

SIZE & POSITION

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Styling size

Consider the following HTML snippet

```
<h1>Size and position</h1>
```

```
<p style="
```

```
background-color: yellow;">
```

Paragraphs are block
elements by default

```
</p>
```

```
<p style="
```

```
background-color: blue;
```

```
color: white;">
```

but we can override
their layout behavior

```
</p>
```

Size and position

Paragraphs are block elements by default

but we can override their layout behavior

Styling width

Width configures width of element.

Note block elements still add vertical break

```
<h1>Size and position</h1>
```

```
<p style="
```

```
width: 100px;
```

```
background-color: yellow;
```

```
"> ...
```

```
</p>
```

```
<p style="
```

```
width: 100px;
```

```
background-color: blue;
```

```
color: white;
```

```
"> ...
```

```
</p>
```

Size and position

Paragraphs are
block elements
by default

but we can
override their
layout behavior

Styling height

Height controls height of element

```
<h1>Size and position</h1>
```

```
<p style="
```

```
width: 100px;
```

```
height: 80px;
```

```
background-color: yellow;
```

```
"> ... </p>
```

```
<p style="
```

```
width: 100px;
```

```
height: 30px;
```

```
background-color: blue;
```

```
color: white;
```

```
"> ...</p>
```

Size and position

Paragraphs are
block elements
by default

but we can
override their

Styling relative position

Left and right move horizontally, can be -

<h1>Size and position</h1>

```
<p style="
  width: 100px;
  height: 80px;
  background-color: yellow;
"> ... </p>
```

```
<p style="
  position: relative;
  left: 20px;
  background-color: blue;
  color: white;
"> ...</p>
```

Size and position

Paragraphs are
block elements
by default

but we can
override their
layout behavior

relative position is measured
from default position

Styling relative position

Top and bottom moves vertically, can be -

<h1>Size and position</h1>

```
<p style="
  width: 100px;
  height: 80px;
  background-color: yellow;
"> ... </p>
```

```
<p style="
  position: relative;
  left: 20px;
  top: -30px;
  background-color: blue;
  color: white;
"> ... </p>
```

Size and position

Paragraphs are
block elements

by default, but we can
override their
layout behavior

vertical and horizontal can be
combined to position anywhere

Styling relative position

Top and bottom moves vertically, can be -

<h1>Size and position</h1>

```
<p style="
  width: 100px;
  height: 80px;
  background-color: yellow;
"> ... </p>
```

```
<p style="
  position: relative;
  left: 20px;
  top: -30px;
  background-color: blue;
  color: white;
"> ... </p>
```

Size and position

Paragraphs are
block elements

by default, but we can
override their
layout behavior

vertical and horizontal can be
combined to position anywhere

Stretching horizontally

Use both **left and right** write to stretch

```
<p style="
  position: relative;
  left: 0px;
  right: 0px;
  width: 100px;
  top: -30px;
  background-color: blue;
  color: white;
"> ...</p>
```

Size and position

Paragraphs are
block elements

but we can override their layout
behavior

remove **width** for stretch to
work horizontally

Absolute position

Absolute position is relative to document

```
<h1>Size and position</h1>
```

```
<p style="
```

```
  position: absolute;
```

```
  left: 30px; top: 30px;
```

```
  width: 100px;">...</p>
```

```
<p style="
```

```
  position: absolute;
```

```
  left: 50px; top: 50px;
```

```
  width: 100px;">...</p>
```

Size and position

Paragraphs are

block-level, but we can

override their

layout behavior

Sticky header

```
<body style="
  position: relative;
  top: 60px;">
<h1 style="
  position: fixed;
  top: 0px;
  margin-top: 0px;
  background: white;">
  Size and Position
</h1>
```

```
<p>Lorem ipsum dolor sit amet.
```

```
<p>Lorem ipsum dolor sit amet.
```

Size and Position

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.

Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Portrait and Landscape Dimensions

index.css

```
.dimension-portrait {  
  width: 75px;  
  height: 100px;  
}  
  
.dimension-landscape {  
  width: 100px;  
  height: 75px;  
}  
  
.dimension-square {  
  width: 75px;  
  height: 75px;  
}
```

index.html

```
<h2>Dimension</h2>  
<div>  
  <div class="dimension-portrait bg-color-yellow">  
    Portrait  
  </div>  
  <div class="dimension-landscape bg-color-blue  
    fg-color-white">  
    Landscape  
  </div>  
  <div class="dimension-square bg-color-red">  
    Square  
  </div>  
</div>
```

