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GDG DevFest 2015 Season

Material Design Lite

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About me

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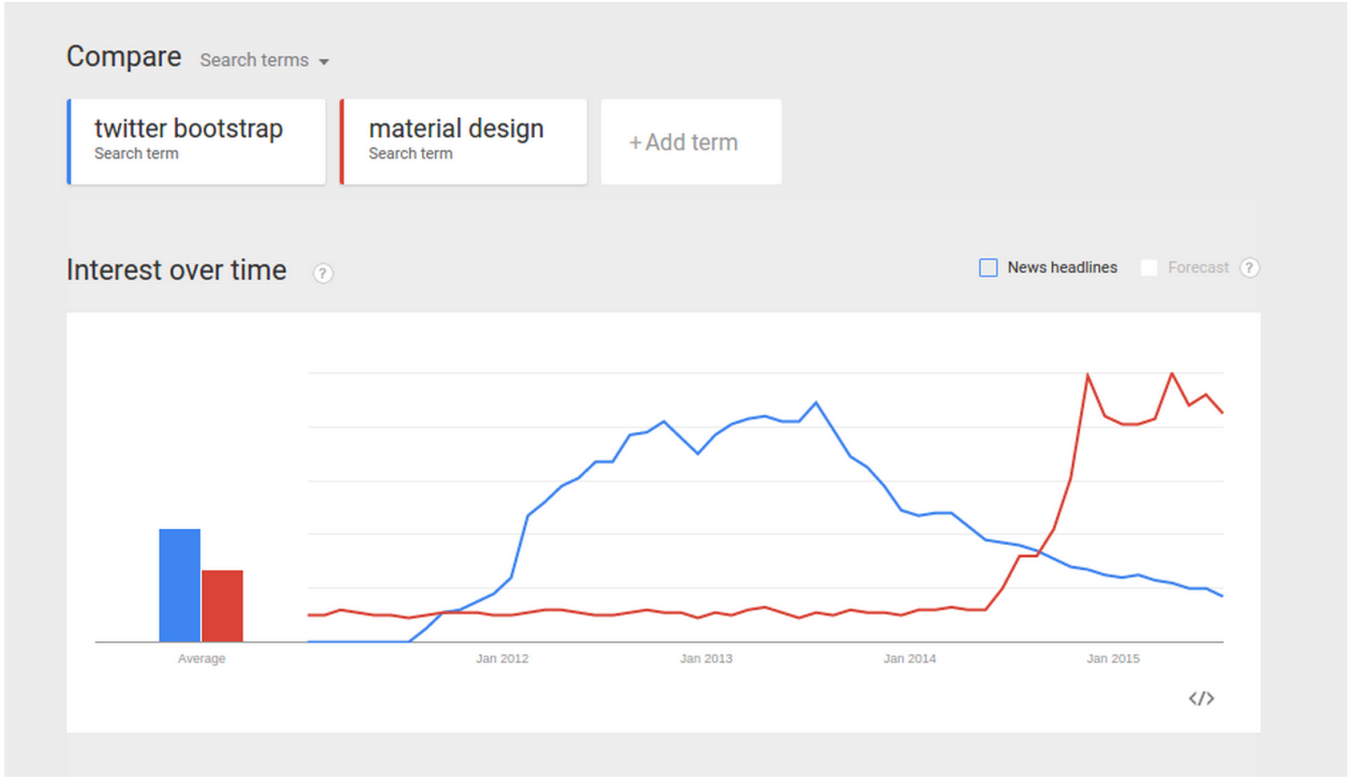
About topic

7 июля в 14:40

«Убийца Bootstrap» — Material Design Lite. Версия 1.0.0

Интерфейсы*, Веб-дизайн*, HTML*, CSS*



Компания Google вышла на новый уровень в продвижении своего детища — Material Design. Выпущена версия 1.0.0 open-source проекта Material Design Lite.

