

A photograph of a man with light-colored hair, wearing aviator goggles and a dark flight suit with "WILLANS" printed on the shoulder patches. He is looking out of the open window of a small aircraft, with a runway and airport buildings visible through the glass.

FONTend Optimization

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**Нет идеального решения для
подключения кастомных шрифтов**



Как бороться с прозрачным текстом



Font Loading API

```
var helveticaNeue = new FontFace('Helvetica Neue',
  'url(/fonts/Helvetica-Nue.woff2)', {
    style: 'normal',
    weight: '400'
}); // FontFace

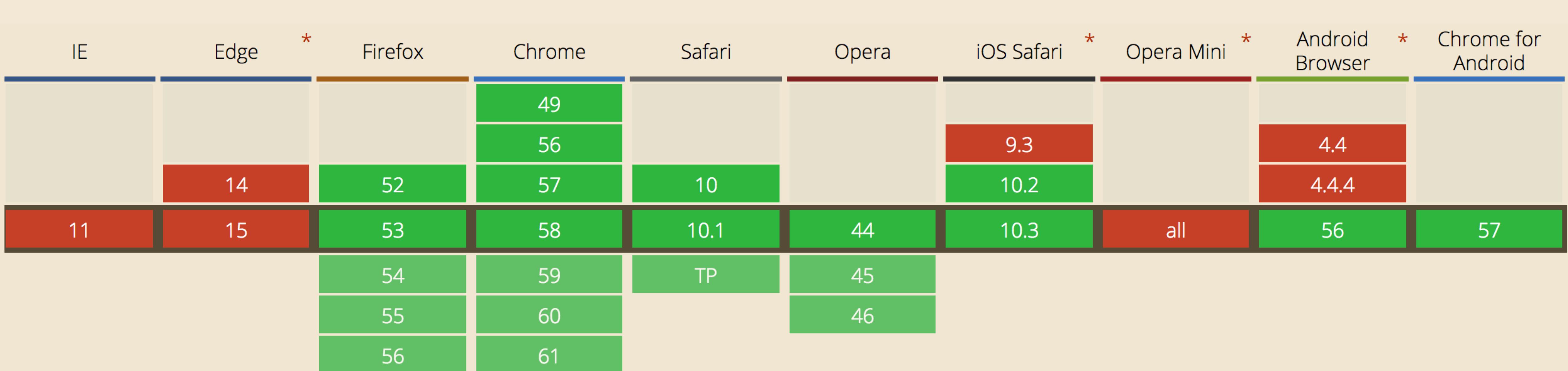
document.fonts.add(helveticaNeue); // FontFaceSet

helveticaNeue.load();

console.log(helveticaNeue.status); // unloaded,
loading, loaded, error
```

```
notoSansRegular.loaded.then((fontFace) => {
  console.log(fontFace.family, 'loaded.');
  // Шрифт готов, можно объявить font-family
}, (fontFace) => {
  // Здесь вы можете обработать ошибку
} );
```

```
document.fonts.ready.then((fontFaceSet) => {
  console.log(document.fonts.size, 'FontFaces
loaded.');
} );
```



