

## what does px value in perspective mean

The **px value in the CSS perspective property represents the distance (in pixels) between the viewer and the “z=0 plane” of the 3D scene**. This determines how strong the 3D effect appears for transformed child elements:

- **Smaller values** (like 100px) place the viewing plane closer, making the 3D effect *more intense and dramatic*—objects appear to have more pronounced depth and distortion.
- **Larger values** (like 1000px) place the viewing plane further away, causing a *shallower, subtler 3D effect*—objects look flatter and more distant <sup>[1] [2] [3] [4] [5] [6] [7]</sup>.

For example:

```
.perspective-small {  
  perspective: 100px; /* Strong 3D effect */  
}  
.perspective-large {  
  perspective: 1000px; /* Subtle 3D effect */  
}
```

The **perspective property affects only the child elements**, not the element it is set on directly <sup>[2] [6]</sup>. The value must be positive, and values less than 1px are clamped to 1px <sup>[3]</sup>.

In summary, the **px value in perspective sets how far the 3D scene is from the viewer, directly controlling the visual intensity of 3D transforms** <sup>[1] [2] [3] [5] [6] [7] [8]</sup>.

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1. <https://css-tricks.com/almanac/properties/p/perspective/>
2. [https://www.w3schools.com/cssref/css3\\_pr\\_perspective.php](https://www.w3schools.com/cssref/css3_pr_perspective.php)
3. <https://developer.mozilla.org/en-US/docs/Web/CSS/perspective>
4. <https://developer.mozilla.org/en-US/docs/Web/CSS/transform-function/perspective>
5. <https://codetofun.com/css/perspective/>
6. <https://www.geeksforgeeks.org/css/css-perspective-property/>
7. [https://www.w3schools.com/cssref/func\\_perspective.php](https://www.w3schools.com/cssref/func_perspective.php)
8. <https://css-tricks.com/how-css-perspective-works/>