

Block-containers

In this document blocks with `absolute-position="absolute"` have red border and pink background, blocks with `absolute-position="fixed"` have green border and light-green background, blocks with `absolute-position="auto"` have black border and grey background. All blocks have double border on the top and solid border on other sides.

1. Position of block-containers with `absolute-position="absolute"` or `fixed"`

This test contains a series of absolutely positioned block-containers. Each page contains two sets of block-containers - one with `absolute-position="absolute"` and another with `absolute-position="fixed"`. All other parameters of sets is same.

On this page, all blocks have fixed width and height, and 'right' and 'bottom' properties set to "auto". The blocks should be positioned with their upper left corner in the specified point.

This block-container is absolutely positioned. It has the following values for position properties:
 absolute-position="fixed" left="1in" reference-orientation="0" right="auto" width="2in" top="3in" height="2in" bottom="auto"

This block-container is absolutely positioned. It has the following values for position properties:
 absolute-position="fixed" left="3.5in" reference-orientation="90" right="auto" width="2in" top="3in" height="2in" bottom="auto"

This block-container is absolutely positioned. It has the following values for position properties:
 absolute-position="fixed" left="1in" reference-orientation="180" right="auto" width="2in" top="5.5in" height="2in" bottom="auto"

This block-container is absolutely positioned. It has the following values for position properties:
 absolute-position="fixed" left="3.5in" reference-orientation="270" right="auto" width="2in" top="5.5in" height="2in" bottom="auto"

On this page, all blocks have fixed width and height, and 'left' and 'top' properties set to "auto". The blocks should be positioned with their lower right corner in the specified point.

This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed" left="auto"
reference-orientation="270" right="3.5in"
width="2in" top="auto"
height="2in" bottom="5.5in"
```

This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed" left="auto"
reference-orientation="90" right="3.5in"
width="2in" top="auto"
height="2in" bottom="3in"
```

This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed" left="auto"
reference-orientation="180" right="1in"
width="2in" top="auto"
height="2in" bottom="3in"
```

This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed" left="auto"
reference-orientation="0" right="1in"
width="2in" top="auto"
height="2in" bottom="3in"
```

This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed" left="auto"
reference-orientation="180" right="1in"
width="2in" top="auto"
height="2in" bottom="5.5in"
```

On this page, all blocks have automatic width and height. All four corners have their specified positions.

This block-container is absolutely positioned. It has the following values for position properties:

```

absolute-position="fixed"
reference-orientation="0"
width="auto"
height="auto"
left="1in"
right="4in"
top="2.5in"
bottom="5.7in"
    
```

This block-container is absolutely positioned. It has the following values for position properties:

```

absolute-position="fixed"
reference-orientation="90"
width="auto"
height="auto"
left="4.5in"
right="0.5in"
top="2.5in"
bottom="5.7in"
    
```

This block-container is absolutely positioned. It has the following values for position properties:

```

absolute-position="fixed"
reference-orientation="180"
width="auto"
height="auto"
left="1in"
right="4in"
top="6in"
bottom="2in"
    
```

This block-container is absolutely positioned. It has the following values for position properties:

```

absolute-position="fixed"
reference-orientation="270"
width="auto"
height="auto"
left="4.5in"
right="0.5in"
top="6in"
bottom="2in"
    
