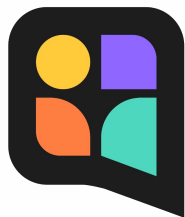


# Unit testy v SCSS

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Alma Career Czechia, Netvor

[krysp.in](https://krysp.in)

Frontendisti – 15. 5. 2024



**Alma  
Career.**

**Jobs.cz, Prace.cz,  
Seduo, Teamio, Spirit, ...**

**Design System Architect**



**NETVOR**

**Respekt.cz, Fondée.cz,  
Plakatov.cz, ...**

**Frontend Team Lead**



## Spirit Design System

maintained with [lerna](#) Code Quality Checks [passing](#) [coverage](#) [81%](#)

Spirit is an open-source design system developed by [Alma Career \(formerly LMC\)](#).

## Packages

Package name	Description	Version
<a href="#">@lmc-eu/spirit-design-tokens</a>	Design tokens for Spirit Design System	npm <a href="#">v1.1.5</a>
<a href="#">@lmc-eu/spirit-web</a>	CSS and vanilla JS implementation of Spirit Design System	npm <a href="#">v1.13.1</a>
<a href="#">@lmc-eu/spirit-web-react</a>	React implementation of Spirit Design System components	npm <a href="#">v1.16.1</a>
<a href="#">@lmc-eu/spirit-web-twig</a>	Twig implementation of Spirit Design System components	packagist <a href="#">v2.14.1</a>

<https://github.com/lmc-eu/spirit-design-system>

# Tag

Tags can highlight or add emotion to information.

[Documentation](#)



## Spirit UI Kit

[Documentation](#) [Development Preview](#)

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# Button

Buttons allow users to take actions.

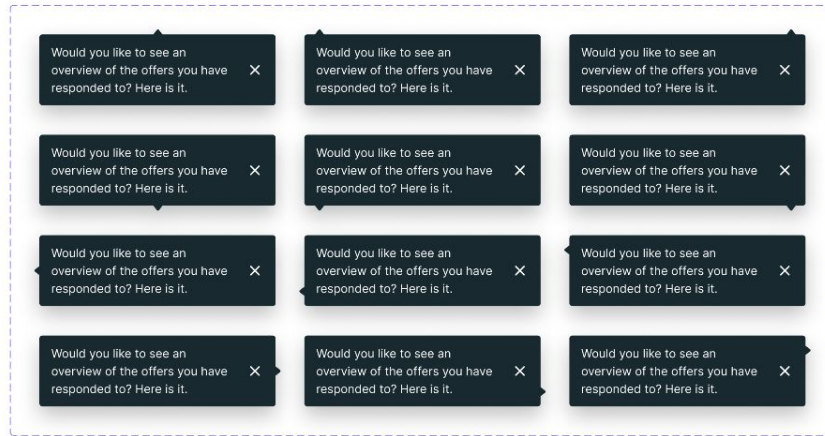
[Documentation](#)



## Tooltip

Tooltip displays additional information without interrupting user flow.

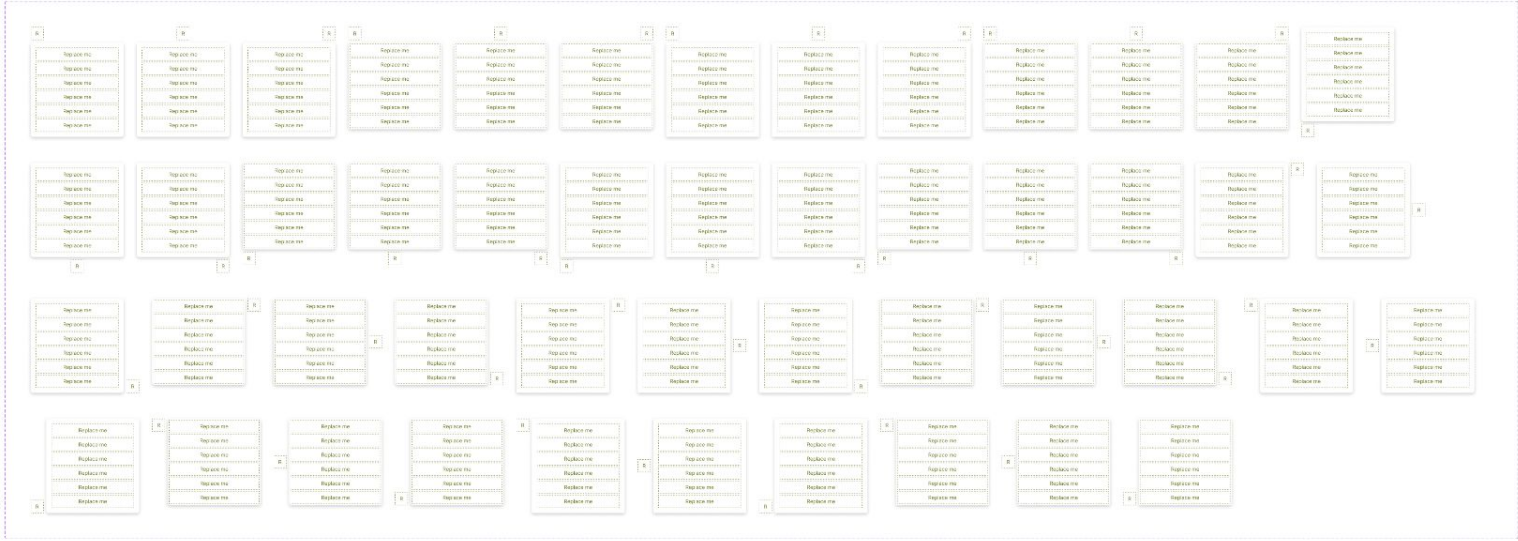
[Documentation](#)