Аналогичные библиотеки

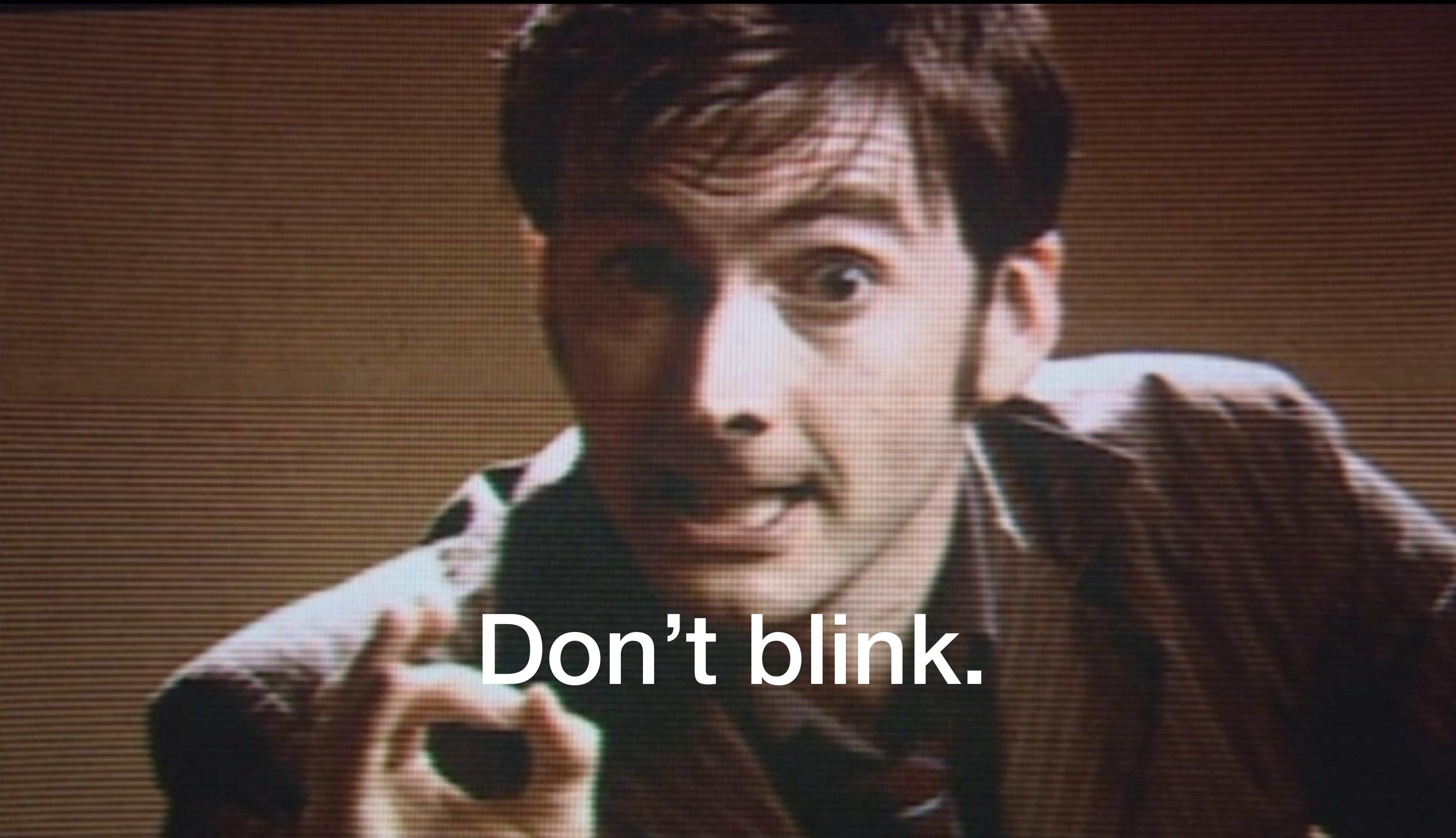
bramstein/fontfaceobserver

typekit/webfontloader

Media Type Invalidation

```
<link rel="stylesheet" href="main.css">
<link rel="stylesheet" href="font.css" media="none"
onload="if(media!='all')media='all'">
```

<http://keithclark.co.uk/articles/loading-css-without-blocking-render/>



Don't blink.

