

Layout

For Retina display

If high resolution display and image resolution are different, it seems blur when you look image by high resolution display. Use image that is based on high resolution display.

In general, **width 640px design** that is supposed device · pixel of iPhone4/5 is offered.

For coding, lay out by width 320px, not 640px. **Designate half size of PSD for each parts.** (※)

PSD data



Image Designate width="65" height="65". (※)

Text Set CSS that text is displayed by 16px and 14px.

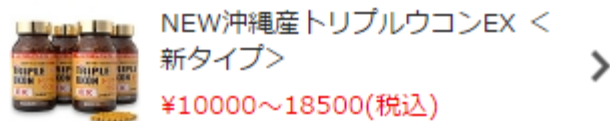
※ width, height is depend on layout like put it in original size and designate % by CSS.

Variable layout

Lay out by variable to be able to deal with screen width that is depend on device.

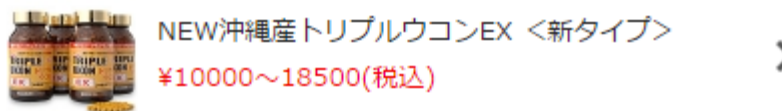
Example that only width is variable

iPhone5 width 320px



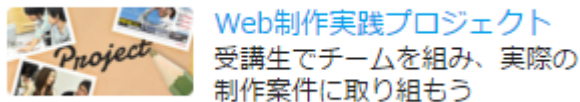
100%

iPhone6 Plus width 414px



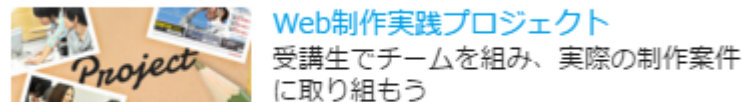
100%

Example that make image variable



100%

```
<div></div>
```



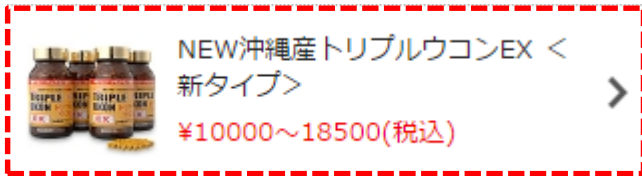
100%

```
div {width: 32%;}
img {
  width: 100%;
  height: auto;
}
```

Set image by width 100% for variable box area.

Tap target

Putting link only text and only image for PC page is general, but set area that is able to tap widely for smart phone page.



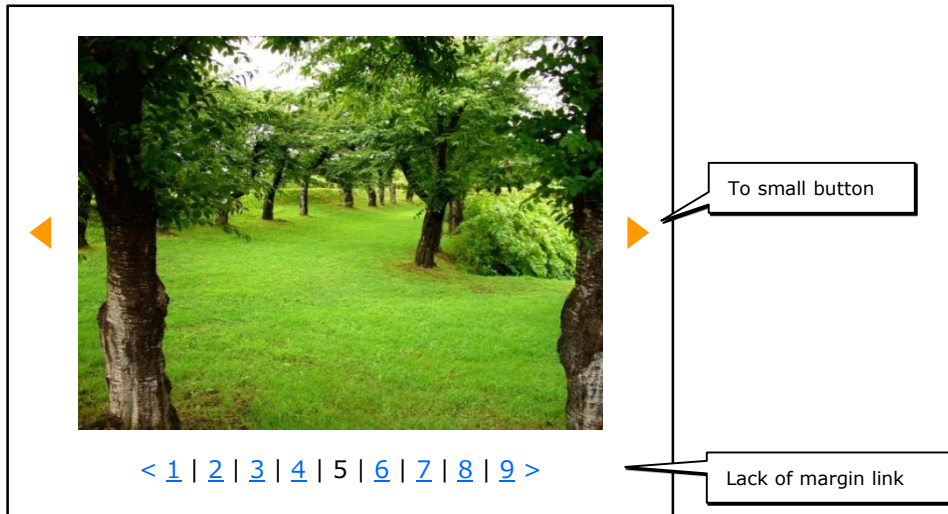
Make this area be able to tap.

```
<li>  
  <a href="...">  
    <div>...</div>  
    <div>...</div>  
  </a>  
</li>
```

```
a {  
  display: block;  
}
```

If tap target is too small and it can miss tap because of design that is lack of margin, ask director his/her judge.

It should be considered when design, but it is bad that there is functional bug even if you design the following layout. So, point out if you find it.



