

CSS

Functions

Funções em CSS

Permite aplicar certas funcionalidades através de funções.

Funções em CSS

```
                função ( argumento )  
  
selector {  
    background-image: url("");  
}
```

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

Logical Combinators

Gradient

Grid

Shape

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

Logical Combinators

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Shape

```
:root {  
  --size: 1200px;  
}  
  
html {  
  width: var(--size);  
}
```

Tipos de Funções

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Shape

```
:root {  
  --size: 1200px;  
}  
  
html {  
  width: var(--size); // width: 1200px  
}
```

Tipos de Funções

Custom Properties

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Pseudo Class Selector

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```
:root {  
  --size: 1200px;  
}  
  
html {  
  width: calc( 1200px / 2 );  
}
```

Tipos de Funções

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```
:root {  
  --size: 1200px;  
}  
  
html {  
  width: calc( var(--size) / 2 );  
}
```


Tipos de Funções

Custom Properties

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`calc(n + y)`

`calc(n - y)`

`calc(n / y)`

`calc(n * y)`

Tipos de Funções

Custom Properties

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Pseudo Class Selector

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Shape

Divisão

`calc(n / divisor)`

`calc (10px / 2)`

~~`calc (10px / 5px)`~~

Tipos de Funções

Custom Properties

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Pseudo Class Selector

Animation

Transform

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Multiplicação

`calc(n * divisor)`

`calc (10px * 2)`

~~`calc (10px * 5px)`~~

Tipos de Funções

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Pseudo Class Selector

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Shape

Adição / Subtração

```
calc ( 10px + 10px )
```

```
calc( 10px - 5px )
```

```
calc ( 10px + 2 )
```

```
calc ( 10px - 2 )
```

Tipos de Funções

Custom Properties

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Pseudo Class Selector

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Nesting Calcs

```
calc (  
  (100px - 5px)  
  -  
  (100px - 15px)  
)
```

Tipos de Funções

Custom Properties

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Pseudo Class Selector

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Shape

rgb() || rgba()

hsl() || hsla()

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

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Logical Combinators

Gradient

Grid

Shape

:not()

:nth-child()

:nth-last-child()

:nth-of-type()

:nth-last-of-type()

Tipos de Funções

Custom Properties

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Pseudo Class Selector

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Shape

cubic-bezier()

path()

steps()

Tipos de Funções

Custom Properties

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Pseudo Class Selector

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Shape

`scale() || z() || y() || 3d()`

`translate() || z() || y() || 3d()`

`perspective()`

`rotate() || z() || y() || 3d()`

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

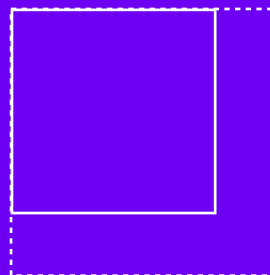
Logical Combinators

Gradient

Grid

Shape

scale() || z() || y() || 3d()



Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

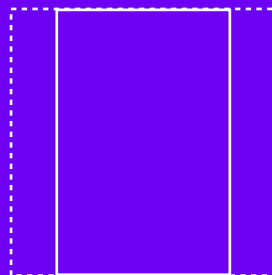
Logical Combinators

Gradient

Grid

Shape

scaleZ()



Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

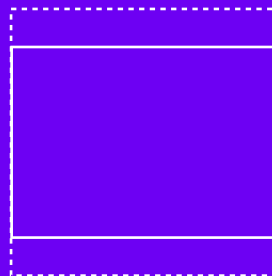
Logical Combinators

Gradient

Grid

Shape

scaleY()



Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

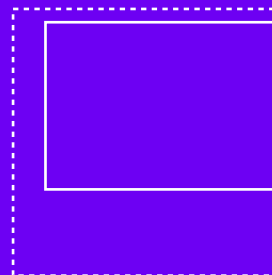
Logical Combinators

Gradient

Grid

Shape

scale3d(x, y, z)



Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

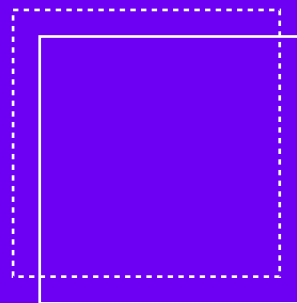
Logical Combinators

Gradient

Grid

Shape

`translate() || z() || y() || 3d()`



Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

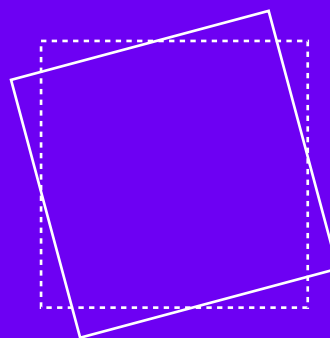
Logical Combinators

Gradient

Grid

Shape

`rotate() || z() || y() || 3d()`



Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

Logical Combinators

Gradient

Grid

Shape

brightness()

blur()

contrast()

grayscale()

invert()

opacity()

saturate()

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

Logical Combinators

Gradient

Grid

Shape

clamp()

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

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Logical Combinators

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Grid

Shape

`clamp()`

`clamp(min, val, max)`

`clamp(12px, 16px, 20px)`

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

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Shape

`:is()`

`:is(section)`

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

Filter

Comparison

Logical Combinators

Gradient

Grid

Shape

linear-gradient()

repeating-linear-gradient()

radial-gradient()

repeating-radial-gradient()

conic-gradient()

repeating-conical-gradient()

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

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Transform

Filter

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Logical Combinators

Gradient

Grid

Shape

Tipos de Funções

Custom Properties

Color

Pseudo Class Selector

Animation

Transform

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Logical Combinators

Gradient

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Shape

circle()

ellipse()

polygon()

inset()