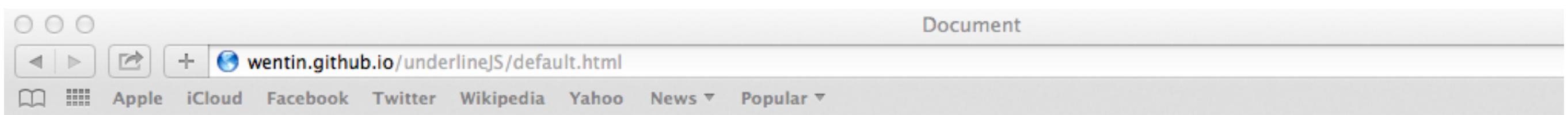


underline.js

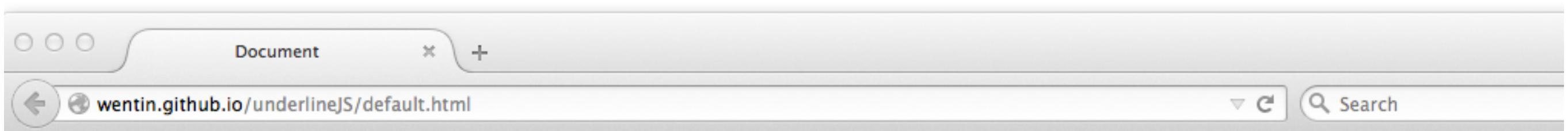
Wenting Zhang

@DesignJokes

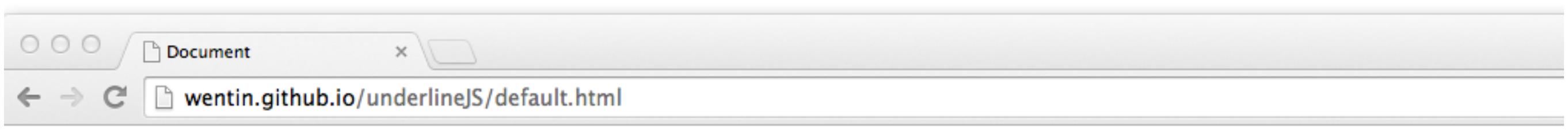
js



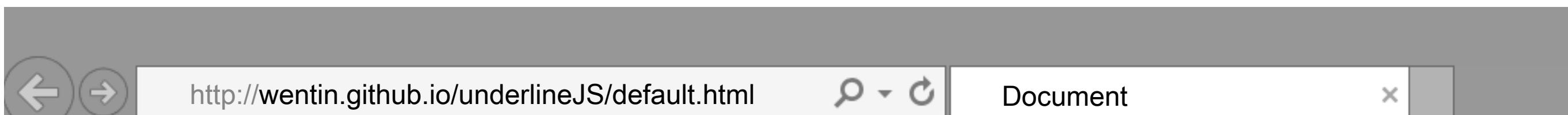
 **Safari**



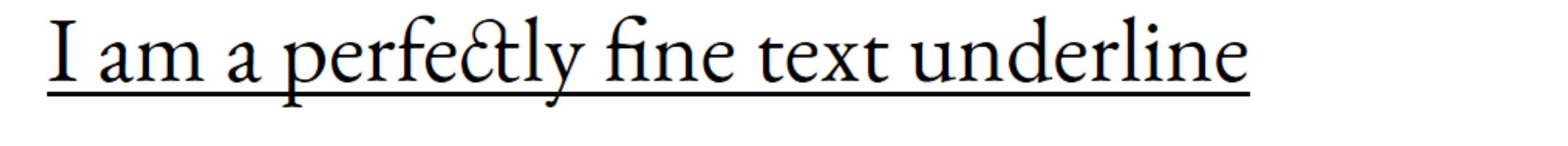
 **Firefox**



 **Chrome**



 **IE 11**



text-decoration: underline

Quidā eius libros nō ipsius esse sed Dionysii & Zophiri colophoniorū tradunt: qui iocādi causa cōscribentes ei ut disponere idoneo dederunt. Fuerunt autē Menippi sex. Prīus qui de lydis scripsit: Xanthūq; breviauit. Secūdus hic ipse. Tertius straticus sophista. Quartus sculptor. Quintus & sextus pictores: utrosq; memorat apollodorus. Cynici autem uolumina tredecī sunt. Nenīæ: testamenta: epistolæ cōpositæ ex deorum psona ad physicos & mathematicos grammaticosq;: & epicuri fœtus: & eas quæ ab ipsis religiose colluntur imagines: & alia.

*An early sample of one of first Roman typefaces,
designed by Nicholas Jenson, published in 1475.*

