

Figure 14-1. The parts of an element box according to the CSS box model.

- عناصر block از خط جدید شروع شده تمام عرض صفحه را به خود اختصاص می‌دهند مانند:

- `div`
- `h1`
- `p`
- `li`

نکته‌ای که در مورد عناصر block وجود دارد این است که می‌توانیم عرض و ارتفاع برایشان مشخص نماییم

- عناصر inline از خط جدید شروع نشده و به اندازه مورد نیازشان عرض صفحه را اشغال می‌نمایند مانند :

- `a`
- `img`
- `em`
- `strong`
- `i`

درضمن عرض و ارتفاع برایشان مشخص نمی‌شود

تعيين عرض و ارتفاع جعبه

width

Values: *length measurement | percentage | auto | inherit*

Default: auto

Applies to: *block-level elements and replaced inline elements (such as images)*

Inherits: no

height

Values: *length measurement | percentage | auto | inherit*

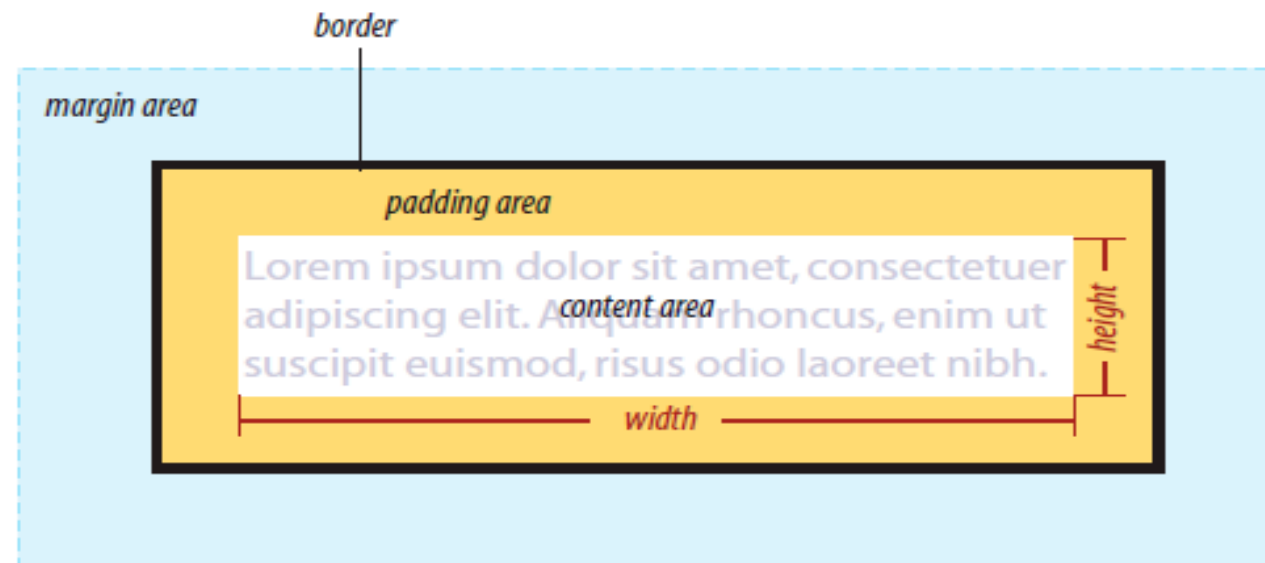
Default: auto

Applies to: *block-level elements and replaced inline elements (such as images)*

Inherits: no

$$20\text{px} + 2\text{px} + 20\text{px} + 500\text{px width} + 20\text{px} + 2\text{px} + 20\text{px} = 584 \text{ pixels}$$

```
p {  
  background: #c2f670;  
  width: 500px;  
  height: 150px;  
  padding: 20px;  
  border: 2px solid gray;  
  margin: 20px;  
}
```



