

领导

我不想写

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25MIN

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CSS

YUX

YUEWEN USER EXPERIENCE
DESIGN

01

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CSS - 艺术家

CSS - 砖家



领导，我不想写CSS了！

1. 设计稿 -> 网页
2. 模块组装、 模板编辑
3. 让自己少难受一点 ✓

反复出现的CSS赋予类名

```
.ell {  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```

```
<div class="cl-a ell">打点咯</div>
```

```
<div class="cl-b ell">打点咯 +1</div>
```



请问：

<div>标签的语义是什么？

<div class="cl-a ell">打点咯</div>



CSS与自定义标签

```
ell {  
  display: block;  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```

```
<ell class="cl-a">打点咯</ell>
```

```
<ell class="cl-b">打点咯 +1</ell>
```



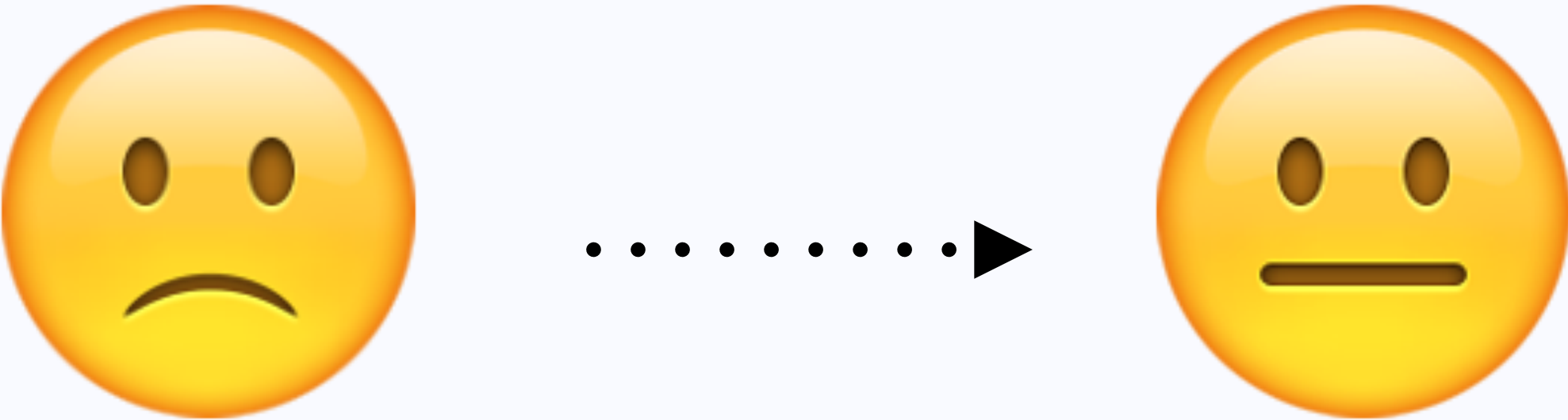
<e1l>▶ HTMLUnknownElement

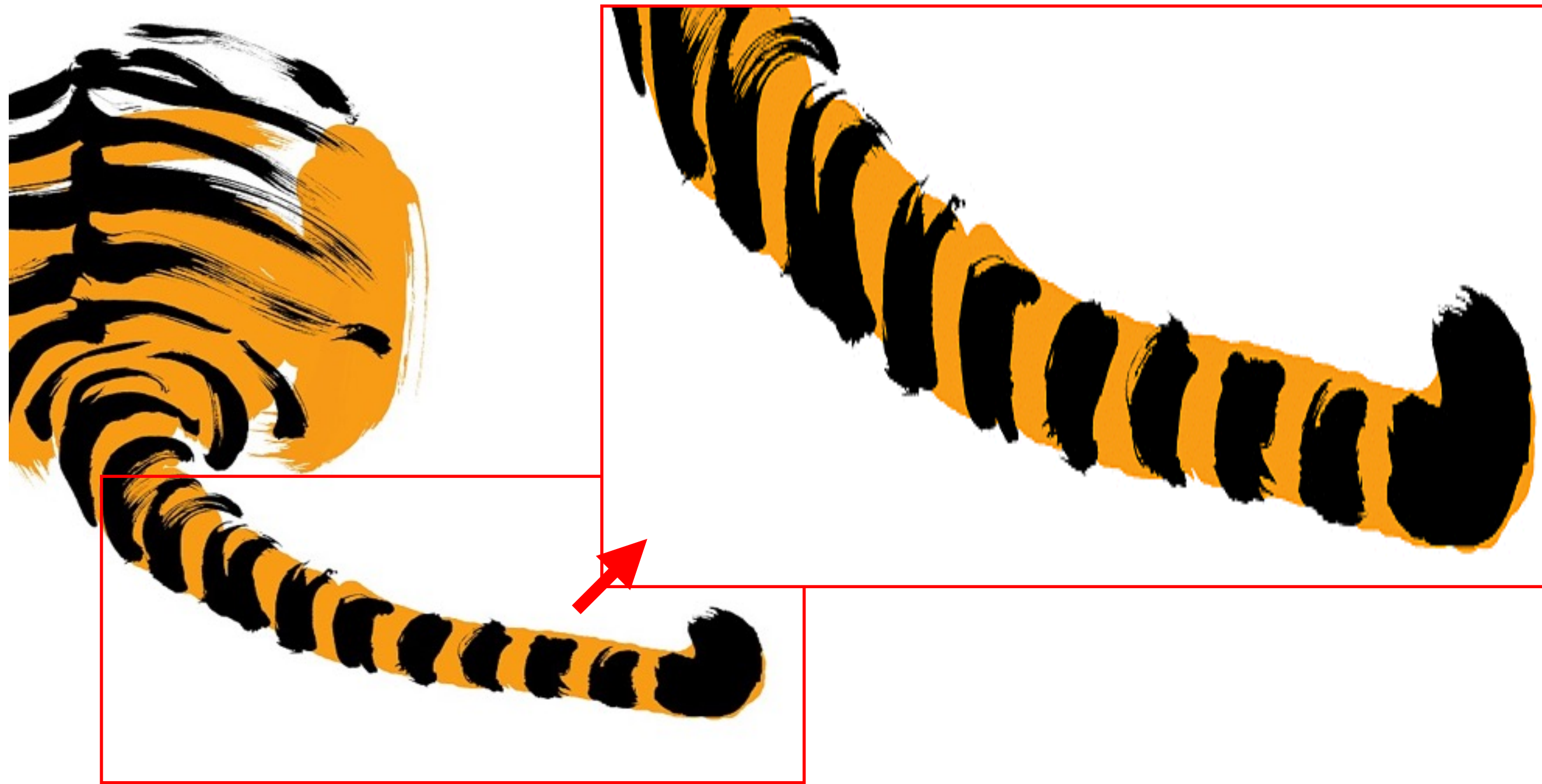
<x-e1l>▶ HTMLElement

CSS与自定义标签

```
db-ell {  
  display: block;  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```

```
<db-ell class="cl-a">打点咯</db-ell>
```





仅适用在页面
长尾区域

Sass、Less简化书写-Sass

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```
@mixin ell() {  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```

```
.class-a {  
  @include ell;  
}
```

复合

```
@mixin w($width: 0) {  
  width: $width;  
}
```

```
.class-b {  
  @include w(100px);  
}
```

单独

Sass、Less简化书写-Sass

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```
@mixin ell() {  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```



```
.class-a {  
  @include ell;  
}
```

复合

```
@mixin w($width: 0) {  
  width: $width;  
}
```

```
.class-b {  
  @include w(100px);  
}
```

单独

Less简化书写

```
.ell {  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```

```
.class-a {  
  .ell;  
}
```

复合

```
.w(@width: 0) {  
  width: @width;  
}
```

```
.class-b {  
  .w(100px);  
}
```

单独



• w(100px)

网络小说里有哪些令智障桥段?