ff fi

ligature

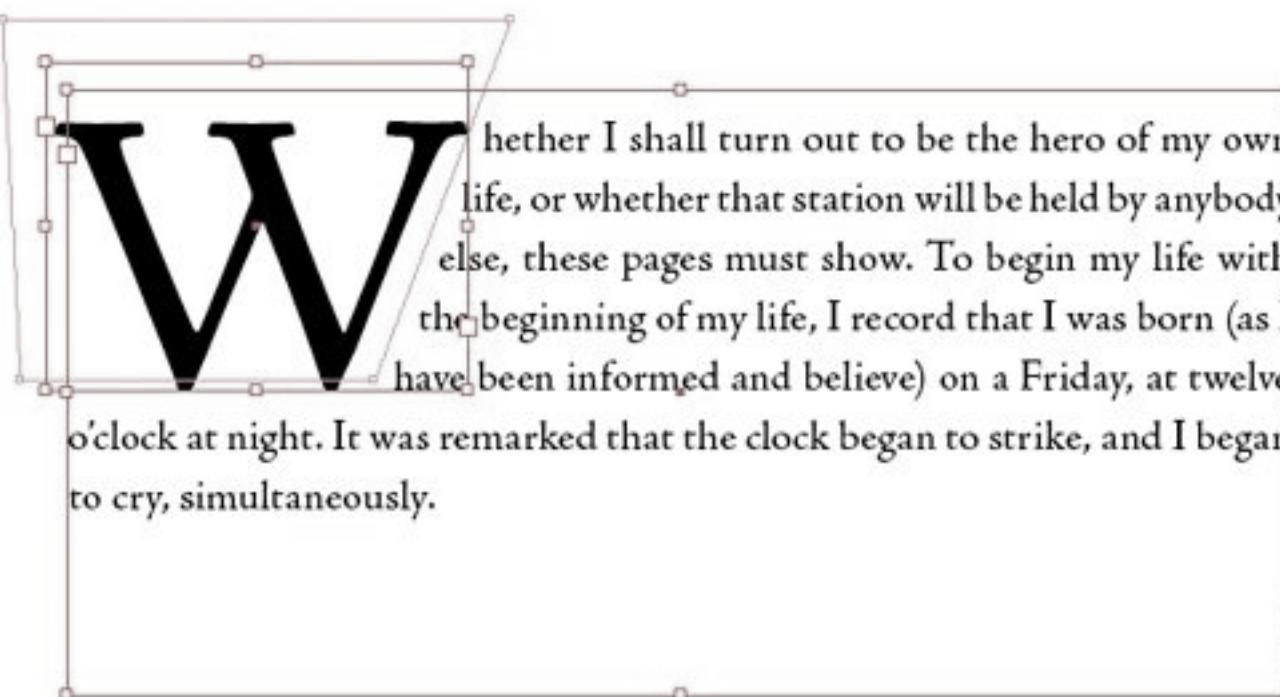
kern

kerning

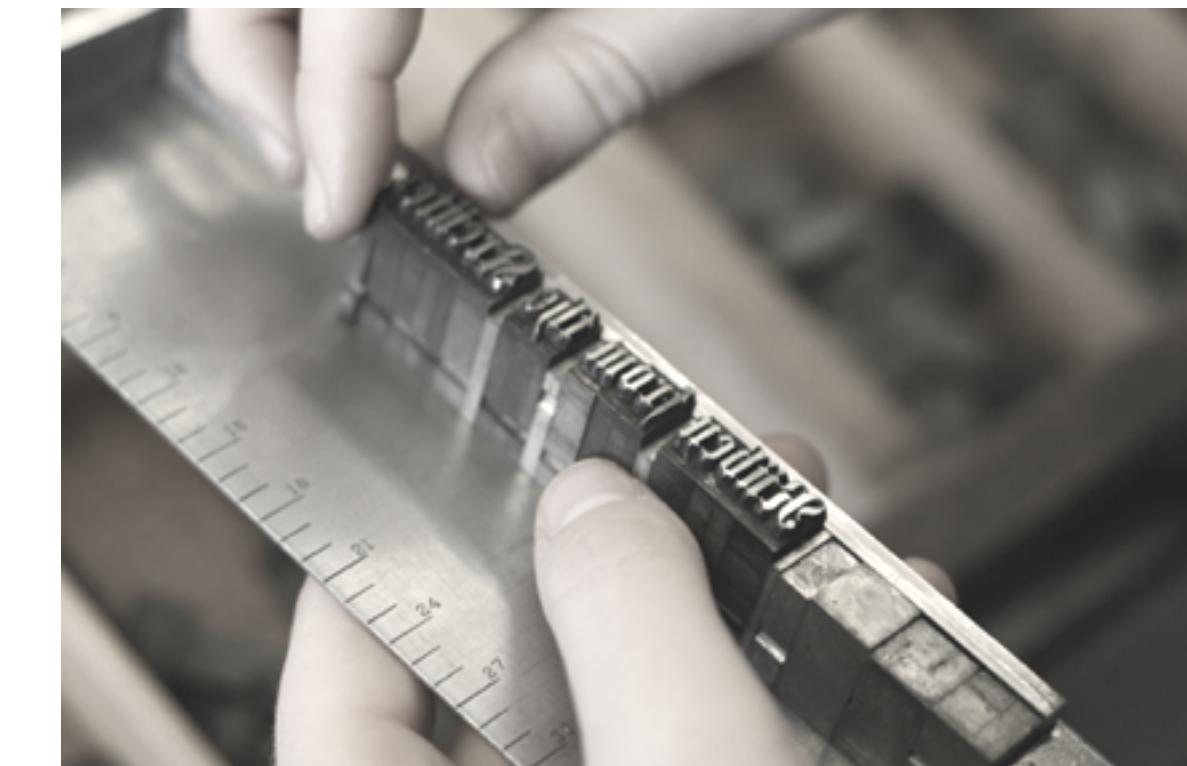
?

underline

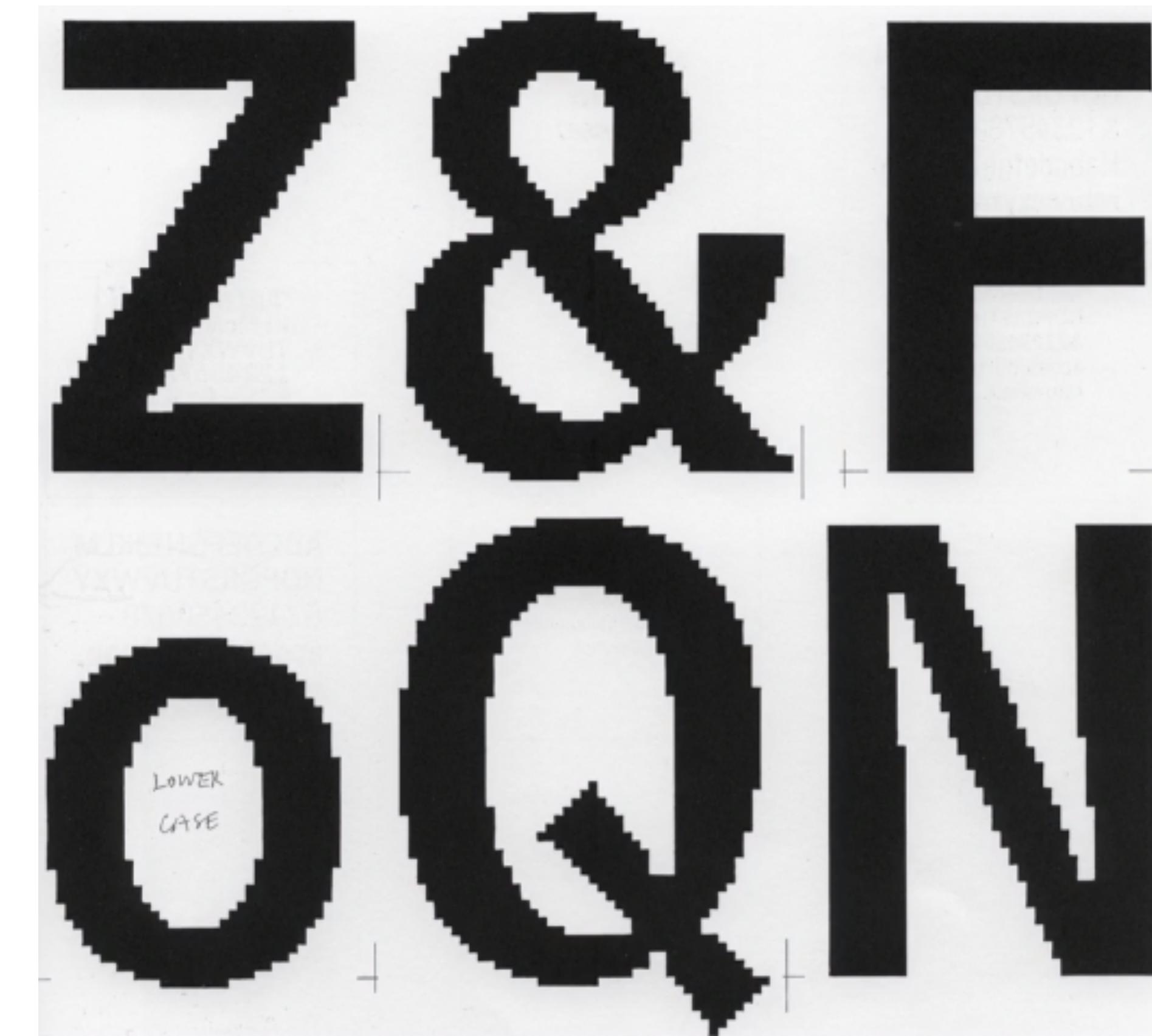
DEORATIVE initials used as drop capitals should be positioned on a text baseline and be sized so that the top of the capital letter aligns with the cap height on the first line of text.