Use CSS3 positively if it is page only for smart phone.



```
<div class="button">Button</div>
```

```
.button {  
  box-sizing: border-box;  
  width: 300px;  
  padding: 7px;  
  text-align: center;  
  color: #fff;  
  text-shadow: 2px 2px #000;  
  font-weight: bold;  
  background: -webkit-linear-gradient(top, #95bfff, #2e61af);  
  background: linear-gradient(top, #95bfff, #2e61af);  
  border-radius: 5px;  
  box-shadow: 0 3px #006;  
}
```



```
<div class="button2">Button2</div>
```

```
.button2 {  
  position: relative;  
  box-sizing: border-box;  
  padding: 7px;  
  text-align: center;  
  background: #ddd;  
  border-radius: 5px;  
  border: 1px solid #999;  
}  
.button2::after {  
  content: "";  
  display: block;  
  position: absolute;  
  top: 50%;  
  right: 10px;  
  margin-top: -7px;  
  box-sizing: border-box;  
  width: 14px;  
  height: 14px;  
  border-right: 2px solid #999;  
  border-bottom: 2px solid #999;  
  -webkit-transform: rotate(-45deg);  
  transform: rotate(-45deg);  
}
```

※We will explain about vendor prefix later.

You can use not only float, but also display: table and Flexbox for Column layout.

display: table



It is useful when you want to set centered vertically.

```
<ul class="imgList">
  <li class="imgBox"></li>
</ul>
```

```
.imgList { display: table; }
.imgBox {
  display: table-cell;
  width: 300px;
  height: 300px;
  vertical-align: middle;
  background: #ccc;
}
.imgBox img {
  width: 100%;
  height: auto;
}
```

Flexbox (flexible box model)



```
<ul class="main-nav">
  <li><a href="#">bt1</a></li>
  <li><a href="#">bt2</a></li>
  <li><a href="#">bt3</a></li>
  <li><a href="#">bt4</a></li>
</ul>
```

```
.main-nav {
  display: -webkit-box;
  display: flex;
  -webkit-box-pack: center;
  justify-content: center;
}
.main-nav li:first-child {
  margin-right: auto;
}
.main-nav li:last-child {
  margin-left: auto;
}
```

※If it is before Andriod4.3, you can use it limitedly. So, be careful.

Vendor prefix

When you use CSS3, confirm it can use for target browser or not and then **put vendor prefix -webkit-** if you need.

Main CSS3

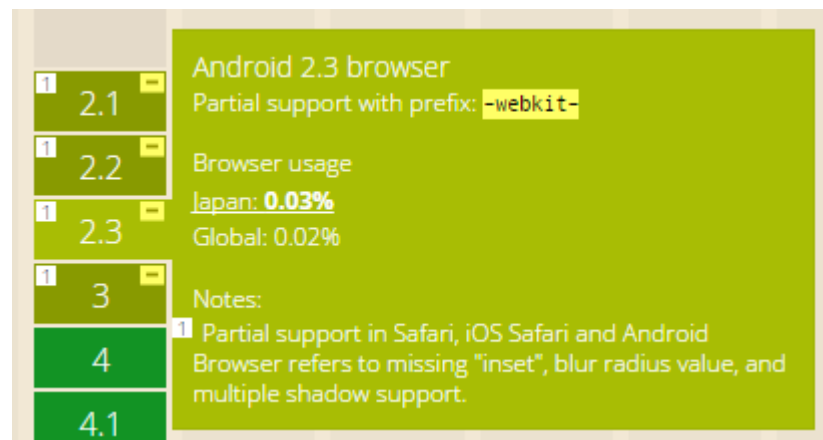
	Vendor prefix is necessary ver.		Reference Usable IE
	iOS Safari	Android Browser	
box-sizing	4.3	2.3	8
background-size	Unnecessary	2.3	9
border-radius	3.2	2.1	9
* border-image	5.1	4.3	11
box-shadow	4.3	2.3	9
text-shadow	Unnecessary	Unnecessary	10
* linear-gradient()	6.1	4.3	10
* radial-gradient()	6.1	4.3	10
* Flexbox	8.4	4.3	10
* transform	8.4	4.4	9
* transition	6.1	4.3	10
* animation	8.4	4.4	10

Dealing with over Android 4.x is general, so put -webkit- on * mark.

In case of box-shadow

```
-webkit-box-shadow: 0 3px #006;  
box-shadow: 0 3px #006;
```

You can confirm dealing situation by site that is "Can I use..."



Reference

Can I use... <http://caniuse.com/>

ベンダーprefix(-webkit/-moz/-o/-ms)の要否まとめ 2015/6 <http://mamewaza.com/support/blog/vendor-prefix.html>

table is over from screen depend on text that inserted to cell because smart phone screen is small.
If it is over, make alphanumeric text begin new line.

```
table{ width:100%; }
```

日本語 の文字	日本語 の文字	日本語 の文字	日本語 の文字	日本語 の文字
0123456789	0123456789	0123456789	0123456789	0123456789
Alphabet	Alphabet	Alphabet	Alphabet	Alphabet



```
table{
  width:100%;
  word-break: break-word;
}
```

日本語 の文字	日本語 の文字	日本語 の文字	日本語 の文字	日本語 の文字
0123 4567 89	0123 4567 89	0123 4567 89	0123 4567 89	0123 4567 89
Alpha bet	Alpha bet	Alpha bet	Alpha bet	Alpha bet