Любопытно, что MDL — это автономный проект, не привязанный к фреймворку Polymer. При этом Google

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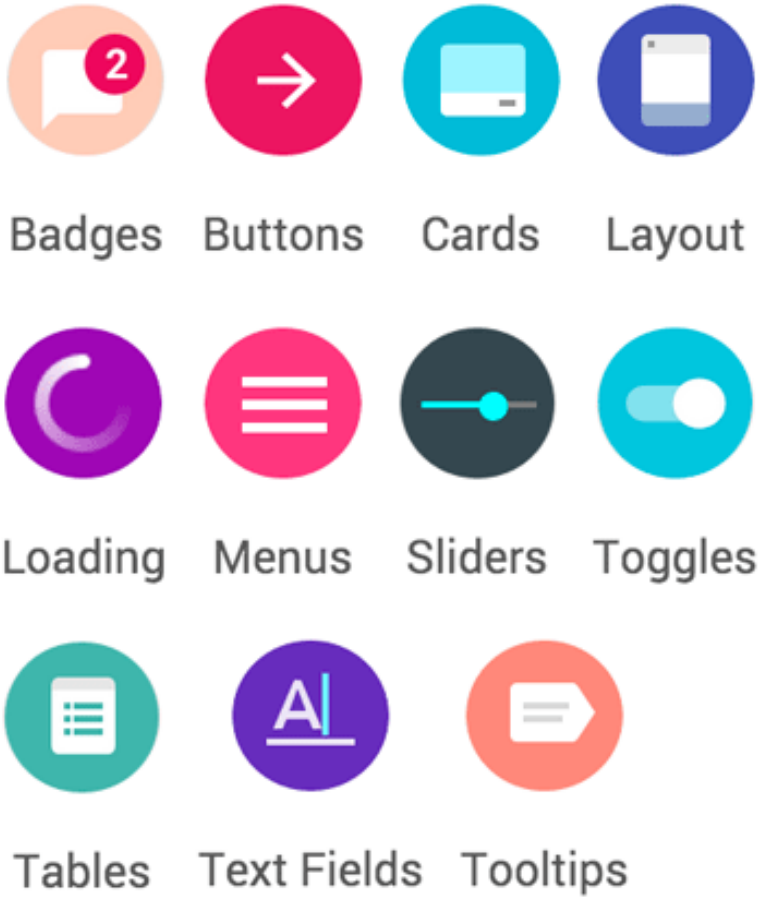
MDL Overview

- 15 June 2014 - Material Design announced
- 7 Apr 2014 - The first commit by @addyosmany
- 6 Jul 2015 - MDL v1.0.0 released
- Only vanilla JavaScript
- Apache 2 license
- Looks like Polymer Paper Elements, isn't it?

MDL is


2
Badges
Buttons
Cards
Layout
Loading
Menus
Sliders
Toggles
Tables
Text Fields
Tooltips

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Using

```
<button class="mdl-button mdl-js-button mdl-button--raised mdl-js-ripple-effect mdl-button--accent">
    Button
</button>
```

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Using

```
<button class="mdl-button mdl-js-button mdl-button--fab mdl-button--colored">
    <i class="material-icons">add</i>
</button>
```

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Using

```
<div id="container"></div>
<script>
    var button = document.createElement('button');
    var textNode = document.createTextNode('Click Me!');
    button.appendChild(textNode);
    button.className = 'mdl-button mdl-js-button mdl-js-ripple-effect';
    componentHandler.upgradeElement(button);
    document.getElementById('container').appendChild(button);
</script>
```

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Using

In general, follow these basic steps to use an MDL component in your HTML page:

- Start with a standard HTML element, such as <button>, , or <ul>
- Add one or more MDL-specific CSS classes to the element