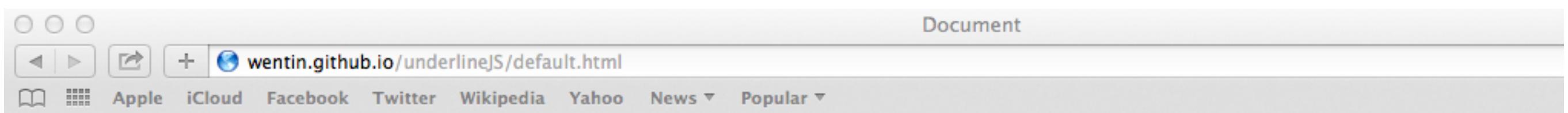
drop cap



type setting

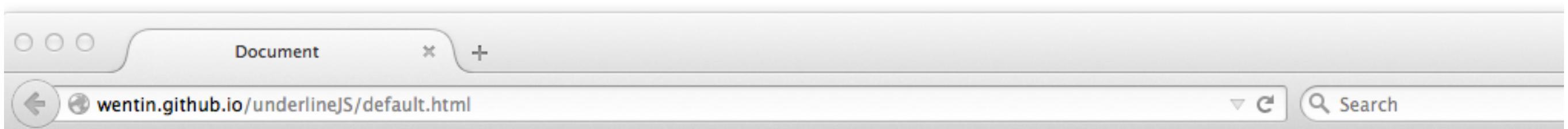


Type designer Matthew Carter showed us what the *earliest digital type* looked like



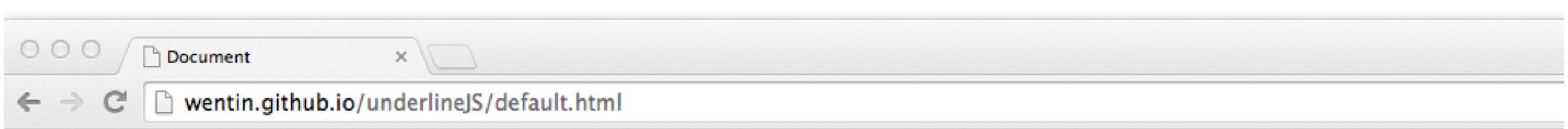
 **Safari**

I am a perfectly fine text underline



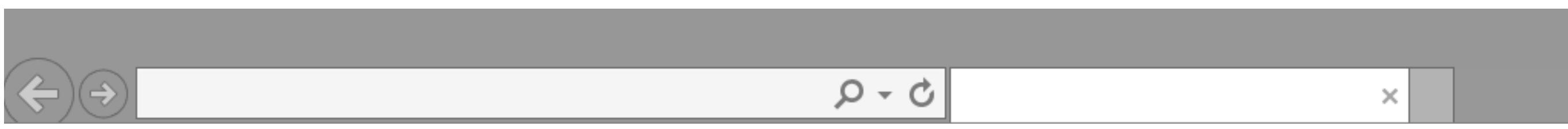
 **Firefox**

I am a perfectly fine text underline



 **Chrome**

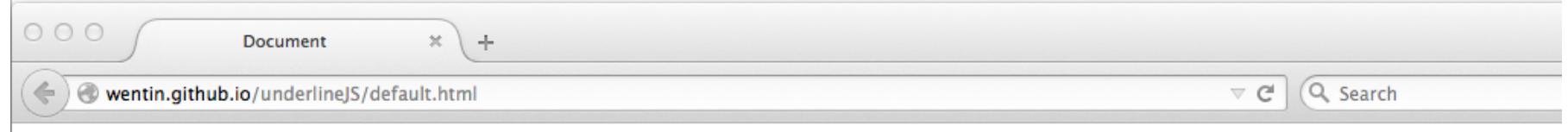
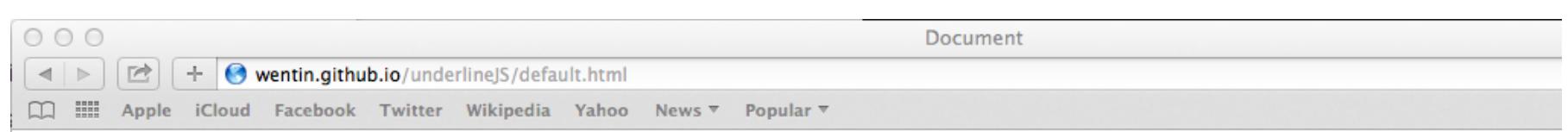
I am a perfectly fine text underline



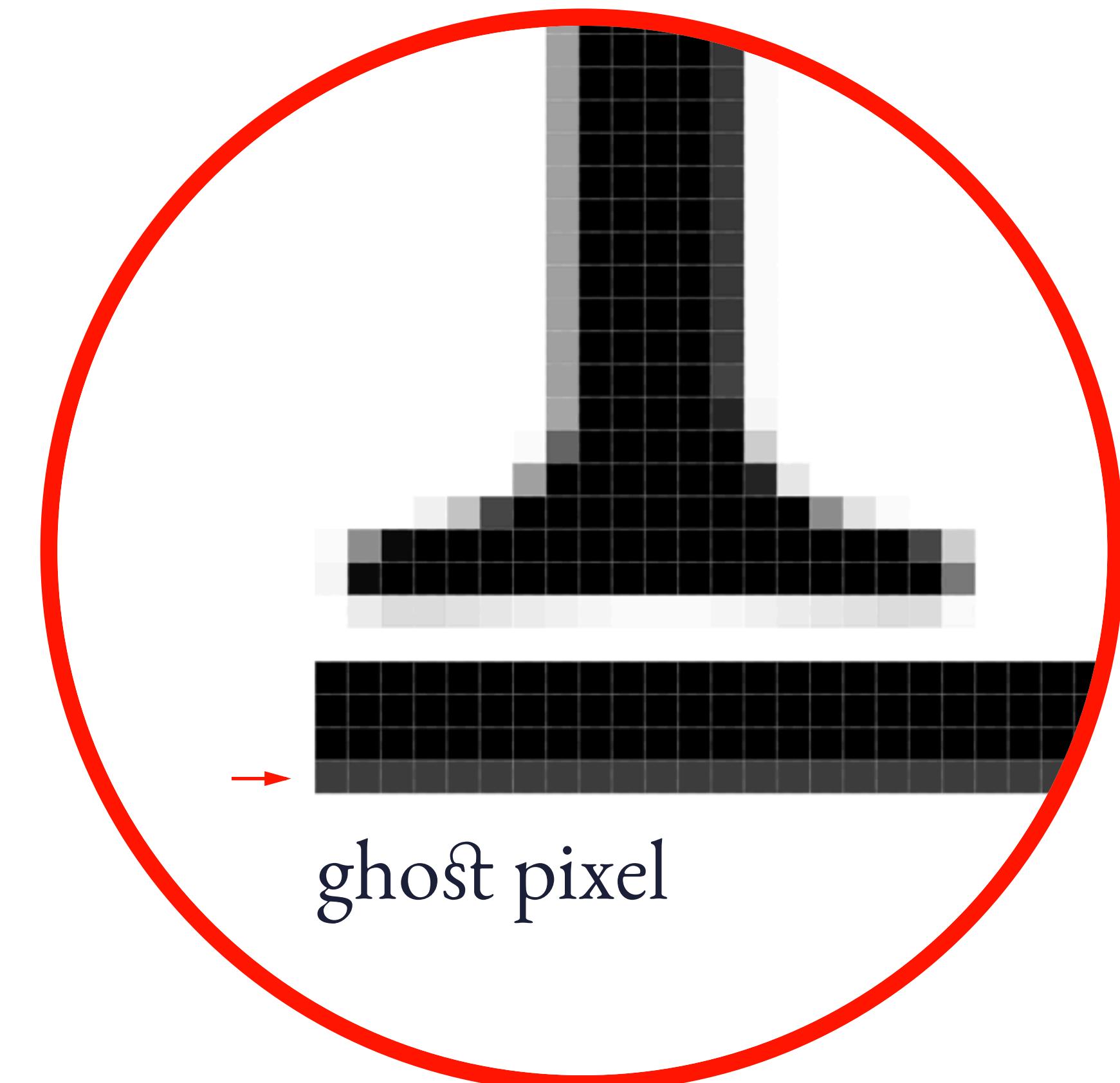
 **IE 11**

I am a perfectly fine text underline

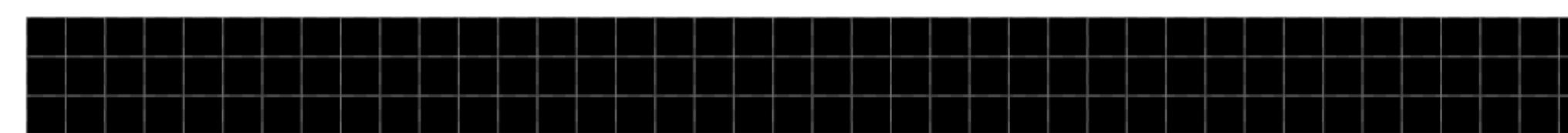
Why is it not perfect?