Browser

Dimension

Portrait

Landscape

Square



Relative Position

index.css

```
.pos-relative-nudge-up-right {  
  position: relative;  
  bottom: 30px;  
  left: 30px;  
}  
  
.pos-relative-nudge-down-right {  
  position: relative;  
  top: 20px;  
  left: 20px;  
}  
  
.pos-relative {  
  position: relative;  
}
```

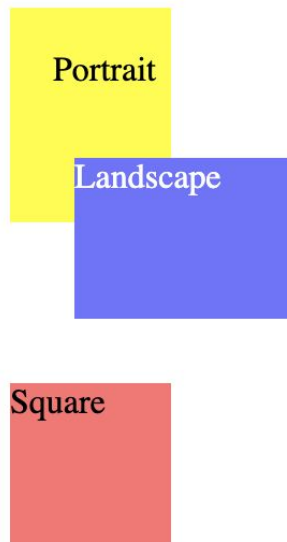
index.html

```
<h2>Position</h2>  
<h3>Relative</h3>  
<div>  
  <div class="bg-color-yellow ...">  
    <div class="pos-relative-nudge-down-right">  
      Portrait</div>  
    </div>  
    <div class="pos-relative-nudge-up-right ...">  
      Landscape</div>  
  <div class="bg-color-red ...">  
    Square</div>  
</div>
```

Browser

Position

Relative



Absolute Position

index.css

```
.pos-absolute-10-10 {  
  position: absolute;  
  top: 10px;  
  left: 10px;  
}
```

```
.pos-absolute-50-50 {  
  position: absolute;  
  top: 50px;  
  left: 50px;  
}
```

```
.pos-absolute-120-20 {  
  position: absolute;  
  top: 20px;  
  left: 120px;  
}
```

index.html

```
<h3>Absolute position</h3>
```

```
<div class="pos-relative">
```

```
  <div class="pos-absolute-10-10">
```

```
    Portrait
```

```
  </div>
```

```
  <div class="pos-absolute-50-50">
```

```
    Landscape
```

```
  </div>
```

```
  <div class="pos-absolute-120-20">
```

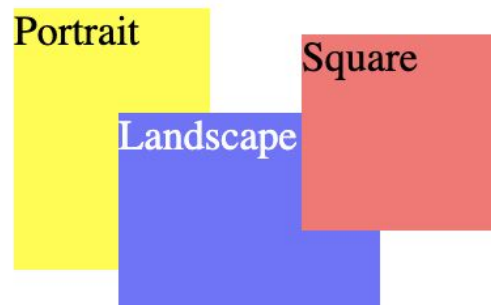
```
    Square
```

```
  </div>
```

```
</div>
```

Browser

Absolute position



Fixed Position

index.css

```
.pos-fixed {  
    position: fixed;  
    right: 0px;  
    bottom: 50%;  
}
```

index.html

```
<h3>Fixed position</h3>
```

Checkout the blue square that says "Fixed position" stuck all the way on the right and half way down the page. It doesn't scroll with the rest of the page. Its position is "Fixed".

```
<div class="pos-fixed dimension-square bg-color-blue  
fg-color-white">Fixed position</div>
```

Fixed position

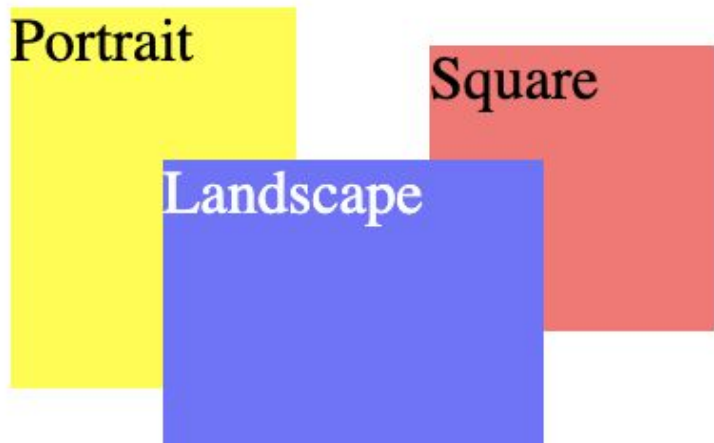
Checkout the blue square that says "Fixed position" stuck all the way on the right and half way down the page. It doesn't scroll with the rest of the page. Its position is "Fixed".

Fixed
position

Z-Index

index.css

```
.zindex-bring-to-front {  
  z-index: 10;  
}
```



index.html

```
<h2>Z index</h2>  
<div class="pos-relative">  
  <div class="pos-absolute-10-10  
    dimension-portrait">  
    Portrait</div>  
  <div class="zindex-bring-to-front  
    pos-absolute-50-50  
    dimension-landscape">  
    Landscape</div>  
  <div class="pos-absolute-120-20  
    dimension-square">  
    Square</div>  
</div>
```