BEM

— CSS NAMING CONVENTION —

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Learn front-end development at rocket speed

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by miguelsanchez.com

in a ROCKET

BEM FUNDAMENTALS

Understanding BEM in just 2 minutes

Is a **naming convention**
for classes in HTML and CSS

B E M

Block **E**lement **M**odifier

Developed by the team at Yandex.

B E M

BLOCK: Encapsulates a standalone entity that is meaningful on its own. While blocks can be nested and interact with each other, semantically they remain equal; there is no precedence or hierarchy.

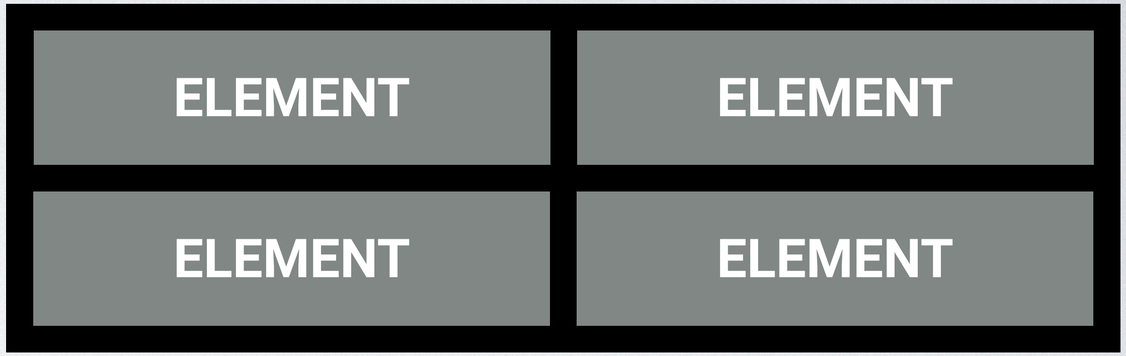
BLOCK

B E M

ELEMENT: Parts of a block and have no standalone meaning. Any element is semantically tied to its block.

BLOCK

BLOCK



B E M

MODIFIER: Flags on blocks or elements. Use them to change appearance, behavior or state.

BLOCK

BLOCK

ELEMENT

ELEMENT

ELEMENT

ELEMENT

BLOCK + MODIFIER

ELEMENT

ELEMENT

ELEMENT

ELEMENT

BLOCK

BLOCK

ELEMENT

ELEMENT

ELEMENT

ELEMENT

BLOCK + MODIFIER

ELEMENT

ELEMENT

ELEMENT

ELEMENT

BLOCK

ELEMENT
+ MODIFIER

ELEMENT

ELEMENT

ELEMENT

QUICK EXAMPLE

How it works with a real example

$150
SUBSCRIBE NOW

BLOCK: btn

BLOCK: btn

BLOCK: btn

BLOCK: btn

BLOCK: btn

$150

SUBSCRIBE NOW

ELEMENT: price

ELEMENT: text

BLOCK: btn + MODIFIER

$150 SUBSCRIBE NOW

BLOCK: btn

BLOCK: btn

ELEMENT: price

ELEMENT: text

BLOCK: btn + MODIFIER

BLOCK: btn

ELEMENT + MODIFIER

in a ROCKET

LET'S CODE

BEM syntax you can start using right now

BEM SYNTAX

BLOCKS

`.block`

Examples: `.btn` or `.login-form`

ELEMENTS

`.block__element`

Examples: `.btn__price` or `.btn__text`

MODIFIERS

`.block--modifier`

Examples: `.btn--important`

`.block__element--modifier`

Examples: `.btn__text--important`

BLOCK: btn

CSS

styles.css

```css
/* Block */
.btn { styles here }
```

HTML

index.html

```html
<a href="#" class="btn"></a>
```

BLOCK: btn

CSS

styles.css

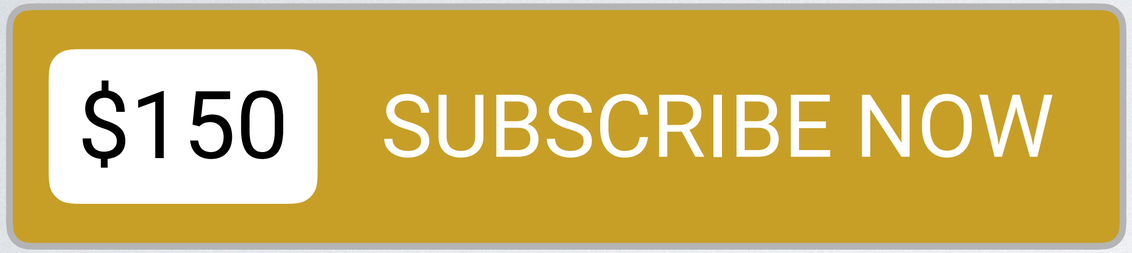
```css
/* Block */
.btn { styles here }

/* Elements: depend upon the block */
.btn__price { styles here }
.btn__text { styles here }
```

HTML

index.html

```html
<a href="#" class="btn">
  <span class="btn__price">$150</span>
  <span class="btn__text">Subscribe now</span>
</a>
```

BLOCK: btn



CSS

styles.css

```
/* Block */
.btn { styles here }

/* Elements: depend upon the block */
.btn__price { styles here }
.btn__text { styles here }

/* Modifier: change the style of the block */
.btn--important { styles here }
```

HTML

index.html

```
<a href="#" class="btn btn--important">
  <span class="btn__price">$150</span>
  <span class="btn__text">Subscribe now</span>
</a>
```

BLOCK: btn

CSS

styles.css

```css
/* Block */
.btn { styles here }

/* Elements: depend upon the block */
.btn__price { styles here }
.btn__text { styles here }

/* Modifier: change the style of the element */
.btn__text--important { styles here }
```

HTML

index.html

```html
<a href="subscribe.html" class="btn">
  <span class="btn__price">$150</span>
  <span class="btn__text btn__text--important">Subscribe
  now</span>
</a>
```

USEFUL REFERENCES

BEM METHODOLOGY: NAMING CONVENTION

The BEM methodology provides an idea for creating naming rules and implements that idea in its canonical CSS selector naming convention.
bem.info/methodology/naming-convention

CONVENTION BY HARRY ROBERTS

"BEM-like" convention of CSS Guidelines by Harry Roberts.
bem.info/toolbox/sdk/bem-naming/#convention-by-harry-roberts

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+
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