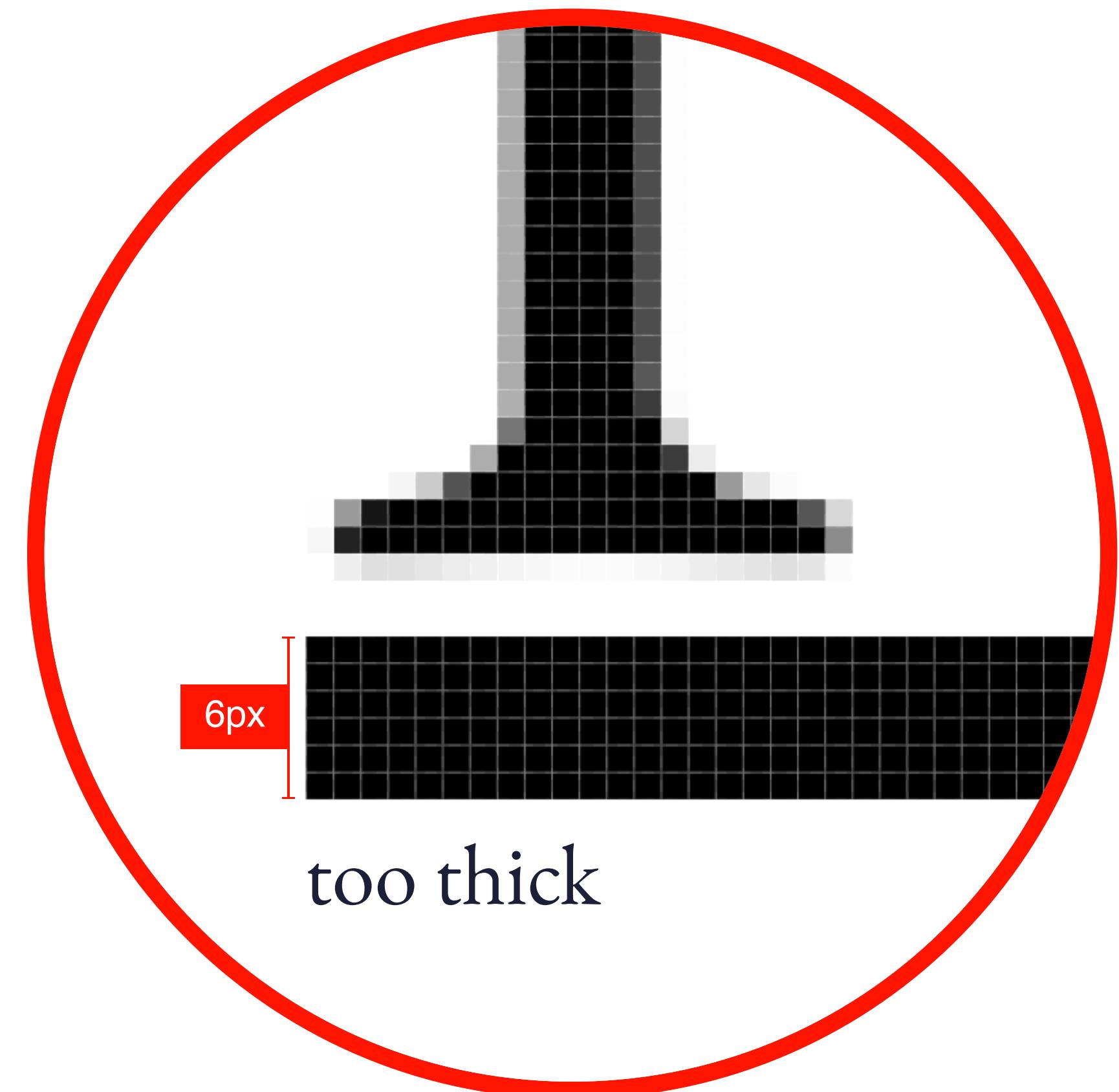
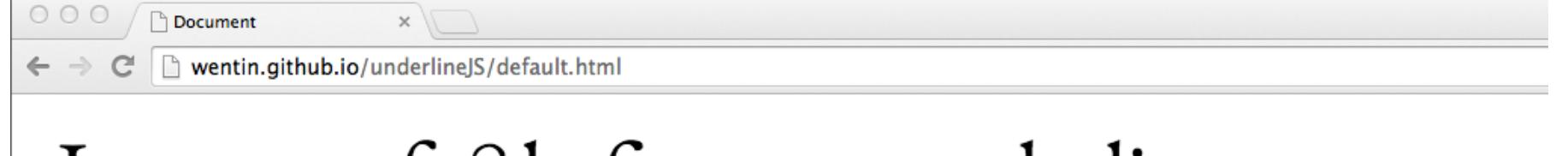
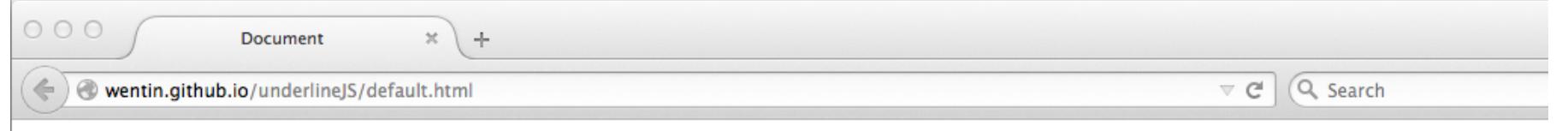
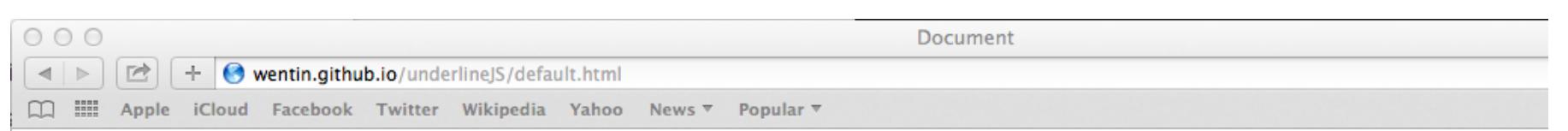
I am a perfectly fine text underline