box-sizing

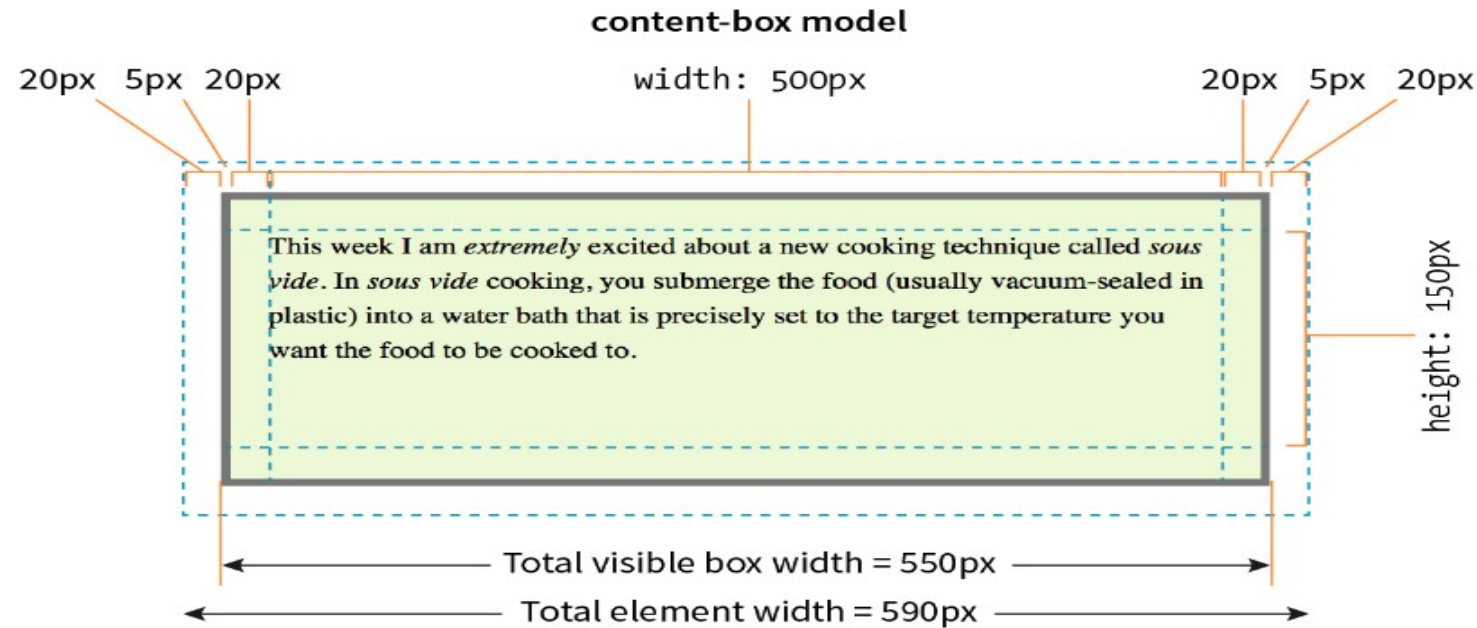
Values: content-box | border-box

Default: content-box

Applies to: all elements

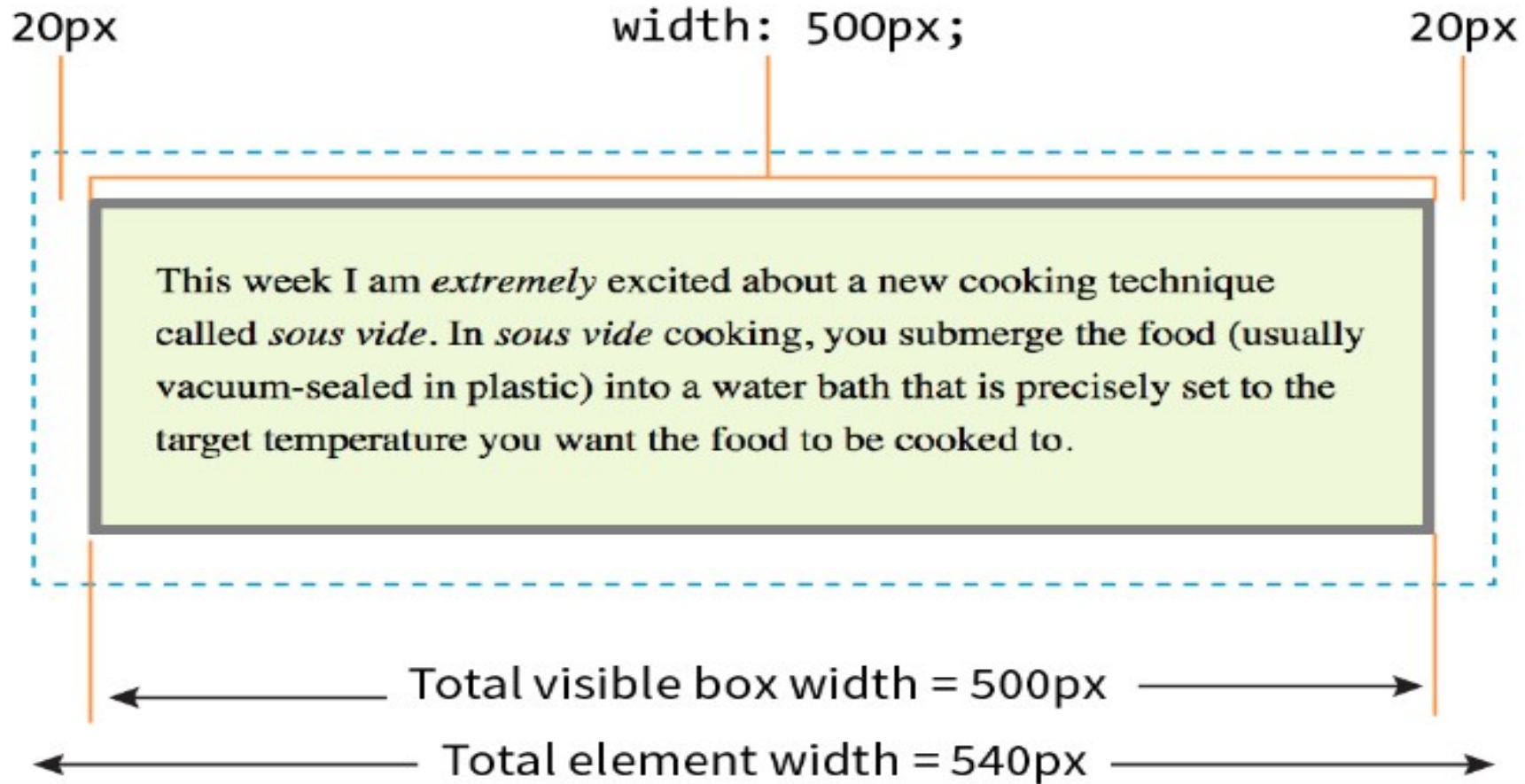
Inherits: no

```
p { background: #f2f5d5; width: 500px; height: 150px; padding: 20px; border: 5px solid gray; margin: 20px;}
```



```
p { ... box-sizing: border-box; width: 500px; height: 150px;}
```

border-box model



overflow

Values: visible | hidden | scroll | auto | inherit

Default: visible

Applies to: block-level elements and replaced inline elements (such as images)

Inherits: no

visible

Applying the masks to the glasses is the most labor-intensive part of the process. Not only do you have to measure, place, and burnish on each mask, but you also need to completely cover the remainder of the glass in heavy paper. Any exposed areas (even inside) will get scratched by the flying sand, so it has to be a good seal.

hidden

Applying the masks to the glasses is the most labor-intensive part of the process. Not only do you have to measure, place, and burnish on each mask, but you also need to completely

scroll