```

2. Position of nested block-containers with `absolute-position="absolute"` or `"fixed"`

In this test we are combining coordinates and sizes of containers in different ways, however we expect all red containers (`absolute-position="absolute"`) to be the same size. In addition, red containers should not cross the borders of black ones. For each subtest with `absolute-position="absolute"` we placed same subtest on next page, but with `absolute-position="fixed"`.

Parent container has `reference-orientation="0"`.

This block-container is absolutely positioned. It has the following values for position properties:

<code>absolute-position="absolute"</code>	<code>left="50pt"</code>
<code>reference-orientation="0"</code>	<code>right="100pt"</code>
<code>width="250pt"</code>	<code>top="30pt"</code>
<code>height="150pt"</code>	<code>bottom="120pt"</code>

This block-container is absolutely positioned. It has the following values for position properties:

absolute-position="fixed"
reference-orientation="0"
width="250pt"
height="150pt"

left="50pt"
right="100pt"
top="30pt"
bottom="120pt"

Parent container has reference-orientation="90".

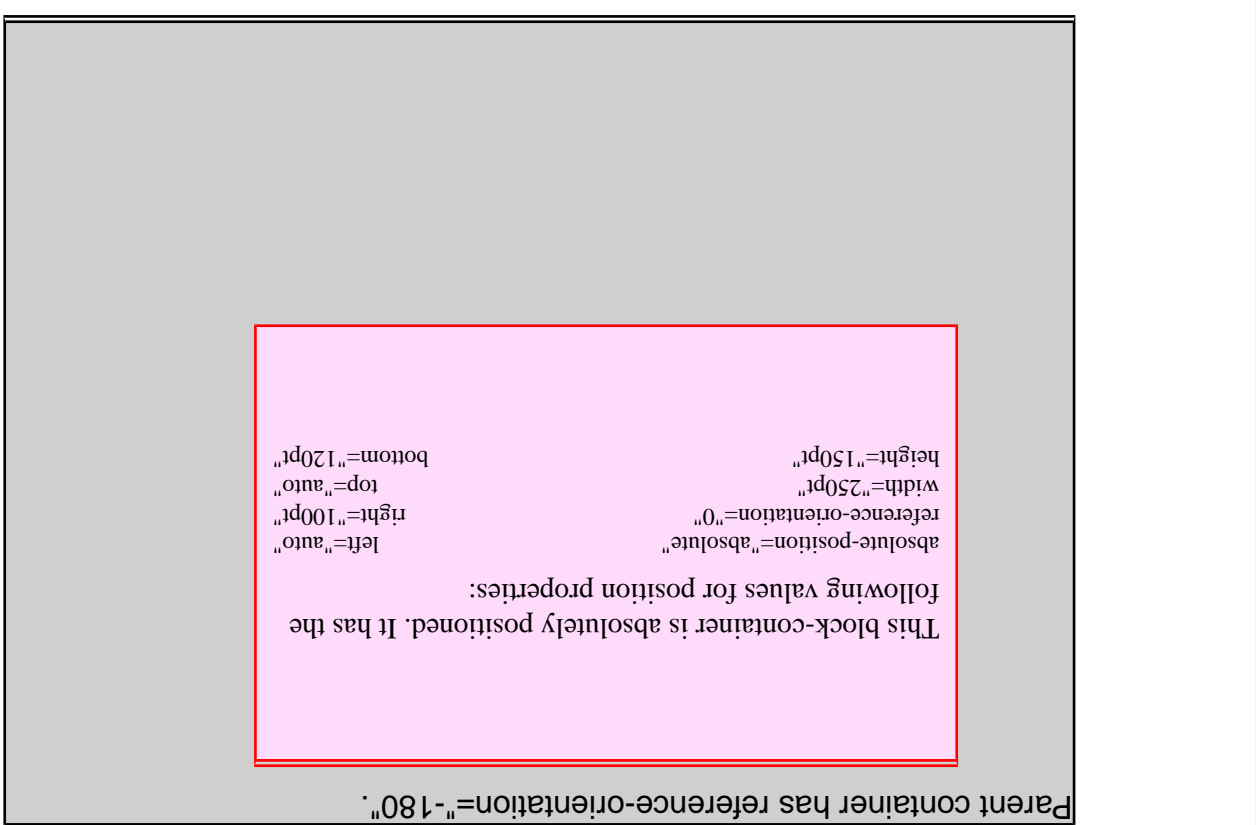
This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="absolute"  
reference-orientation="0"  
width="auto"  
height="auto"  
left="50pt"  
right="100pt"  
top="30pt"  
bottom="120pt"
```