萧九流
有猫。

8,746 人赞同了该回答

他低低的咒骂了一句：“shift”

编辑于 2017-06-20

▲ 8.7K



● 479 条评论

➤ 分享

★ 收藏

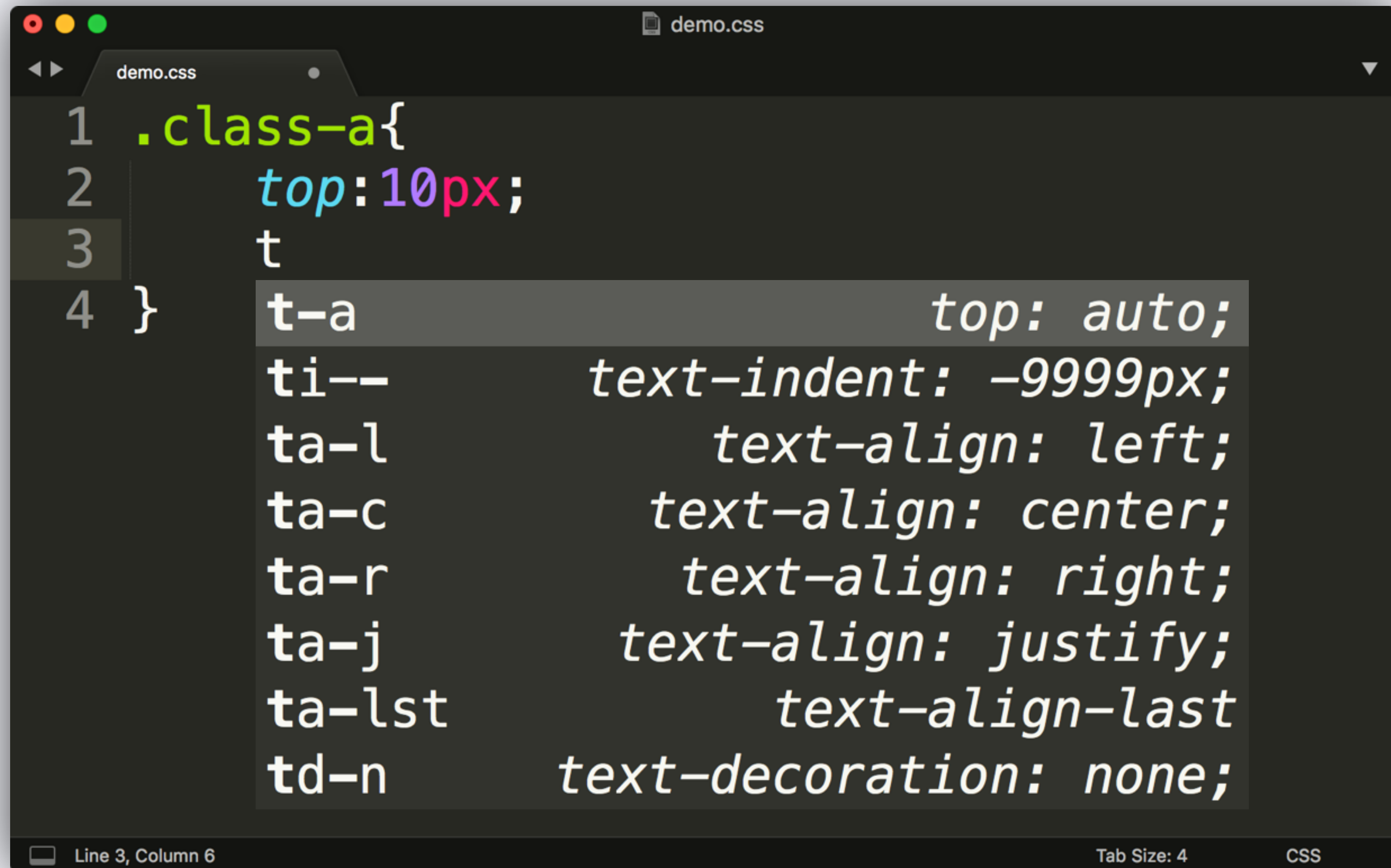
shift

不够快~

Sublime Emmet插件自带缩写

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The screenshot shows a Sublime Text editor window titled 'demo.css'. The editor content is as follows:

```
1 .class-a{
2     top:10px;
3     t
4 }
```

A dropdown menu is open from the character 't' on line 3, showing the following Emmet abbreviations and their expanded CSS rules:

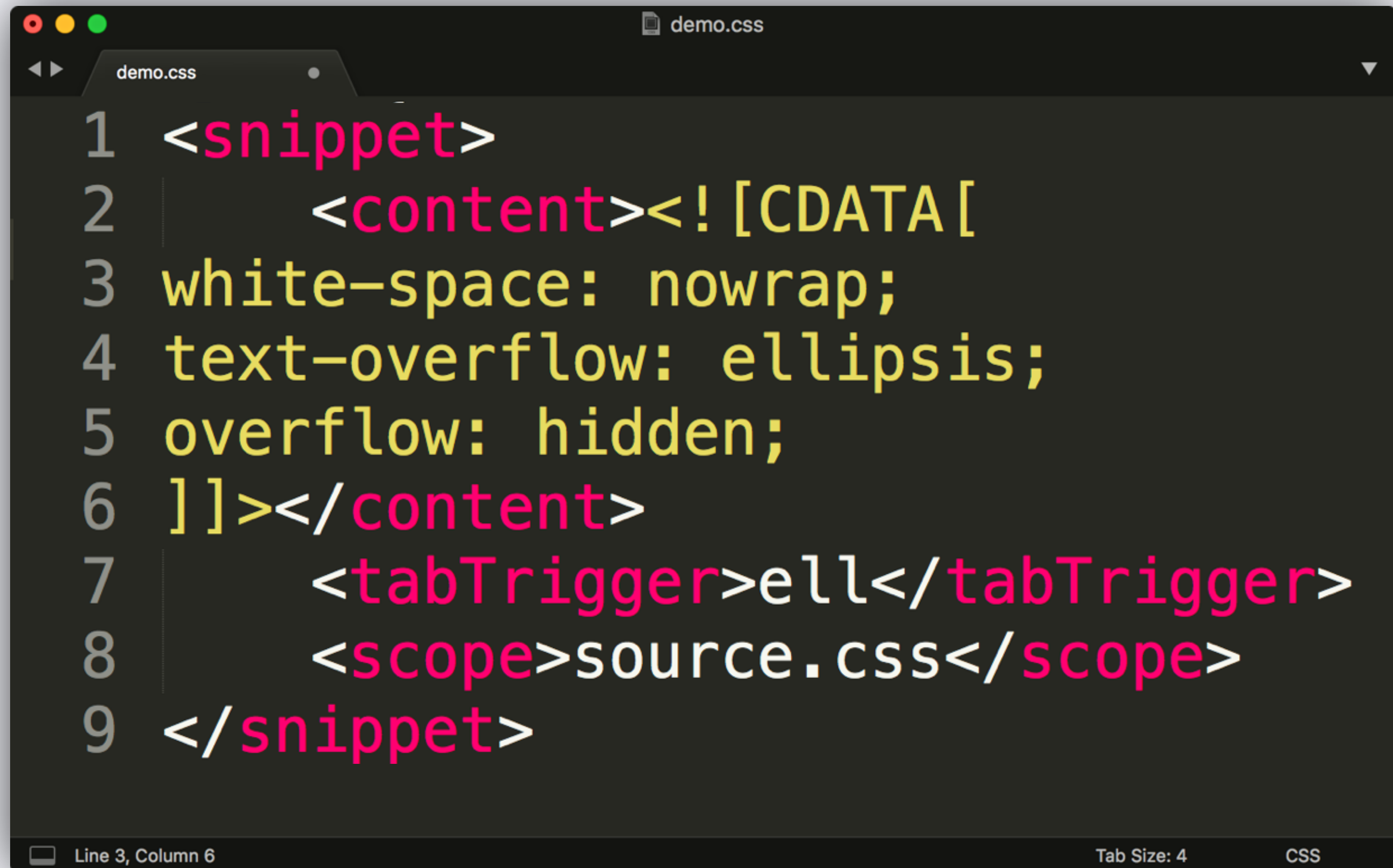
- t-a top: auto;
- ti-- text-indent: -9999px;
- ta-l text-align: left;
- ta-c text-align: center;
- ta-r text-align: right;
- ta-j text-align: justify;
- ta-lst text-align: last;
- td-n text-decoration: none;

The status bar at the bottom indicates 'Line 3, Column 6', 'Tab Size: 4', and 'CSS'.