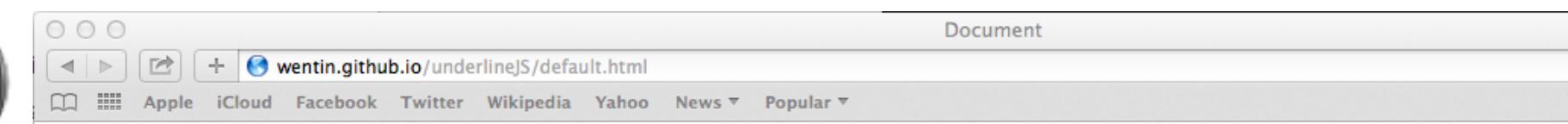


ghost pixel



no ghost pixel





I am a perfectly fine text underline

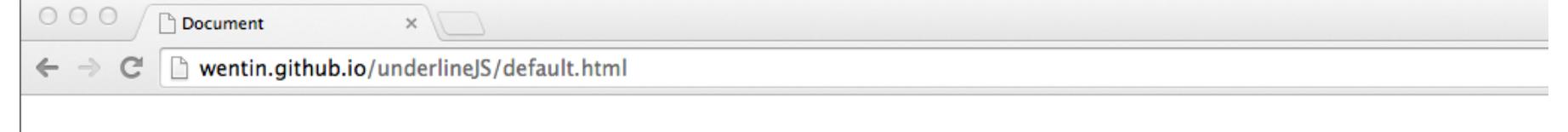
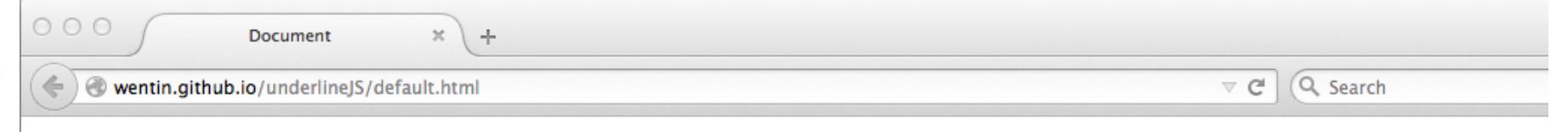
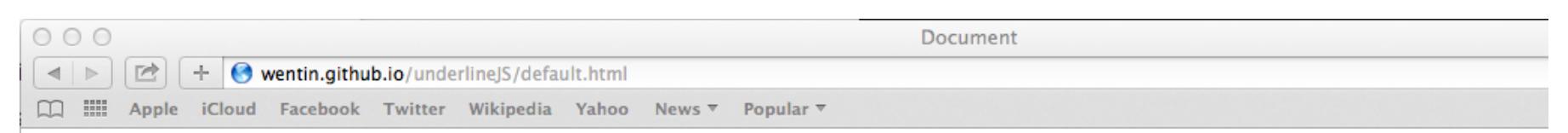