This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed"  
reference-orientation="0"  
width="auto"  
height="auto"
```

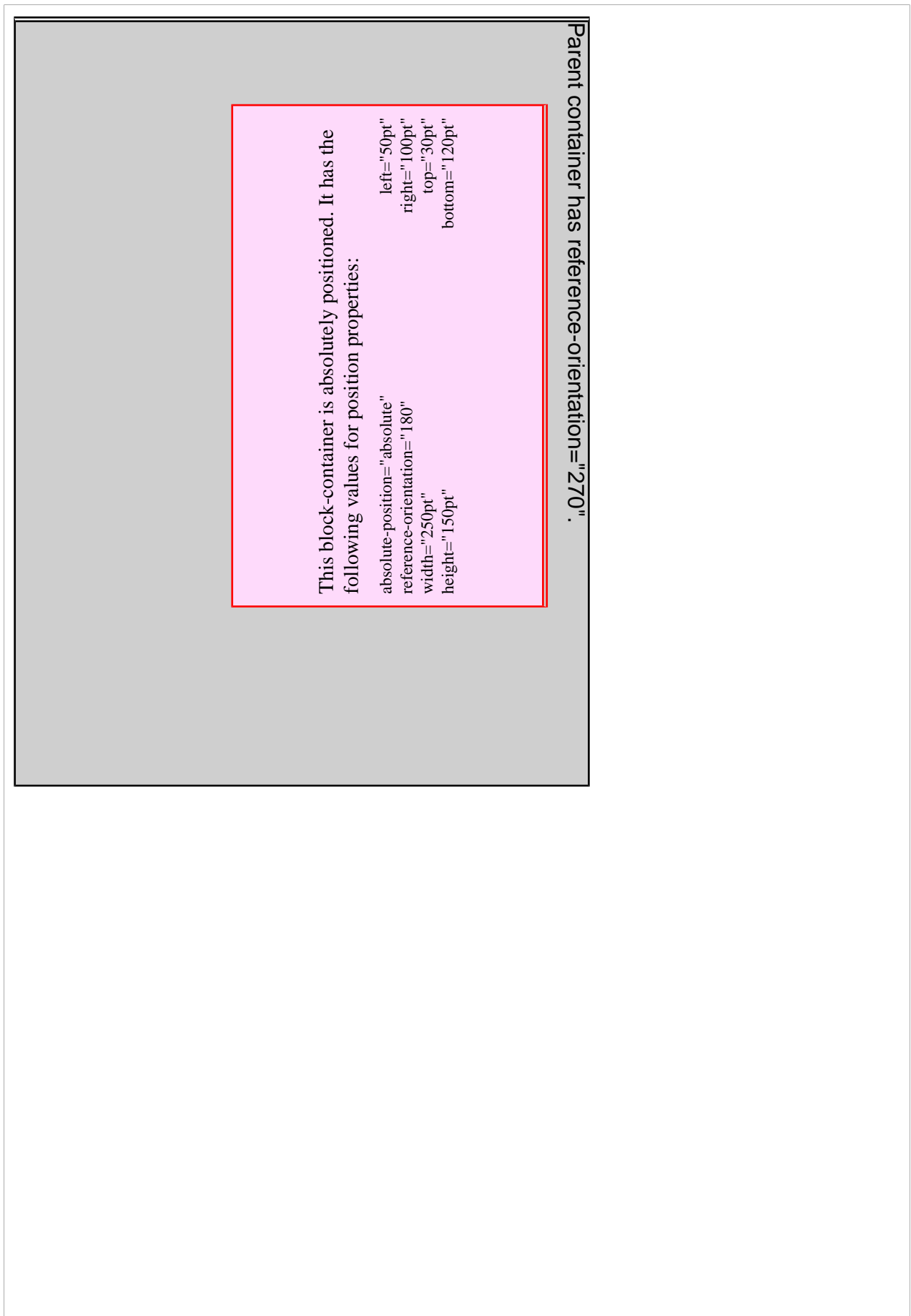
```
left="50pt"  
right="100pt"  
top="30pt"  
bottom="120pt"
```



This block-container is absolutely positioned. It has the following values for position properties:

absolute-position="fixed"	left="auto"
reference-orientation="0"	right="100pt"
width="250pt"	top="auto"
height="150pt"	bottom="120pt"



This block-container is absolutely positioned. It has the following values for position properties:

```
absolute-position="fixed"  
reference-orientation="180"  
width="250pt"  
height="150pt"  
left="50pt"  
right="100pt"  
top="30pt"  
bottom="120pt"
```

3. Padding properties

This text contains series of figures, each composed of two nested block-containers: the outer has black background, and the inner has blue background. The separation between the two frames is determined by padding value for the outer block-container. The space between the frames is filled by grey color.

3.1. Unabridged padding specifiers

The following tests have padding explicitly set for each side using padding-top / padding-bottom / padding-left /padding-right attributes.

Padding is zero, so the two frames must be attached.

Expected padding values:

Top: 0 points
Bottom: 0 points
Left: 0 points
Right: 0 points

Uniform padding from all sides.

Expected padding values:

Top: 6 points
Bottom: 6 points
Left: 6 points
Right: 6 points

Different padding values for all sides.

Expected padding values:

Top: 18 points
Bottom: 36 points
Left: 72 points
Right: 144 points

3.2. Shorthand padding specifiers

The following tests use a shorthand notation for padding, using a generic padding attribute.

Padding value: '0.1in'
Expected padding values:

Top: 0.1 inch
Bottom: 0.1 inch
Left: 0.1 inch
Right: 0.1 inch

Padding value: '0.25in 0.5in'
Expected padding values:

Top: 0.25 inch
Bottom: 0.25 inch
Left: 0.5 inch
Right: 0.5 inch

Padding value: '0in 1in 0.25in'
Expected padding values:

Top: 0 (no padding)
Bottom: 0.25 inch
Left: 1 inch
Right: 1 inch

4. Margin, Indent and Padding properties

This test contains a sets, each consist from three block-containers with same attributes except absolute-position, background and border. Background and border is same as describe on first page.

This block-container has the following values forproperties:

```
absolute-position="auto"      width="2.5in"
reference-orientation="0"    height="1.7in"
margin="0pt"                 left="1in"
padding="0pt"                right="auto"
start-indent="0pt"          top="3in"
bottom="auto"
```

This block-container has the following values forproperties:

```
absolute-position="fixed"    width="2.5in"
reference-orientation="0"    height="1.7in"
margin="0pt"                 left="1in"
padding="0pt"                right="auto"
start-indent="0pt"          top="3in"
bottom="auto"
```

This block-container has the following values forproperties:

```
absolute-position="auto"    width="2.5in"
reference-orientation="90"  height="1.7in"
margin="10pt"               left="1in"
padding="0pt"                right="auto"
start-indent="0pt"          top="3in"
bottom="auto"
```

following

```
width="2.5in"
height="1.7in"
left="1in"
right="auto"
top="3in"
bottom="auto"
```

This block-container has the following values forproperties:

```
absolute-position="fixed"    width="2.5in"
reference-orientation="90"  height="1.7in"
margin="10pt"               left="1in"
padding="0pt"                right="auto"
start-indent="0pt"          top="7in"
bottom="auto"
```

This block-container has the following values forproperties:

```
absolute-position="auto"    width="2.5in"
reference-orientation="0"    height="1.7in"
margin="0pt"                 left="1in"
padding="0pt"                right="auto"
start-indent="0pt"          top="7in"
bottom="auto"
```

This block-container has the following values for properties:

absolute-position="auto"	width="2.5in"
reference-orientation="0"	height="1.7in"
margin="0pt"	left="1in"
padding="10pt"	right="auto"
start-indent="0pt"	top="3in"
	bottom="auto"

This block-container has the following values for properties:

absolute-position="fixed"	width="2.5in"
reference-orientation="0"	height="1.7in"
margin="0pt"	left="1in"
padding="10pt"	right="auto"
start-indent="0pt"	top="3in"
	bottom="auto"

This block-container has the following values for properties:

absolute-position="fixed"	width="2.5in"
reference-orientation="0"	height="1.7in"
margin="0pt"	left="1in"
padding="10pt"	right="auto"
start-indent="0pt"	top="3in"
	bottom="auto"

This block-container has the following values for properties:

absolute-position="fixed"	width="2.5in"
reference-orientation="180"	height="1.7in"
margin="0pt"	left="1in"
padding="10pt"	right="auto"
start-indent="0pt"	top="7in"
	bottom="auto"

This block-container has the following values for properties:

absolute-position="absolute"	width="2.5in"
reference-orientation="180"	height="1.7in"
margin="0pt"	left="1in"
padding="10pt"	right="auto"
start-indent="0pt"	top="7in"
	bottom="auto"

This block-container has the following values for properties:

absolute-position="auto"	width="2.5in"
reference-orientation="0"	height="1.7in"
margin="30pt"	left="1in"
padding="20pt"	right="auto"
start-indent="10pt"	top="3in"

This block-container has the following values for properties:

absolute-position="fixed"	width="2.5in"
reference-orientation="0"	height="1.7in"
margin="30pt"	left="1in"
padding="20pt"	right="auto"
start-indent="10pt"	top="3in"
	bottom="auto"

Following

width="2.5in"
height="1.7in"
left="1in"
right="auto"
top="3in"
bottom="auto"

as the following

width="2.5in"
height="1.7in"
left="1in"
right="auto"
top="7in"
bottom="auto"

This block-container has the following values for properties:

absolute-position="fixed"
reference-orientation="270"
margin="20pt"
padding="10pt"
start-indent="30pt"

This block-container has the following values for properties:

absolute-position="absolute"

width="2.5in"
height="1.7in"
left="1in"
right="auto"
top="7in"
bottom="auto"

width="2.5in"
height="1.7in"
left="1in"
right="auto"
top="7in"
bottom="auto"

5. Borders conditionality

This test show .conditionality="discard" and .conditionality="retain" differentials on the block-containers with absolute-position="auto".

```
border-before-width.conditionality = discard
padding-before.conditionality = discard
```

```
border-after-width.conditionality = discard  
padding-after.conditionality = discard
```

```
border-before-width.conditionality = discard  
padding-before.conditionality = discard
```

```
border-after-width.conditionality = retain  
padding-after.conditionality = retain
```

```
border-before-width.conditionality = retain  
padding-before.conditionality = retain
```

```
border-after-width.conditionality = discard  
padding-after.conditionality = discard
```

```
border-before-width.conditionality = retain  
padding-before.conditionality = retain
```

```
border-after-width.conditionality = retain  
padding-after.conditionality = retain
```