Sublime还支持CSS片段自定义

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```
demo.css
1 <snippet>
2     <content><![CDATA[
3 white-space: nowrap;
4 text-overflow: ellipsis;
5 overflow: hidden;
6 ]]></content>
7     <tabTrigger>ell</tabTrigger>
8     <scope>source.css</scope>
9 </snippet>
```

Line 3, Column 6

Tab Size: 4

CSS

```
.class-a {
```

```
}
```

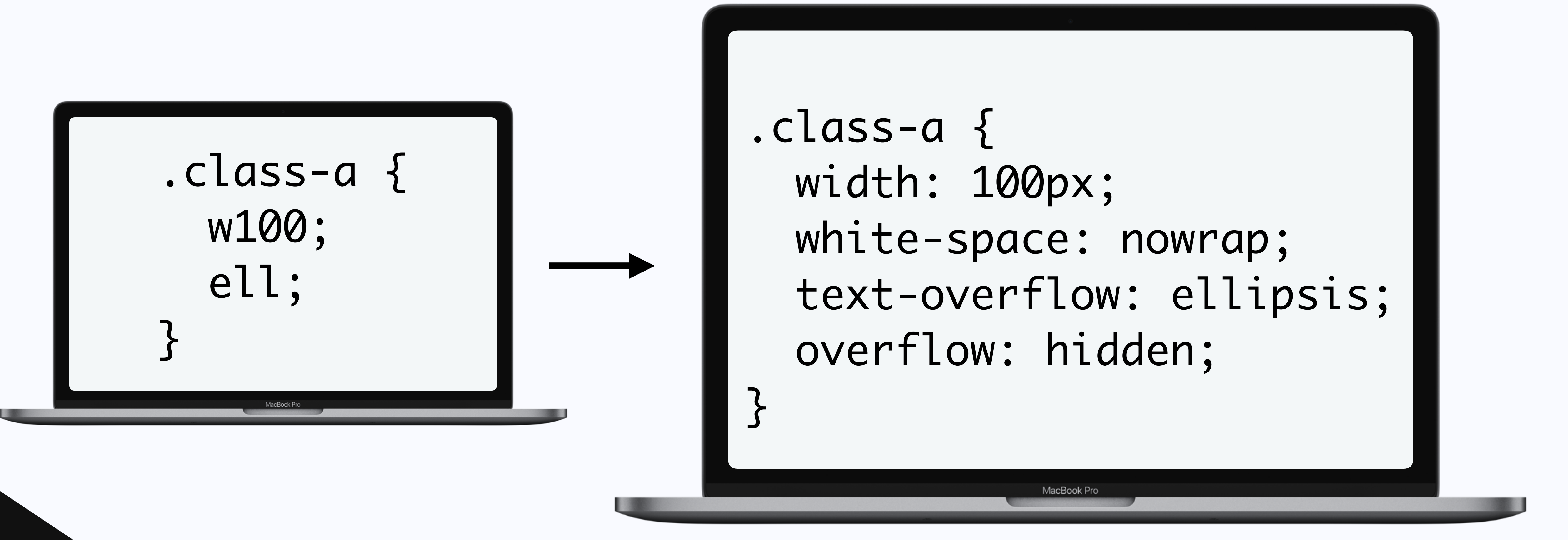


1. 可不可以不要Tab/Enter键?
2. 可不可以不写px单位;

自造简化书写- Qcss

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```
.class-a {  
  w100;  
  ell;  
}
```

```
.class-a {  
  width: 100px;  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```

没有括号，没有点，也没有回车键，兼容标准写法



```
home.qcss  x
1 @charset "UTF-8";
2

home.css  x
1 @charset "UTF-8";
2
```

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Qcss实现So easy!

```
var keyMap = {  
    '<': '&lt;',  
    '>': '&gt;',  
    '&': '&amp;',  
};  
  
xxx.replace(/<|&|>/g, function(matches) {  
    return keyMap[matches];  
});
```

```
keyMap = {  
  dn: 'display: none',  
  db: 'display: block',  
  m: 'margin: ',  
  ml: 'margin-left: ',  
  ...  
  ell: 'text-overflow:  
ellipsis; white-space: nowrap;  
overflow: hidden'  
}
```

Part1:
键值映射对象

Part2:
键值匹配替换方法