I am a perfectly fine text underline

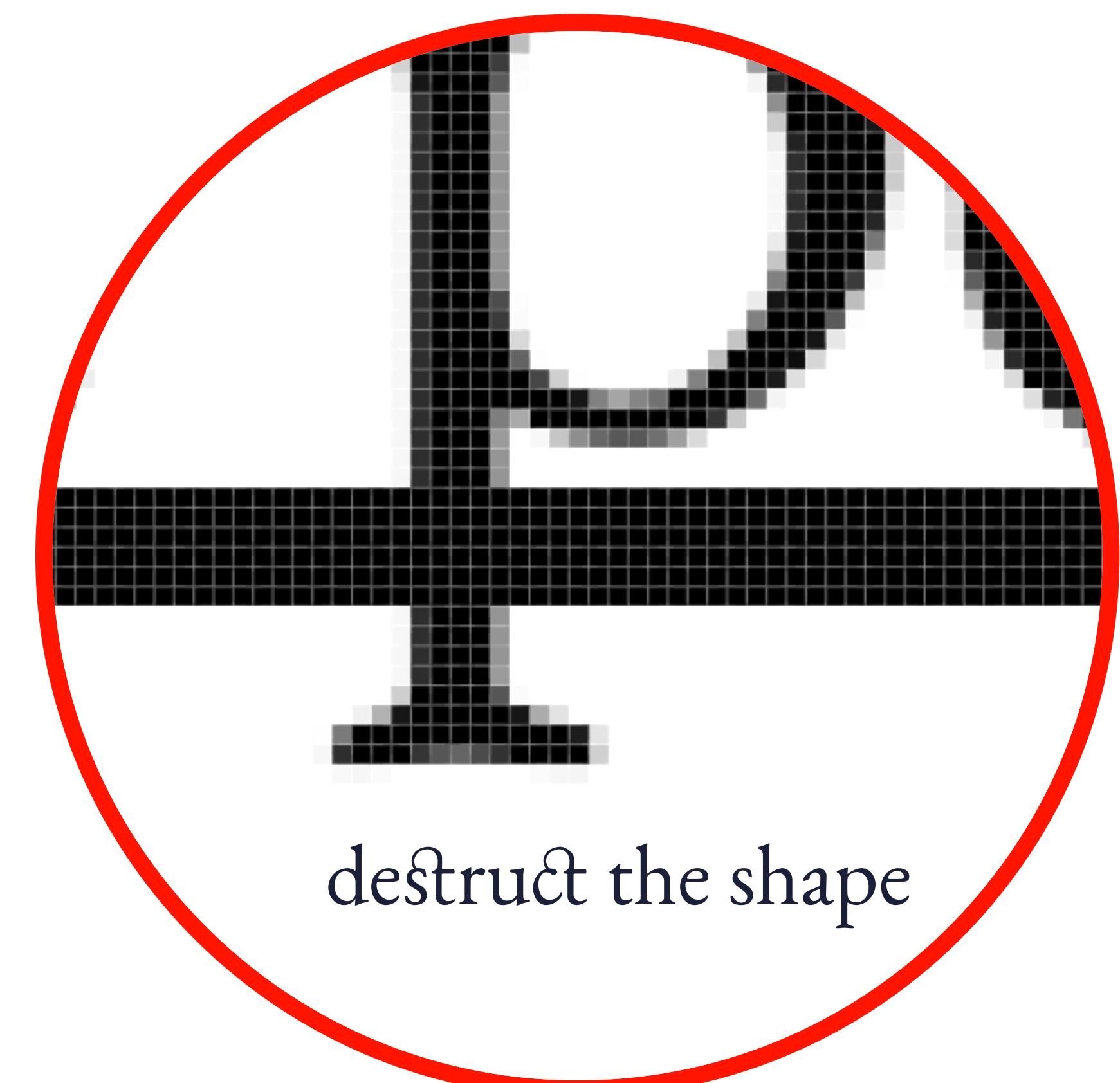
I am a perfectly fine text underline

2px

too close to the text baseline



I am a perfectly fine text underline



destruct the shape

