

SOFTWARE

HOW BROWSERS RENDER ELEMENTS

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This is a bit of mystery for me but fortunately there is some information out there, mainly the article [“How browsers work”](#) by Tali Garsiel.

I was a bit annoyed by the current [Twentyfourteen WordPress Template](#) that renders first some lines before getting towards the final layout. I am experimenting therefore with [keyframe](#) encapsulating as I did not find any better method.

To influence the rendering behaviour I put the whole page in a box like being described by [graphicfusiondesign.com](#)

```
<div class="box fade-in">look at me</div>
```

The CSS looks like

```
/* keyframes define start and the end state of our box */
@-webkit-keyframes fadeIn { from { opacity:0; } to { opacity:1; } }
@-moz-keyframes fadeIn { from { opacity:0; } to { opacity:1; } }
@keyframes fadeIn { from { opacity:0; } to { opacity:1; } }

.fade-in {
  opacity:0; /* invisible upon start */
  -webkit-animation:fadeIn ease-in 1; /* call our keyframe, ease-in
and repeat 1 time */
  -moz-animation:fadeIn ease-in 1;
  animation:fadeIn ease-in 1;
  -webkit-animation-fill-mode:forwards; /* stay at last keyframe
value */
  -moz-animation-fill-mode:forwards;
  animation-fill-mode:forwards;
  -webkit-animation-duration:1s;
  -moz-animation-duration:1s;
  animation-duration:1s;
}
```