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Examples

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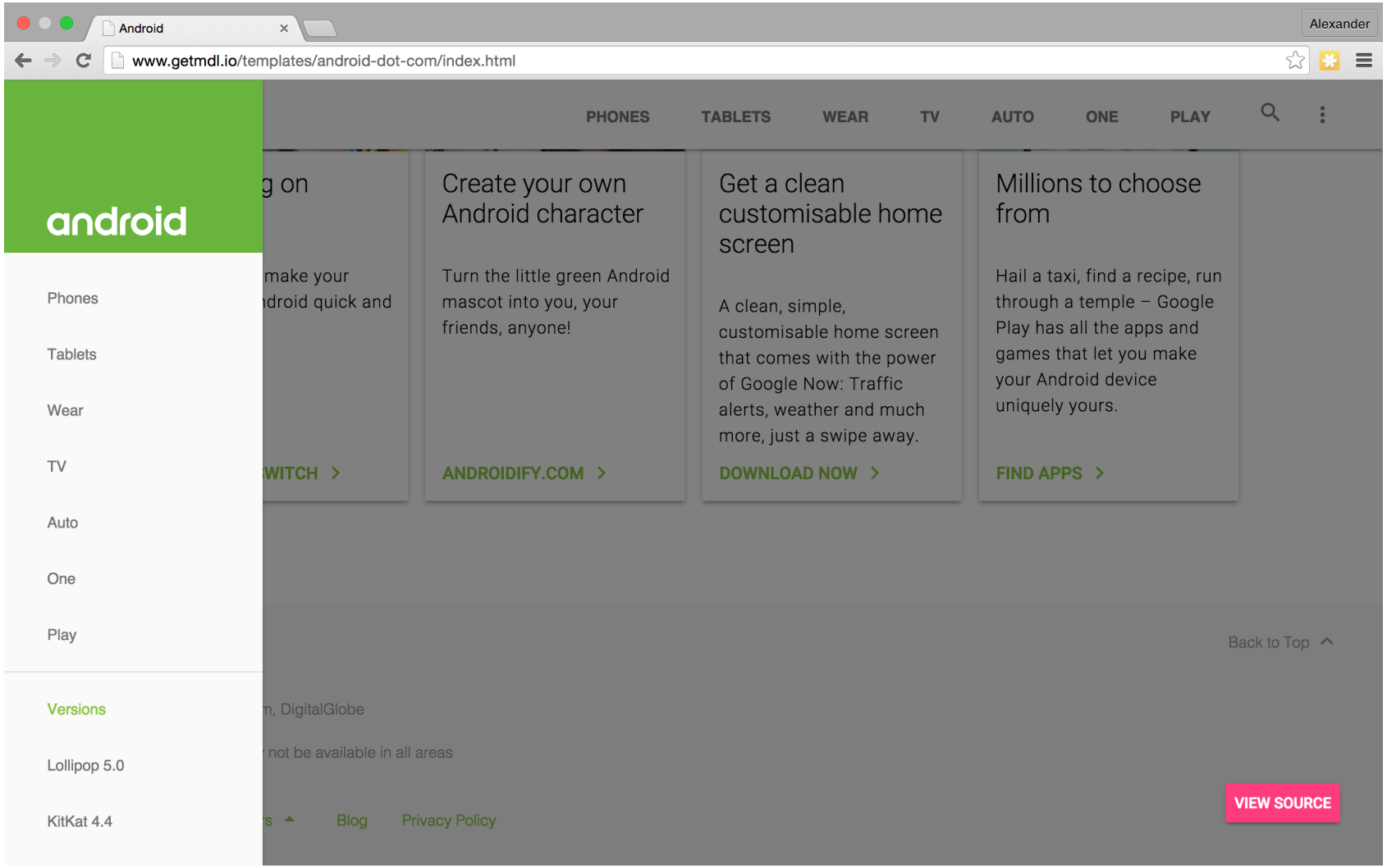