## Dropdown

A dropdown is used to save almost vertically unlimited forms or menus. Dropdowns are used to conserve screen space and provide a convenient way for users to make selections from a set of predefined options.

[Downloadable](#)



# Slovníky

```
● ● ●  
  
@use 'sass:list';  
@use '@tokens' as tokens;  
  
$_placement-sides: top, bottom, left, right;  
$_placement-side-corners: top-start, top-end, bottom-start, bottom-end, left-start, left-end, right-start, right-end;  
  
$_size-extended: xsmall, xlarge;  
  
$action-colors: primary, secondary, tertiary, inverted;  
$action-link-colors: primary, secondary, inverted;  
$emotion-colors: success, informative, warning, danger;  
$placement: list.join($_placement-sides, $_placement-side-corners);  
$size: small, medium, large;  
$size-extended: list.join($size, $_size-extended);  
$text-colors: primary, secondary, primary-inverted, secondary-inverted;
```





```
@include dictionaries.generate-colors(  
    'Button',  
    theme.$color-dictionary,  
    theme.$color-dictionary-config,  
    theme.$color-dictionary-states,  
    theme.$color-dictionary-overrides  
);  
  
@include dictionaries.generate-sizes('Button',  
    theme.$sizes);
```

```
@mixin generate-colors(
  $class-name,
  $dictionary-values,
  $config,
  $states: null,
  $overrides: null,
  $custom-variable-name: null,
  $child-selector: null
) {
  @each $dictionary-value in $dictionary-values {
    .#{$class-name}--#{$dictionary-value}#{$child-selector} {
      @each $property-name, $property-value in $config {
        $value: -get-property-value($dictionary-value, $property-name, $property-value, $overrides);
        $prefix: if(
          $custom-variable-name,
          $custom-variable-name,
          spirit-string.convert-pascal-case-to-kebab-case($class-name)
        );
        --#{$prefix}-#{$property-name}: #{$value};

        #{$property-name}: var(--#{$prefix}-#{$property-name});
      }

      @if $states {
        @each $state-name, $state-properties in $states {
          #{$state-name} {
            @each $property-name, $property-value in $state-properties {
              #{$property-name}: -get-property-value(
                $dictionary-value,
                $property-name,
                $property-value,
                $overrides,
                $state-name
              );
            }
          }
        }
      }
    }
  }
}
```



```
@include dictionaries.generate-colors(  
  'Test',  
  ('primary', 'secondary'),  
  (  
    color: 'default',  
  )  
);
```

```
// Output
```

```
.Test--primary {  
  --test-color: #29616f;  
  
  color: var(--test-color);  
}
```

```
.Test--secondary {  
  --test-color: #a0a0a0;  
  
  color: var(--test-color);  
}
```



```
.Button--primary {
  --button-color: #fff;
  color: var(--button-color);
  --button-border-color: #29616f;
  border-color: var(--button-border-color);
  --button-background-color: #29616f;
  background-color: var(--button-background-color)
}

.Button--primary:hover, .Button--primary:focus {
  color: #fff;
  border-color: #1b5260;
  background-color: #1b5260
}

.Button--primary:active {
  color: #fff;
  border-color: #0b3a46;
  background-color: #0b3a46
}

.Button--primary:disabled:not(.Button--loading), .Button--primary.is-disabled:not(.Button--loading), .Button--primary.Button--disabled:not(.Button--loading) {
  color: #737373;
  border-color: #c4c4c4;
```

```

// Function to transform placement
// Example: transform('top-start') will return 'top-start' (no transformation)
// Example: transform('top-start', $main-axis-inverse: true) will return 'bottom-start'
// Example: transform('top-start', $main-axis-inverse: true, $cross-axis-inverse: true) will return 'bottom-end'
// Example: transform('top-start', $main-axis-inverse: true, $cross-axis-inverse: true, $cross-axis-physical: true) will return 'bottom-right'
// Example: transform('top-start', $join-with: ' ') will return 'top start'
@function transform(
  $placement,
  $main-axis-inverse: false,
  $cross-axis-inverse: false,
  $cross-axis-physical: false,
  $join-with: $_hyphen
) {
  $placement-chunks: string.split($placement, $_hyphen);
  $main-axis: list.nth($placement-chunks, 1);
  $main-axis-transformed: transform-axis(
    $axis: $main-axis,
    $inverse: $main-axis-inverse,
  );

  @if list.length($placement-chunks) > 1 {
    $cross-axis: list.nth($placement-chunks, 2);
    $cross-axis-direction: get-cross-axis-direction($main-axis);
    $cross-axis-transformed: transform-axis(
      $axis: $cross-axis,
      $inverse: $cross-axis-inverse,
      $physical-direction: if($cross-axis-physical, $cross-axis-direction, null),
    );

    @return spirit-list.to-string(($main-axis-transformed, $cross-axis-transformed), $join-with);
  }

  @return $main-axis-transformed;
}
```