font-display

**период
блокировки**

период замены

block

3 сек

∞

swap

0

∞

fallback

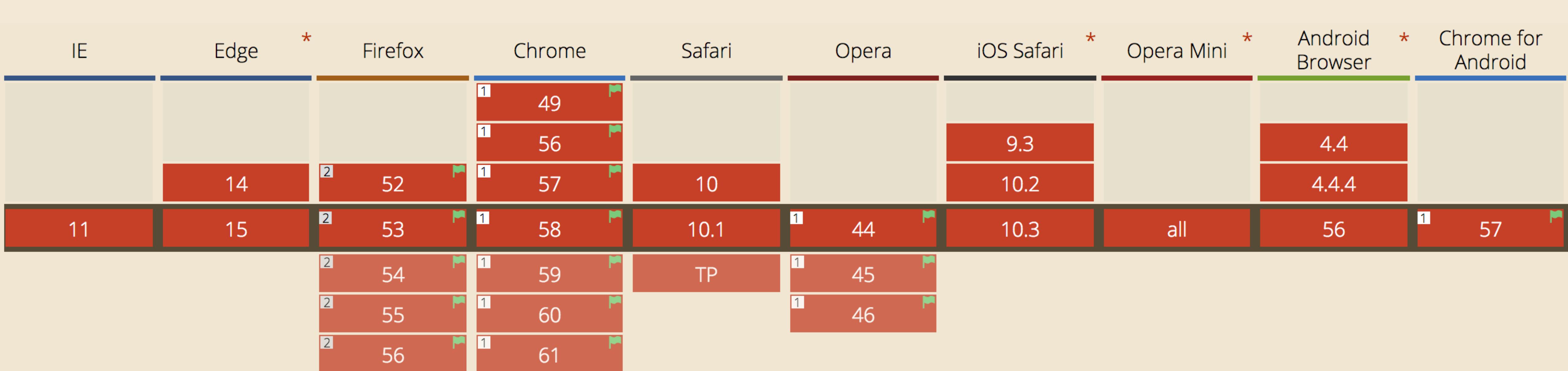
< 100 мс

3 сек

optional

< 100 мс

0





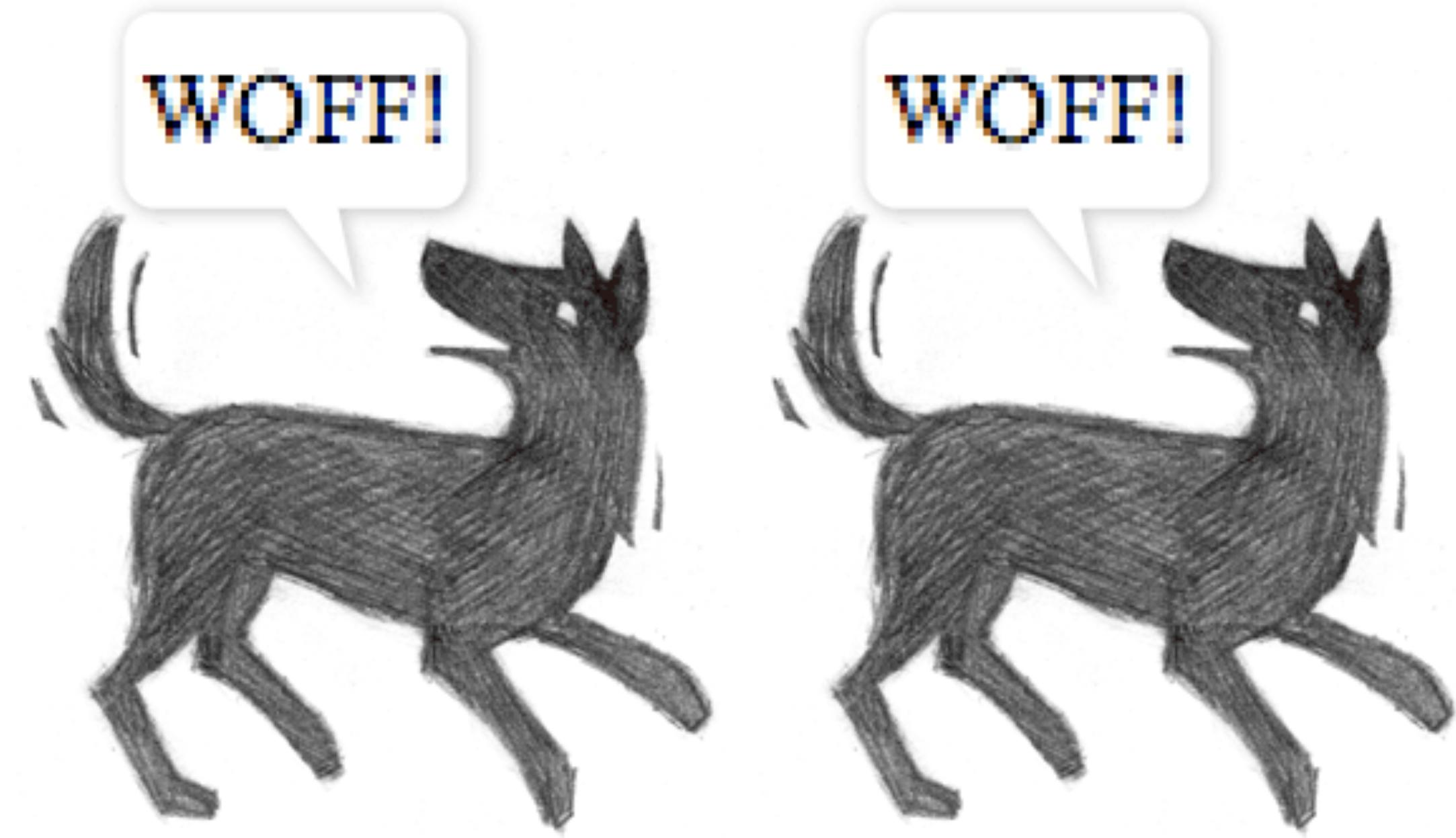
KEEP
CALM
WHAT
ELSE CAN
WE DO

**Сократим список загружаемых
форматов шрифтов**

EOT









Минивыводы

- WOFF - самый универсальный
- Для IE < 9 добавляем EOT

Сжатие

- gzip
- Zopfli



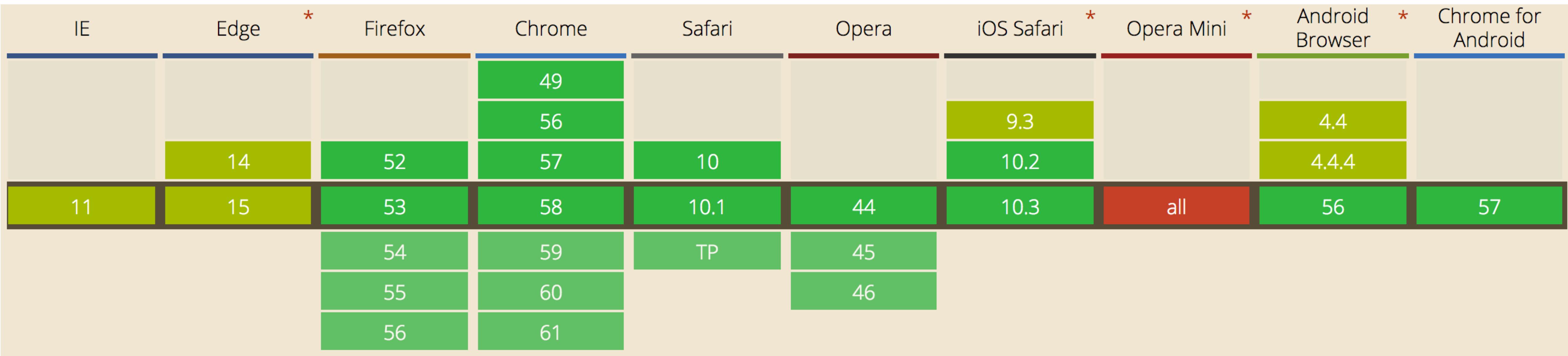
unicode-range

```
unicode-range: U+26; // символ &
```

```
unicode-range: U+0-7F; // базовые  
ASCII символы
```

```
unicode-range: U+4??; // символы  
от U+400 до U+4FF
```

```
unicode-range: U+0-7F, U+4??; //  
можно объединять через запятую
```



NOT BAD

base64

System UI Fonts

The quick brown fox jumps over the lazy dog.

Fira Sans Firefox OS

The quick brown fox jumps over the lazy dog.

Roboto Android and Chrome OS

The quick brown fox jumps over the lazy dog.

San Francisco iOS and Mac OS

The quick brown fox jumps over the lazy dog.

Segoe UI Windows and Windows Phone

font: menu;

caption, icon, menu, message-box, small-caption, status-bar

font-family:

-apple-system, BlinkMacSystemFont,
"Segoe UI", "Roboto", "Oxygen",
"Ubuntu", "Cantarell", "Fira Sans",
"Droid Sans", "Helvetica Neue", sans-serif;



Thank you.

FRONT
WEEKEND

FONTend Optimization

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telegra.ph/fontend-optimization-05-16