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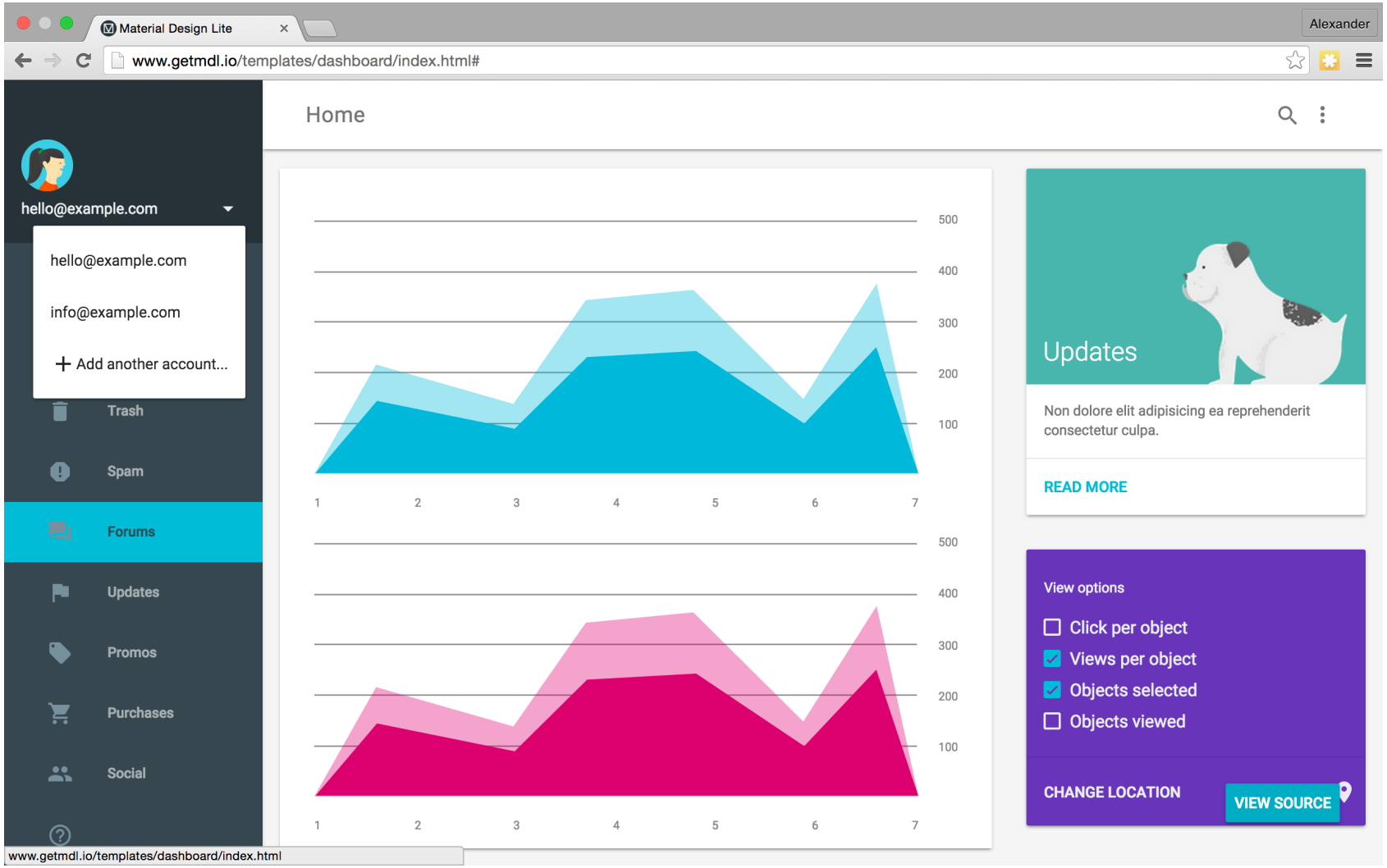

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Browser Support

IE9	IE10	IE11	Chrome	Opera	Firefox	Safari	Chrome (Android)	Mobile Safari
B	A	A	A	A	A	A	A	A

A - fully supported, B - gracefully degraded

Browser Support

MODERN BROWSER

BUTTON

	Material	Quantity	Unit price
☐	Acrylic (Transparent)	25	$2.90
☐	Plywood (Birch)	50	$1.25
☐	Laminate (Gold on Blue)	10	$2.35

IE8

BUTTON

Material	Quantity	Unit price
Acrylic (Transparent)	25	$2.90
Plywood (Birch)	50	$1.25
Laminate (Gold on Blue)	10	$2.35

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Installation

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

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Installation

```
<link
    rel="stylesheet"
    href="https://storage.googleapis.com/code.getmdl.io/1.0.5/material.indigo-pink.min.css"
/>
<script
    src="https://storage.googleapis.com/code.getmdl.io/1.0.5/material.min.js"
></script>
<link
    rel="stylesheet"
    href="https://fonts.googleapis.com/icon?family=Material+Icons"
/>
```

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Installation

```
<link rel="stylesheet" href="./material.min.css" />
<script src="./material.min.js"></script>
<link
    rel="stylesheet"
    href="https://fonts.googleapis.com/icon?family=Material+Icons"
/>
```

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Installation

```
# Clone/copy the Material Design lite source code.
git clone https://github.com/google/material-design-lite.git

# Go into the newly created folder containing the source code.
cd material-design-lite

# Install necessary dependencies.
npm install && npm install -g gulp

# Build a production version of the components.
gulp
```