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auto (short text)

Applying the masks to the glasses is the most labor-intensive part of the process.

auto (long text)

Applying the masks to the glasses is the most labor-intensive part of the process. Not only do you have to measure, place, and burnish on each mask, but you also

padding-top, padding-right, padding-bottom, padding-left

Values: *length measurement | percentage | inherit*

Default: *0*

Applies to: *all elements except table-row, table-row group, table-header-group, table-footer-group, table-column, and table-column-group*

Inherits: *no*

padding

Values: *length measurement | percentage | inherit*

Default: *0*

Applies to: *all elements*

Inherits: *no*

```
blockquote {  
  padding-top: 1em;  
  padding-right: 3em;  
  padding-bottom: 1em;  
  padding-left: 3em;  
  background-color: #D098D4;  
}
```

1 value

padding: 10px;

Applied to all sides.

2 values

padding: 10px 6px;

First is top and bottom;

Second is left and right.

3 values

padding: 10px 6px 4px;

First is top;

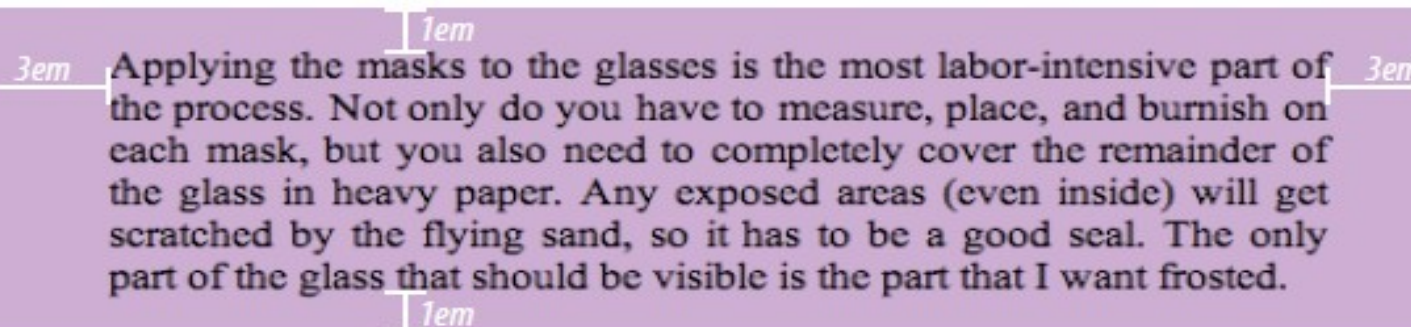
Second is left and right;