```

var qcss=function(b){var c={};b.replace(/\s*([\w\W]*?)\s*\/,function(g,f)
{f.split(";").forEach(function(j){var i=j.split("$")[1];if(i&&i.split(
/=l:/).length==2){var h=i.split(=l:/);if(h[1].trim()&&h[0].trim())
{c[h[0].trim()]=h[1].trim()}}}});b=b.replace(/;base64,/g,"%%%"
%");b=b.replace(/:\s*\/g,"#@#@#");var a=b.replace(/\{([\w\W]*?)\}/
g,function(j,f){f=f.replace(/\s*([\w\W]*?)\s*\/g,"");var h="";var
g="{\n"+h,i="\n}";if(/\s/.test(f)){i="\n"+h+"}";h=h+h;g="{"+f.split("{")
[0]+"{\n"+h;f=f.split("{")[1]}return g+f.split(";").map(function(k)
{k=k.trim();if(!k){return""}if(k.indexOf(":")!=-1){return k}return k.replace(
/^[a-z]+)(.*)$/g,function(n,l,m){m=(m||"").split(",").map(function(o)
{return(o||"").split(" ").map(function(p){p=p.trim();if(!p){return""}
if(l=="l"){l="left: "}else{if(l=="t"){l="top: "}else{if(l=="r"){l="right: "}
else{if(l=="b"){l="bottom: "}}}}if(!isNaN(p)){if(l=="lh"&&p<5){return p}
else{if(/^(?:zxloplzlfw)$/g.test(l)==false&&p!="0"&&/
^calc/.test(o.trim())==false){p=p+"px"}}}else{if(l=="tsl"){p=(e[p]||
p).replace(":", "").trim()}else{if(l!="a"){p=c[p]||d[p]||p}}}}return p}).join("
")}).join(", ");if(/:/g.test(l)==false){l=e[l]||l+": "};m=m.trim();if(!m)
{l=l.split(";").map(function(o){return o.trim().replace(/:\s+/, ": ").join(";
\n"+h)}return l+m}}).join("; \n"+h).trim()+i}).replace(/\w\s*/g,function(f)
{return f.replace("{", " {").replace(/\{([\w\W]*?)\}/g,function(f){return
f.replace("{", " {\n").replace(/^\s{8}/gm, " ").replace(/^\s{4}\s*/
gm, "}")});a=a.replace(/%%%%%/g,";base64, ").replace(/#@#@#/g,"://");return a};

```

Part1:
键值映射对象

Part2:
键值匹配替换方法

所有代码（含美化、自定义变量）就这么多～





DEMO
不用扫



QCSS压缩对比

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传统压缩:

taobao-min.css	17 KB	
taobao-min.qcss	9.75 KB	↓ 42.65%

加类名压缩:

taobao-min-cl.css	14.5 KB	
taobao-min-cl.qcss	7.23 KB	↓ 50.13%

.product_list .t_mall {} -> .AE .AF {}



Service Worker与qcss直连

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```
self.addEventListener('fetch', function(event) {  
  event.respondWith(async function () {  
    if (/\.qcss/.test(event.request.url)) {  
      let res = await fetch(event.request);  
      let text = await res.text();  
      return new Response(qcss(text), {  
        headers: { 'content-type': 'text/css; charset=utf-8' }  
      });  
    }  
  })();  
});
```

qcss 编译成css

Elements Console Sources **Network** Performance Memory >>

View: [Icons] Group by frame Preserve log Disable cache

Filter [] Hide data URLs

All | XHR JS CSS Img [] test Other

Name	Size	Time
 test.qcss /https-demo/online...	200 OK style... <u>index.html</u> Parser	(from ServiceWorker) 67 ms 57 ms
 t_ad.gif qidian.gtimg.com/...	200 OK gif <u>index.html</u> Parser	(from Se) 56 ms

<https://zhangxinxu.github.io/https-demo/online-compile/>



相比过去，CSS资源请求
体积可以**小30%~50%！**



逆向输出CSS压缩工具

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CSS -> Qcss

```
.class-a {  
  width: 100px;  
  white-space: nowrap;  
  text-overflow: ellipsis;  
  overflow: hidden;  
}
```



```
.class-  
a{w100;nowrap;text-  
overflow:ellipsis;ovh}
```

CSS 压缩工具-css2qcss

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extra.css 110 KB

extra.qcss 76.2 KB

↓ 30.97%

< 20ms

<http://gulp.qcss.tech/css2qcss.js>



The end~

类名独立 自定义标签	长尾，局部 ★ 大项目推荐 ★★★★★
Emmet和 snippet速写	不受任何限制 ★★★★★
Less简化	受团队技术选型限制 ★★★
Qcss简写	一人项目，短命项目 👍 其它场合不推荐 👎