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Search

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# sass-true TS

8.0.0 • Public • Published 3 months ago

Readme

Code Beta

3 Dependencies

26 Dependents

26 Versions

## True

License BSD 3-Clause

1. To make true; shape, adjust, place, etc., exactly or accurately:

*True the wheels of a bicycle after striking a pothole.*

2. To make even, symmetrical, level, etc. (often followed by *up*):

*True up the sides of a door.*

3. To test your Sass code; debug, perfect, etc. (often using *True*):

*True your sweet plugin before you deploy.*

True is a unit-testing tool for **Sass** code. All of the tests are written in plain Sass, and can be

### Install

```
> npm i sass-true
```

### Repository

[github.com/oddbird/true](https://github.com/oddbird/true)

### Homepage

[www.oddbird.net/true/](http://www.oddbird.net/true/)

### Weekly Downloads

14,950



Version

8.0.0

License

BSD-3-Clause

## True

Changelog

Contributing

BSD3 License

## Structure

Optional Configuration

Describing Tests

Reporting Results

## Assertions

Testing Return Values

Testing CSS Output

Catching & Testing Errors

[View Project](#)

[View Source](#)

# True

License [BSD 3-Clause](#)

1. To make true; shape, adjust, place, etc., exactly or accurately:

*True the wheels of a bicycle after striking a pothole.*

2. To make even, symmetrical, level, etc. (often followed by *up*):

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3. To test your Sass code; debug, perfect, etc. (often using *True*):

*True your sweet plugin before you deploy.*

True is a unit-testing tool for [Sass](#) code. All of the tests are written in plain Sass, and can be compiled using Dart Sass – but we also provide integration with JavaScript test runners (e.g. [Mocha](#) or [Jest](#)), for extra features and improved reporting.

## Install

<https://www.oddbird.net/true/docs/>



```
@include test-module('Zip [function]') {
  @include test('Zips multiple lists into a single multi-dimensional list')
  {
    // Assert the expected results
    @include assert-equal(zip(a b c, 1 2 3), (a 1, b 2, c 3));
  }
}

// Or
@include describe('Zip [function]') {
  @include it('Zips multiple lists into a single multi-dimensional list') {
    // Assert the expected results
    @include assert-equal(zip(a b c, 1 2 3), (a 1, b 2, c 3));
  }
}
```





```
@include it('Outputs a font size and line height based on keyword')
{ @include assert {
  @include output {
    @include font-size('large');
  }

  @include expect {
    font-size: 2rem;
    line-height: 3rem;
  }
}
}
```

```


@use 'true';
@use '../dictionaries';

@include true.describe('generate-colors mixin') {
  @include true.it('should generate correct color classes based on a dictionary')
  {
    @include true.assert {
      @include true.output {
        @include dictionaries.generate-colors(
          'Test',
          ('primary'),
          (
            color: 'default',
          )
        );
      }

      @include true.expect {
        .Test--primary {
          --test-color: #29616f;

          color: var(--test-color);
        }
      }
    }
  }
}