Third is bottom.

4 values

padding: 10px 6px 4px 10px;

Applied clockwise to top, right, bottom, and left edges consecutively (TRBL).



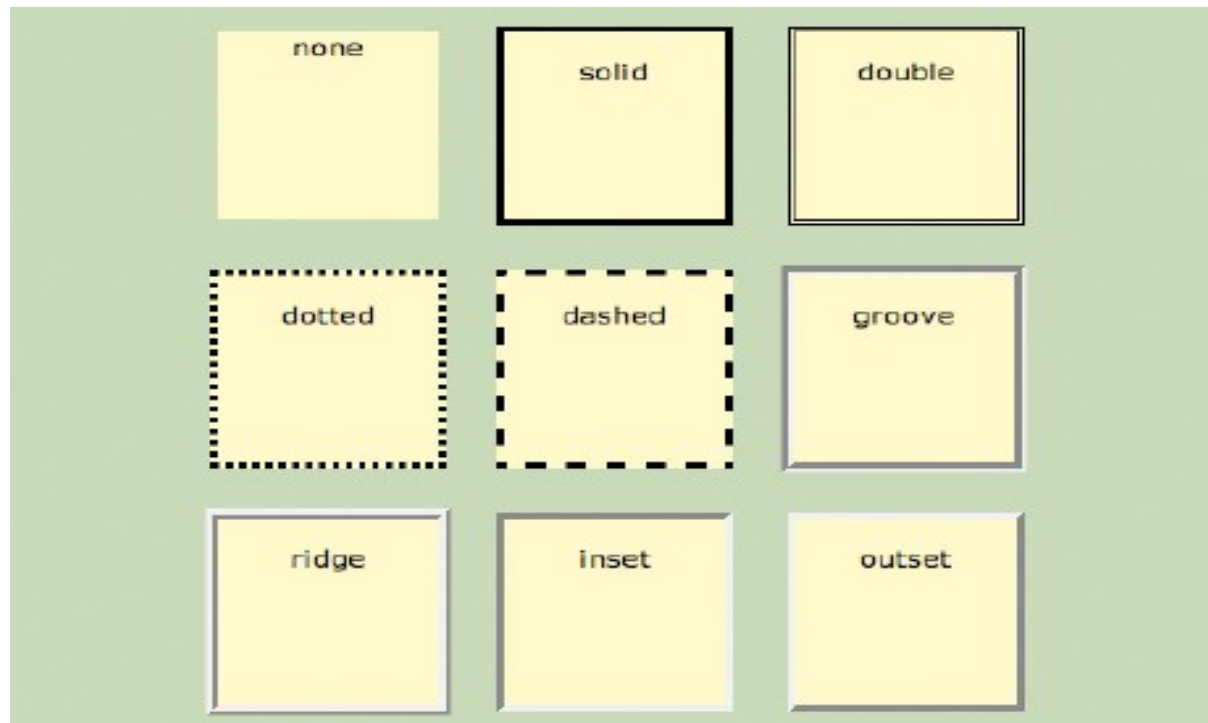
border-style

Values: none | dotted | dashed | solid | double | groove | ridge | inset | outset | inherit

Default: none

Applies to: all elements

Inherits: no



ایجاد فاصله بین جعبه های مختلف با margin

margin-top, margin-right, margin-bottom, margin-left

Values: *length measurement | percentage | auto | inherit*

Default: *auto*

Applies to: *all elements*

Inherits: *no*

margin

Values: *length measurement | percentage | auto | inherit*

Default: *auto*

Applies to: *all elements except elements with table display types other than table-caption, table, and inline-table*

Inherits: *no*

```
p#A {  
  margin: 4em;  
  border: 1px solid red;  
  background: #FCF2BE;  
}
```

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margin: 4em;

