

# Position literals to align with Parent Objects

Literal Positions add flexibility to the Position property for objects (and incidentally for spawners as well, but in a less extensive manner as spawners don't have a Pivot).

They should be useful for positioning an object relative to its parent, without doing some calculations manually.

When a Parent is defined for an object, you can use the same literals for Position as with Pivot to align object inside parent's borders.

The global form is:

```
Position = [pivot's override ->] Position's in parent space
```

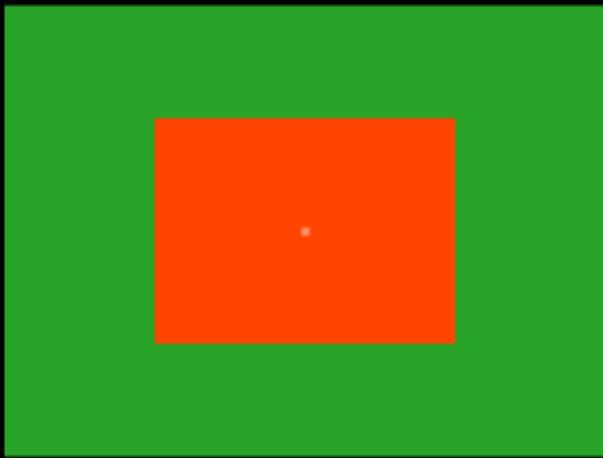
Here's a basic setup with one rectangular parent (green) and one rectangular child (red):

```
[Parent]
Color      = lime green
Size       = (400, 300)
Pivot      = center
ChildList  = Child

[Child]
Color      = orange red
Size       = (200, 150)
Pivot      = center
Position   = (0, 0, -0.1)
```

And its result (nothing unusual so far):

FPS: 60



The Pivot of each rectangle will be highlighted with a small lighter colored square Let's try a few things and see the results

```
[Parent]  
Pivot      = center
```

```
[Child]  
Pivot      = center  
Position   = top right
```



```
[Parent]
```

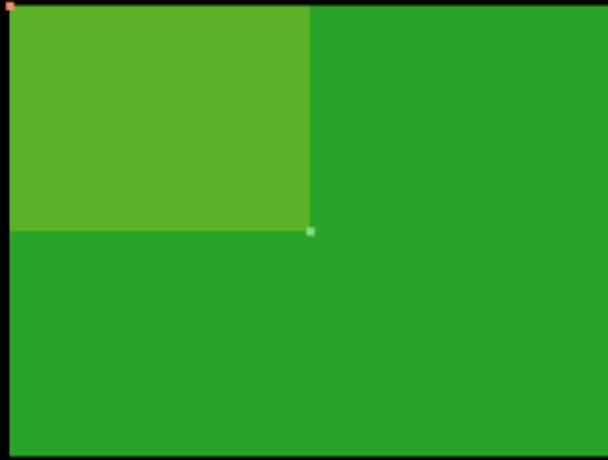
```
Pivot      = center
```

```
[Child]
```

```
Pivot      = top left
```

```
Position   = top left
```

FPS: 60



[Parent]

Pivot = left

[Child]

Pivot = bottom right

Position = top left (10, 10, -0.1)



```
[Parent]
Pivot      = left

[Child]
Pivot      = bottom left
Position   = bottom right -> bottom left
```

FPS: 60



[Parent]

Pivot = left

[Child]