类名独立
自定义标签

长尾，局部 ★ 大项目推荐 ★★★★★

Emmet和
snippet速写

不受任何限制 ★★★★★

Less简化

受团队技术选型限制 ★★★

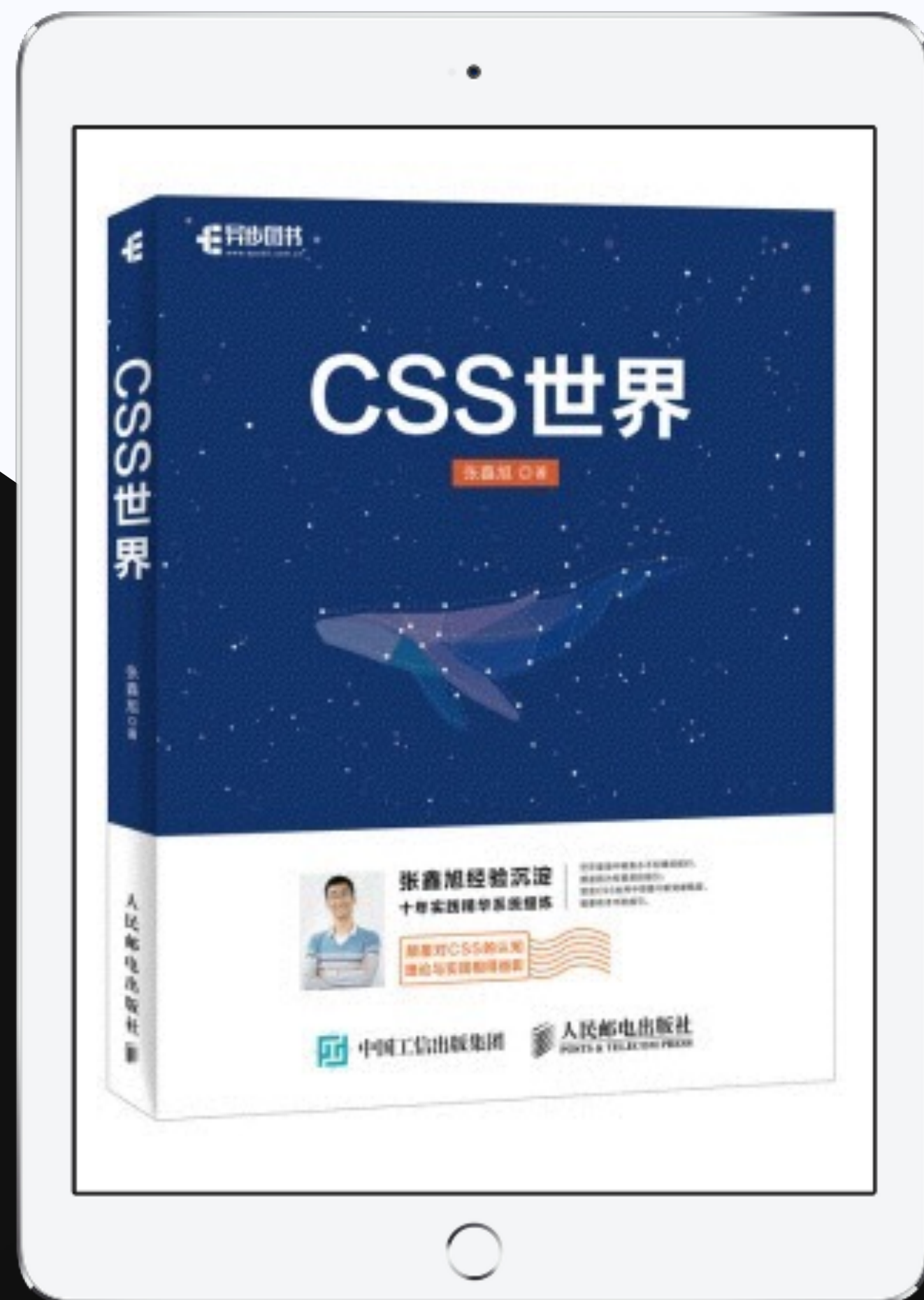
Qcss简写

一人项目，短命项目 👍 其它场合不推荐 👎

Qcss客户端
编译加压缩

黑盒 👍 低成本 适用范围广 ★★★★★

Q&A



Thanks

签售敬请期待