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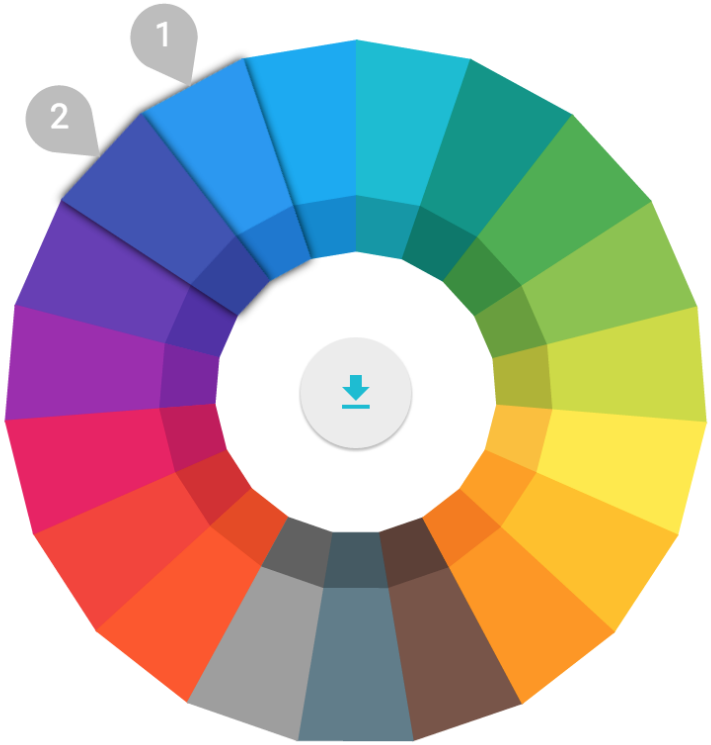
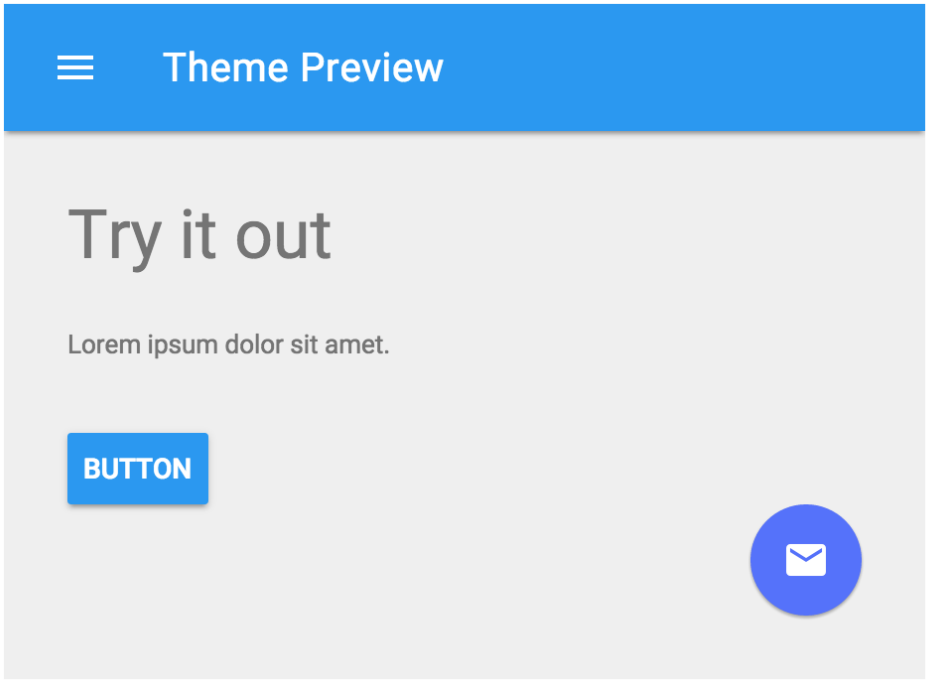
Installation

```
bower install material-design-lite —save

npm install material-design-lite —save
```