underline.js

.js

underline.js

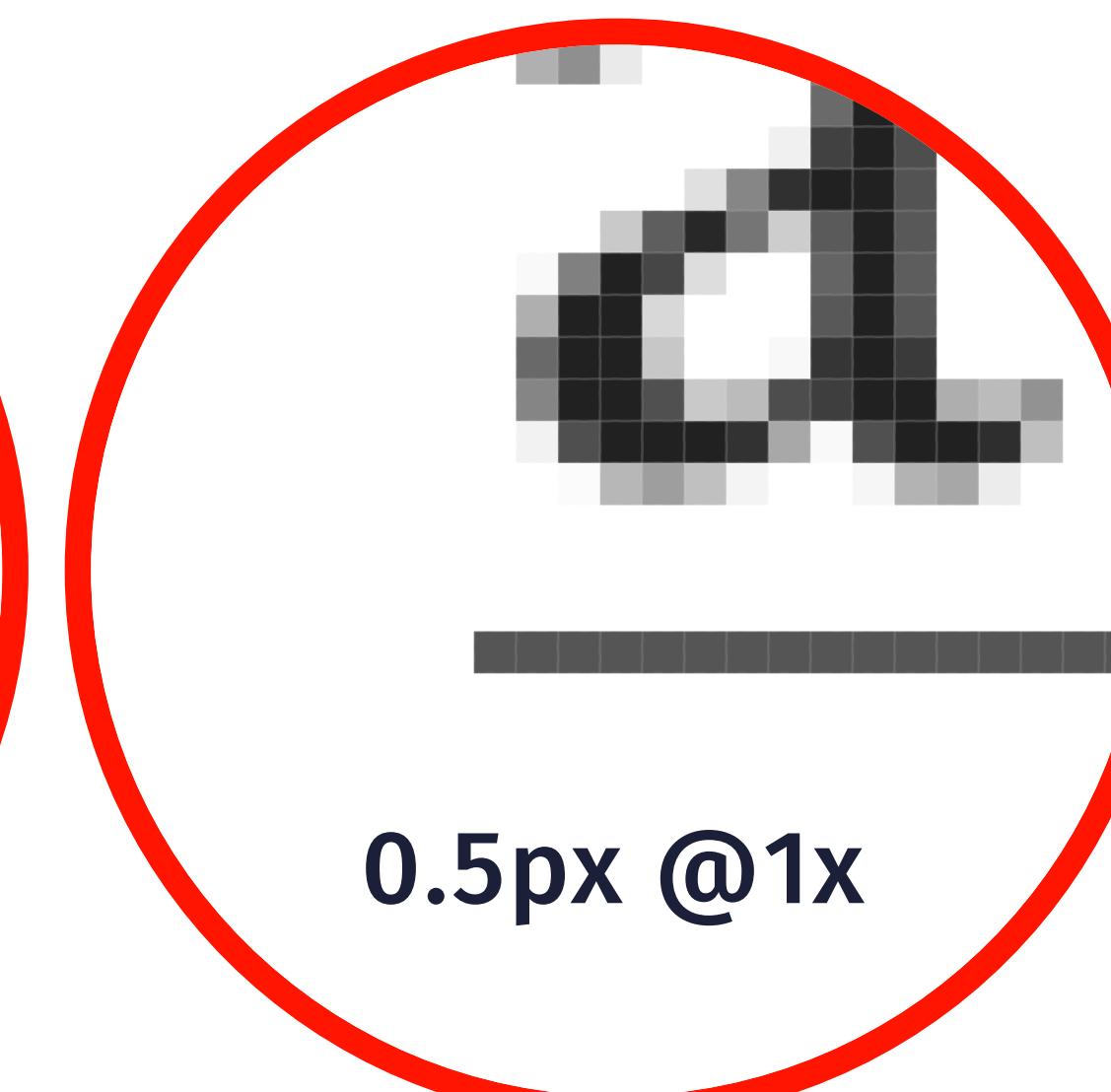
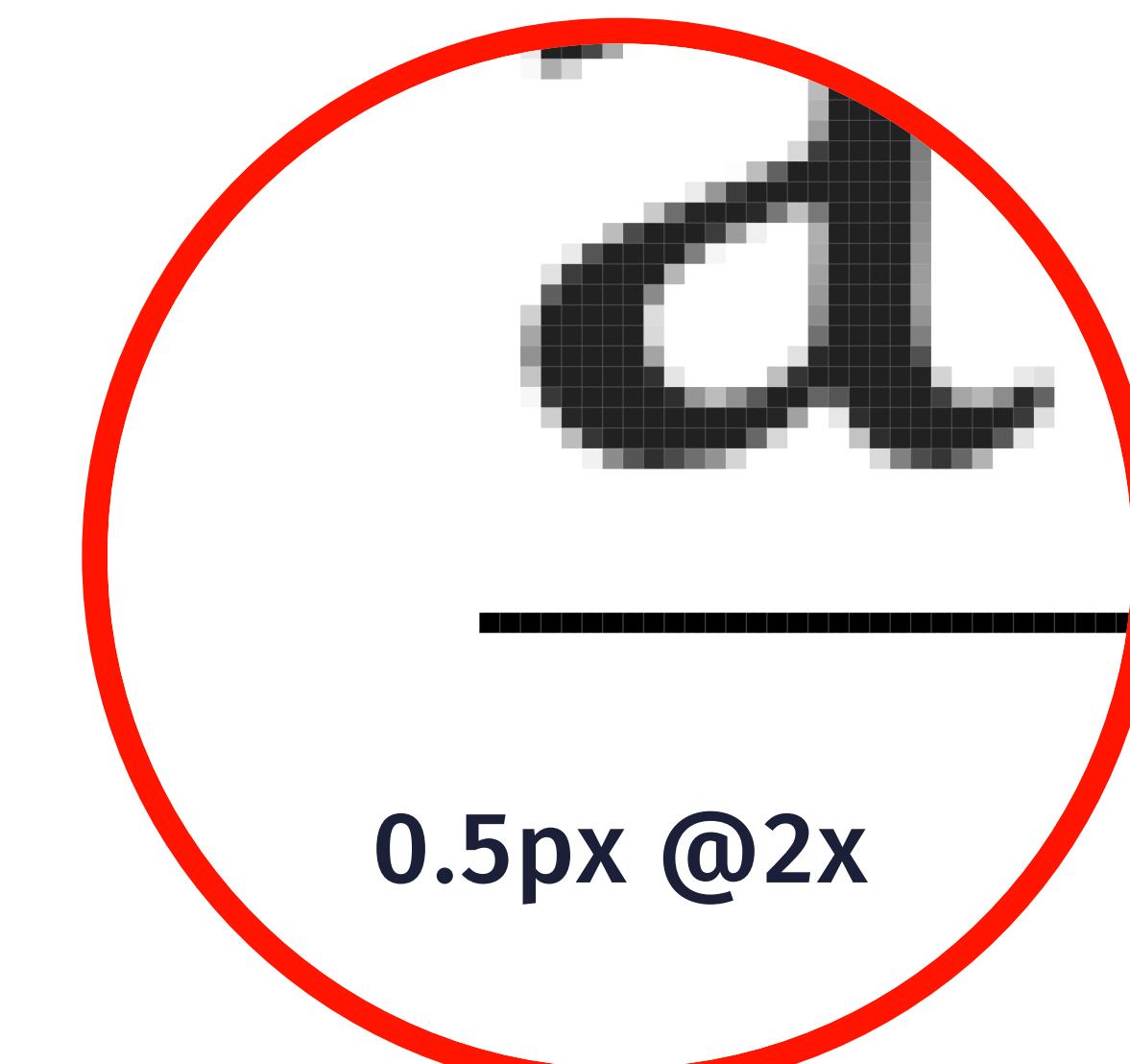
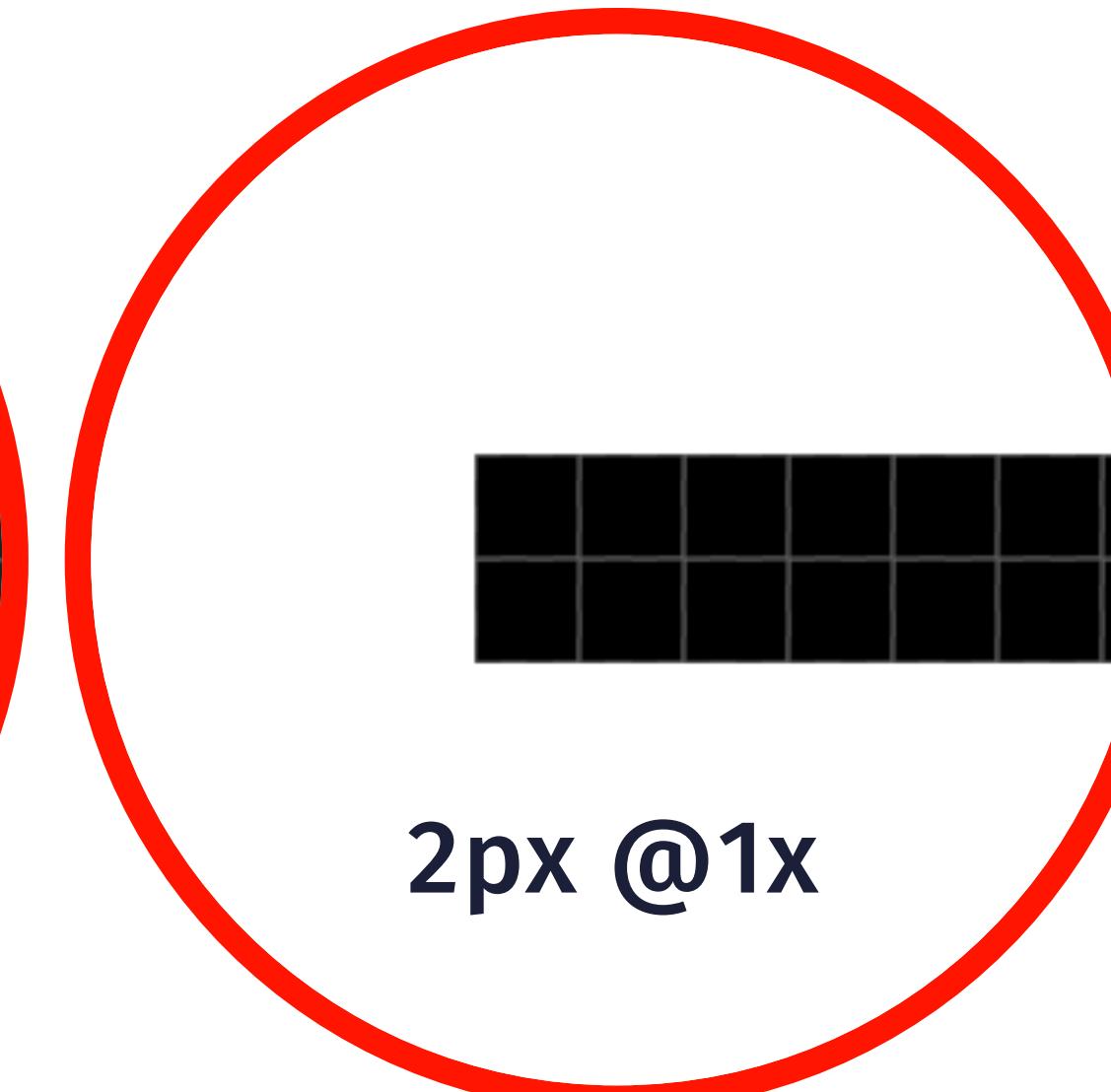
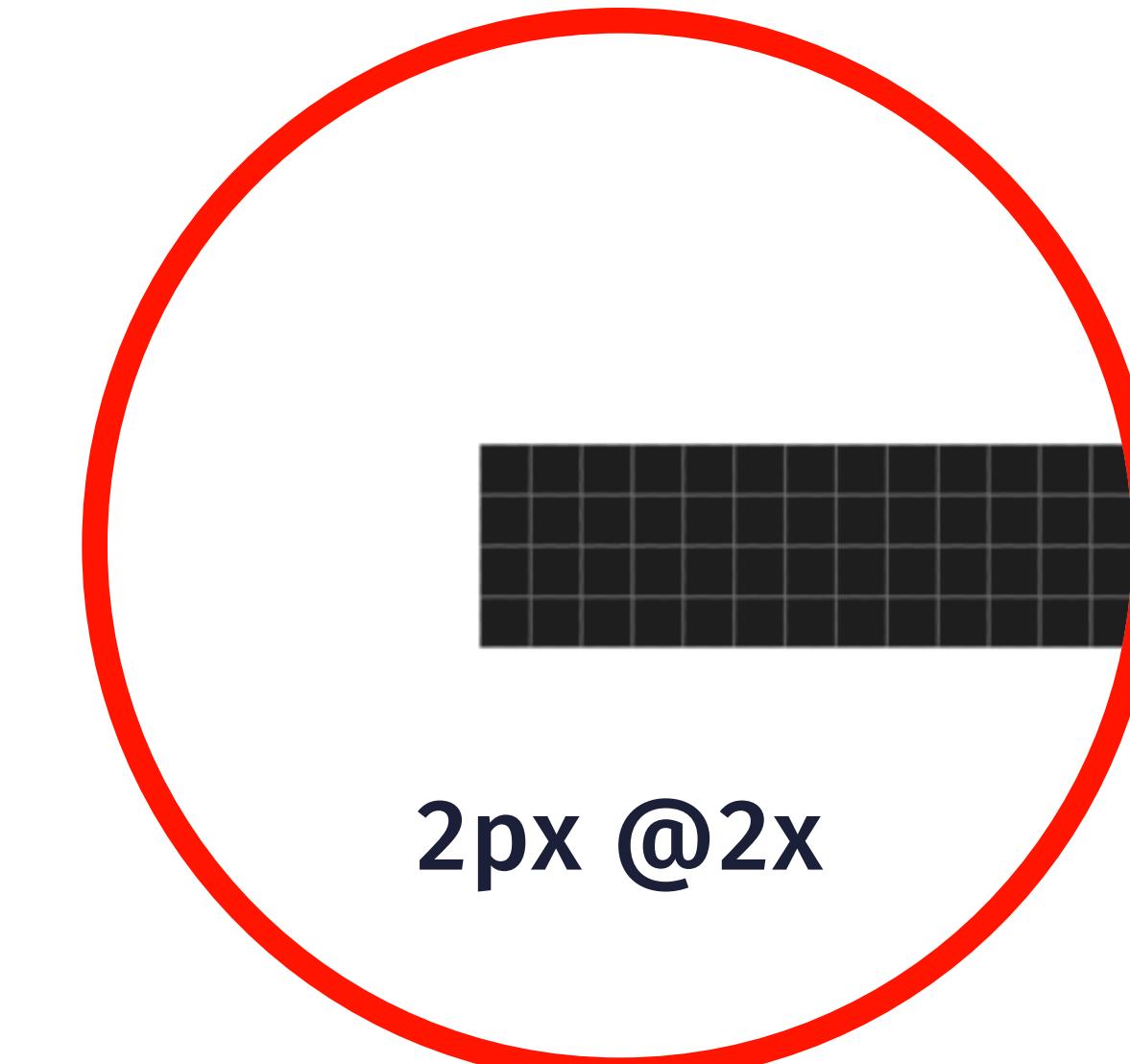