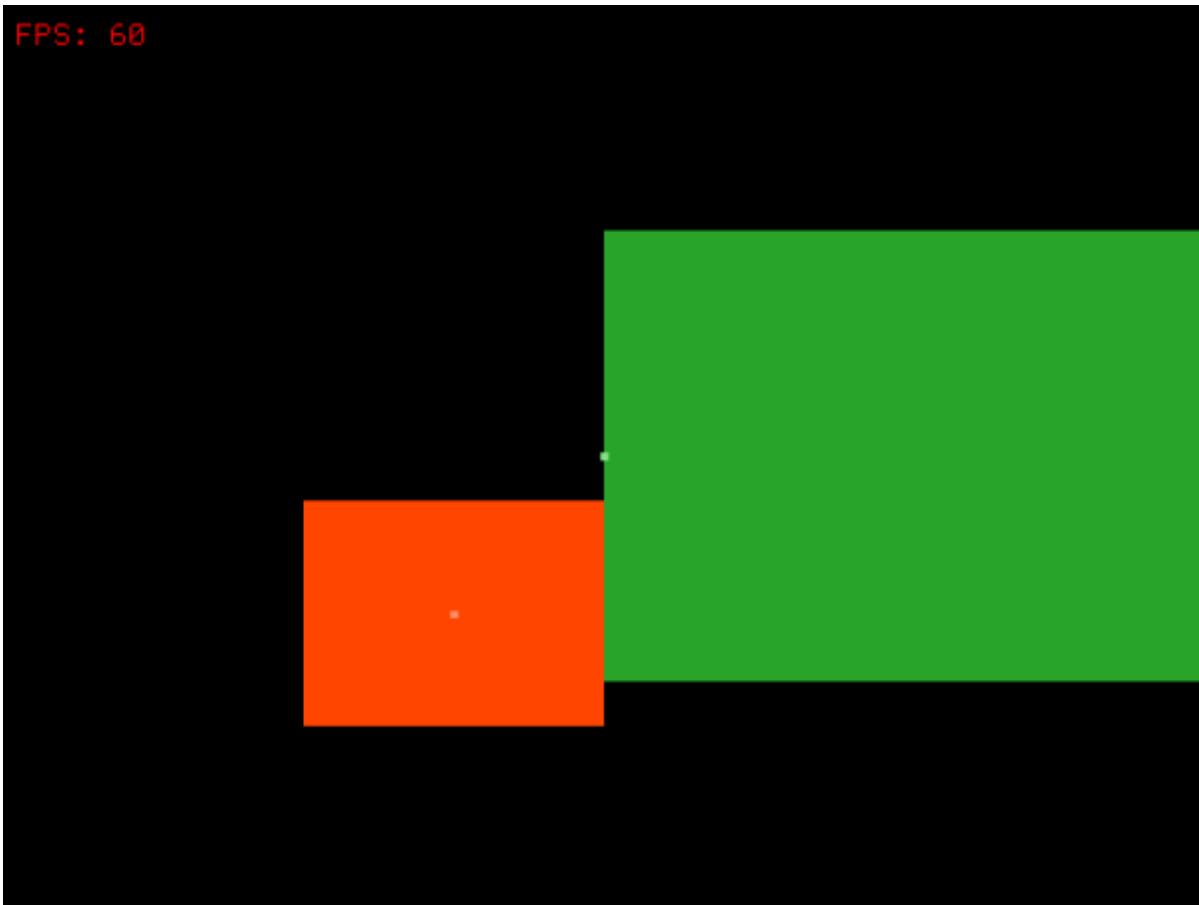
Pivot = (20, 20)

Position = (100, 100) -> bottom left -0.1



```
[Parent]
Pivot      = left

[Child]
UseParentSpace = position
Pivot      = center
Position     = top right -> (0, 0.1)
```



[Parent]

Pivot = left

[Child]

Pivot = (20, 20)

Scale = 0.5

Rotation = 30

Position = bottom right -> bottom left -0.1



One last for the road....

```
[Parent]
Pivot          = left
Rotation       = -30
Scale          = 0.5

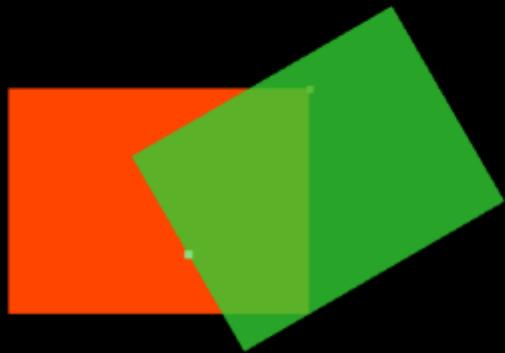
[Child]
UseParentSpace = position
Pivot          = top right
Scale          = 2
Rotation       = 30
Position        = bottom right -> bottom
```

Last update:

2025/09/30

17:26 (4 months ago) en:tutorials:objects:literals\_for\_objects https://orx-project.org/wiki/en/tutorials/objects/literals\_for\_objects?rev=1628511912

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