

`_variable.scss` file

```
// color palette
$colors: (
  "primary": $primary,
  "secondary": $secondary,
  "error": $error,
  "info": $info,
  "blue": #1919e6,
  "red": #e61919,
  "yellow": #e6e619,
  "green": #19e635,
  "orange": #ffa600,
  "purple": #9900ff,
  "gray": #808080,
  "black": black,
  "white": white,
);

.test-btn {
  background: map-get($colors, "purple");
}

@debug map-get($colors, "purple");
@debug map-has-key($colors, "secondary");
@debug map-has-key($colors, "tertiary");
@debug map-remove($colors, "primary");
@debug map-merge($colors, ("pink": #ffc0cb));
```