at your gate

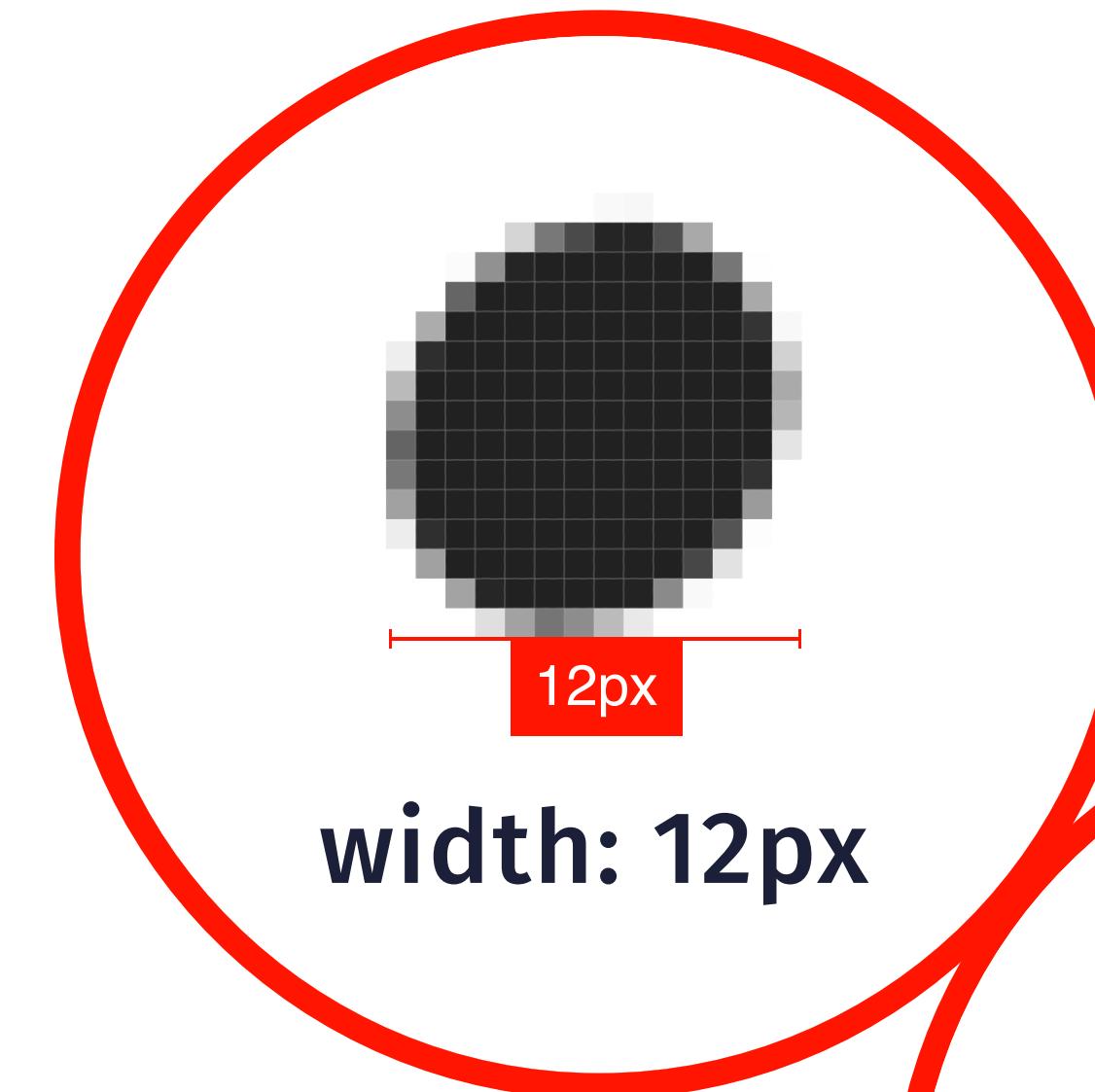


.js

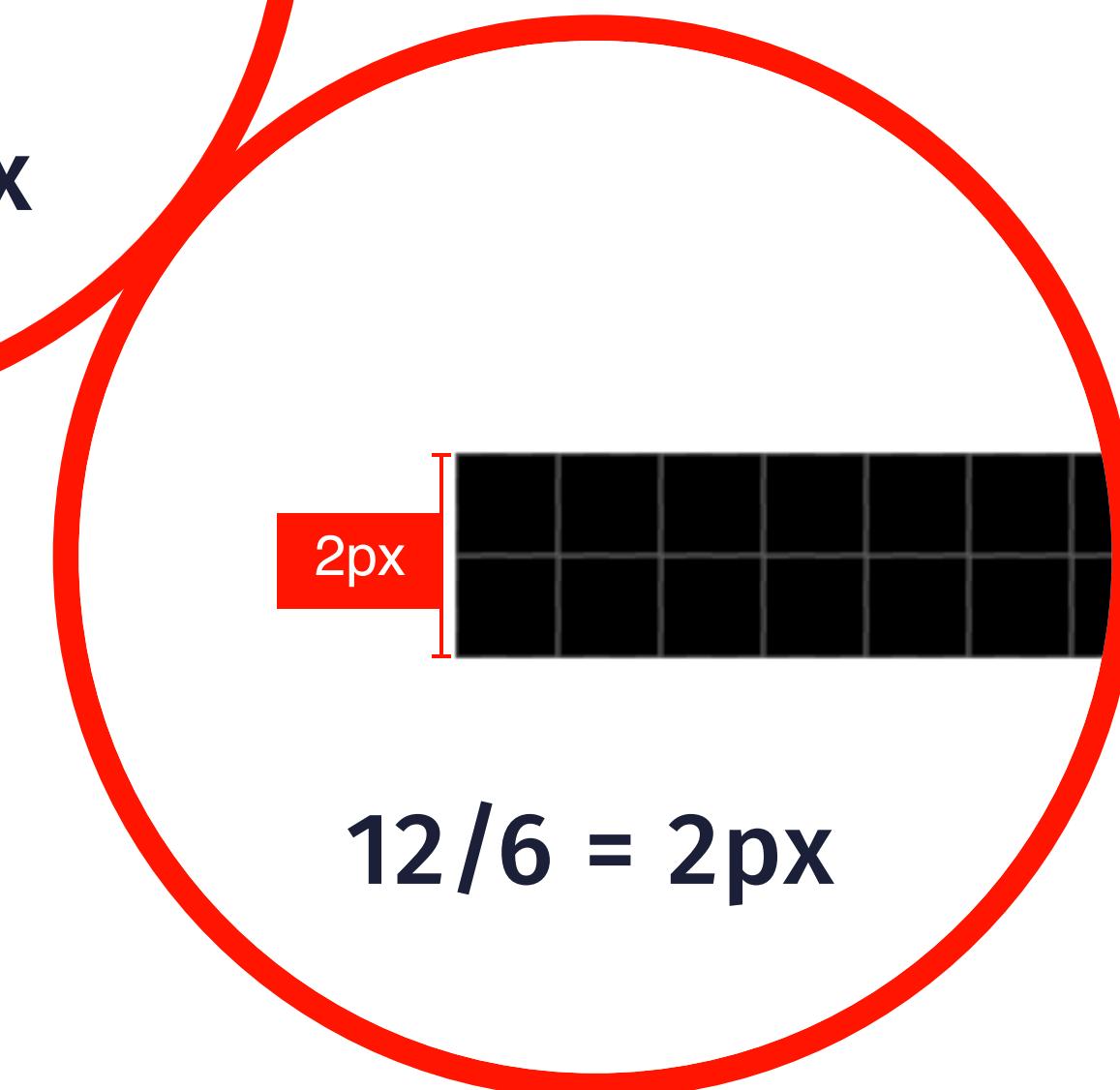
No ghost pixels. Pixel perfect on half pixel level for retina display



underline.js



width: 12px



$12/6 = 2px$

.js

Optimal stroke-width. $1/6$ of width of the period mark



underline.js

0.6180339887

.js

Optimal Y positon is the golden ratio point between the baseline and descender line



.js

Has holes around descenders, completely respect the type's shape

Propose these new css rules to W3C for css4 edition:

```
text-underline-color: #000000;  
// auto means the same color as the text color, or hex value
```

```
text-underline-position: auto;  
// could be ratio or px or auto
```

```
text-underline-skip: true;  
// true to set holes around descenders, false to turn it off
```

```
text-underline-width: auto;  
// could be auto or px or ratio
```

```
text-underline-animation: true  
// true or false, this one is only for underline.js
```