```



```
@include true.it('should return true for logical placements, false otherwise')
{ @include true.assert {
  @include true.output {
    --is-logical-left: #{placement.is-logical('left')};
    --is-logical-start: #{placement.is-logical('start')};
  }
  @include true.expect {
    --is-logical-left: false;
    --is-logical-start: true;
  }
}
}
```



```
const path = require('node:path');  
const sassTrue = require('sass-true');  
  
const sassFile = path.join(__dirname, 'test.scss');  
sassTrue.runSass({ describe, it }, sassFile);
```

```

// scss.test.ts
/* @jest-environment node */

import { sync } from 'glob';
import { resolve } from 'path';
import { runSass } from 'sass-true';
import { pathToFileURL } from 'url';

const importers = [
  // Make @tokens work
  {
    findFileUrl(url) {
      if (!url.startsWith('@')) {
        return null;
      }

      return new URL(
        pathToFileURL(resolve(process.cwd(), '../../node_modules/@lmc-eu/spirit-design-tokens/src/scss', url)),
      );
    },
  },
];

describe('Sass', () => {
  const sassTestFiles = sync(resolve(process.cwd(), 'src/**/*.test.scss'));

  sassTestFiles.forEach((file) => runSass({ describe, it }, file, { importers }));
});
```

```
PASS src/js/__tests__/BaseComponent.test.ts
PASS src/js/dom/__tests__/EventHandler.test.ts
PASS src/js/utils/__tests__/ComponentFunctions.test.ts
PASS tests/scss.test.ts
```


```
Test Suites: 23 passed, 23 total
```

```
Tests: 256 passed, 256 total
```


```
Snapshots: 0 total
```

```
Time: 2.298 s, estimated 7 s
```

```
Ran all test suites
```



```
@include true.it('should return true for logical placements, false otherwise')
{ @include true.assert {
  @include true.output {
    --is-logical-left: #{placement.is-logical('left')};
    --is-logical-start: #{placement.is-logical('start')};
  }
  @include true.expect {
    --is-logical-left: false;
    --is-logical-start: true;
  }
}
}
```



```
@include true.it('should return true for logical placements, false otherwise')
{ @include true.assert {
  @include true.output {
    --is-logical-left: #{placement.is-logical('left')};
    --is-logical-start: #{placement.is-logical('start')};
  }
  @include true.expect {
    --is-logical-left: true; // <-- wrong
    --is-logical-start: true;
  }
}
}
```



**FAIL** tests/scss.test.ts

- Sass > placement functions and mixins > should return true for logical placements, false otherwise

```
assert.fail(received, expected)
```

Message:

[type: equal]

- Expected

+ Received

```
.test-output {
```

```
- --is-logical-left: true;
```

```
+ --is-logical-left: false;
```

```
--is-logical-start: true;
```

```
}
```

```
at ../../node_modules/sass-true/src/index.ts:125:20
```

```
at forEach (../../node_modules/lodash/lodash.js:530:11)
```

```
at forEach (../../node_modules/lodash/lodash.js:9410:14)
```

```
at Object.<anonymous> (../../node_modules/sass-true/src/index.ts:123:16)
```

Test Suites: 1 failed, 22 passed, 23 total



```
@mixin hide-text() {  
  position: absolute;  
  width: 1px;  
  height: 1px;  
  padding: 0;  
  margin: -1px;  
  overflow: hidden;  
  clip: rect(0, 0, 0, 0);  
  white-space: nowrap;  
  border: 0;  
}
```



```

@ixin min-tap-target($size, $center: true) {
  position: relative;

  &::before {
    content: '';
    position: absolute;
    width: $size;
    height: $size;

    @if $center {
      top: 50%;
      left: 50%;
      transform: translate(-50%, -50%);
    }
  }
}

```



```

@include true.expect {
  .tap-target-centered {
    position: relative;
  }

  // stylelint-disable order/properties-order -- Disabling rule due to conditional rendering
  // affecting property order
  .tap-target-centered::before {
    content: '';
    position: absolute;
    width: 40px;
    height: 40px;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
  }
  // stylelint-enable order/properties-order
}

```



**lirat** commented on Oct 27, 2023

Member



👏 I am very happy to see this PR. It really helps me to understand what is going on in the SCSS mixins 😊 Thanks a lot ❤️



# Alternativy

- <https://www.npmjs.com/package/sass-true> ✓
- <https://www.npmjs.com/package/sassaby> 🙌
- <https://www.npmjs.com/package/sassy-test> 🙌

**Díky za pozornost, dotazy?**

**krysp.in**