Theme Customization





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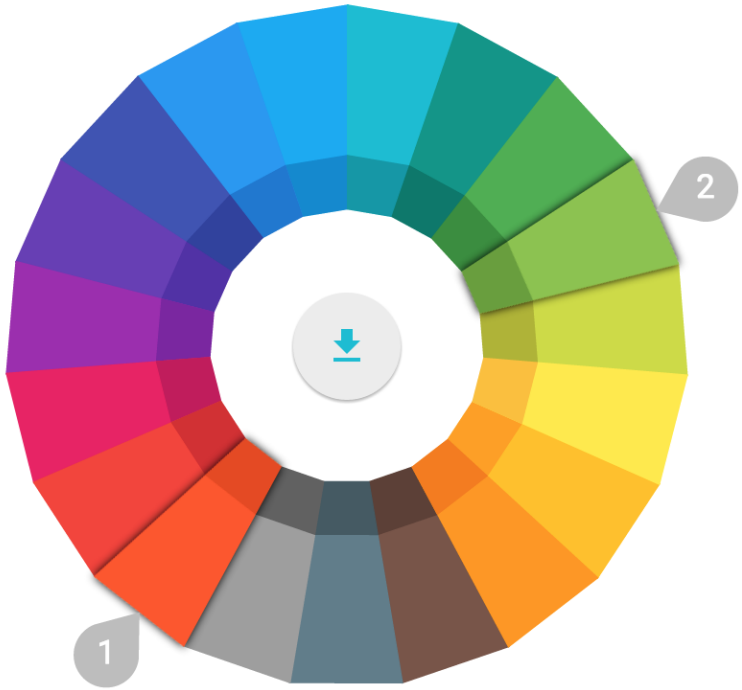
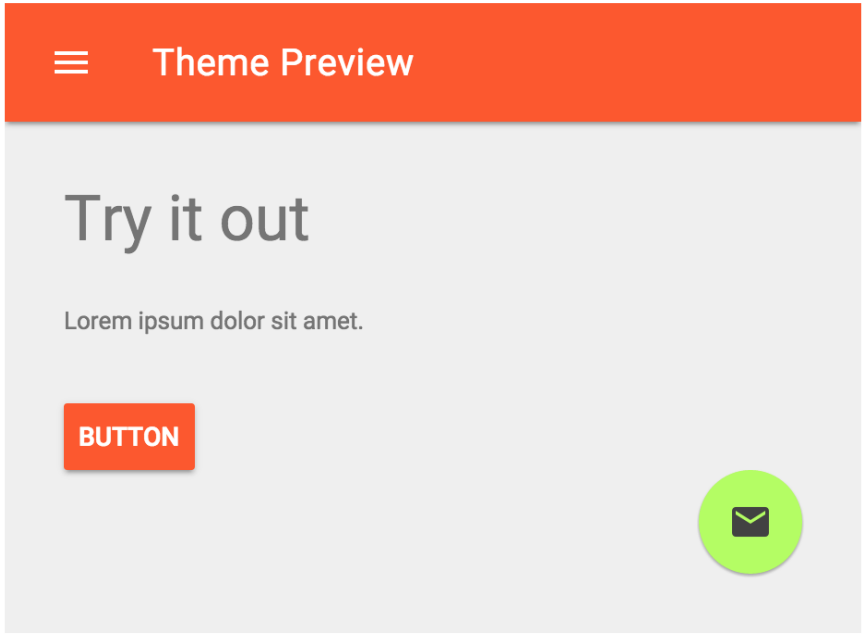
Theme Customization





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Pros & Cons

- Material design
- Adaptive
- Ecosystem
- Good help
- Progressive Enhancement
- Developer-oriented

- No dialog
- No datepickers
- No sticky footer
- No select/dropdown
- Plenty of issues
- Material design

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Live Examples

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MDL vs Bootstrap

- Support IE10+
- Github starts 15,049
- Material Design!
- Developer-oriented

- Support IE8+
- Github stars 87,283
- Using-oriented
- Huge community

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MDL vs Bootstrap

Material Design can replace many parts of Bootstrap. However, it does not intend to feature-match everything Bootstrap offers.

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Conclusion

Material Design Lite is focused on delivering a vanilla CSS/JS/HTML library of components.

We are not a framework.

If you are building a single-page app and require features like two-way data-binding, templating, CSS scoping and so forth, we recommend trying out the excellent Polymer project.

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Questions

Почему кнопка при нажатии поднимается?