

 **INFINUM**

R(EM)

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THE WHAT AND THE WHY

```
.some-component {  
  font-size: 16px;  
  line-height: 19px;  
  padding: 21px;  
}
```

```
@media (min-width: 768px) {  
  .some-component {  
    font-size: 20px;  
    line-height: 24px;  
    padding: 26px;  
  }  
}
```

```
@media (min-width: 1024px) {  
  .some-component {  
    font-size: 24px;  
    line-height: 29px;  
    padding: 31px;  
  }  
}
```

EM

**Dynamic value based on its parents
pixel value**

**em = desired pixel value / inherited
pixel value**

```
body {  
  font-size: 100%; // 16px  
}
```

```
@media (min-width: 768px) {  
  font-size: 125%; // 20px  
}
```

```
@media (min-width: 1024px) {  
  font-size: 150%; // 24px  
}
```

```
.some-component {  
  font-size: 1em;  
  line-height: 1.2em;  
  padding: 1.3em;  
}
```

```
<div class="news">  
  Trumpa nije briga za globalno zatopljenje, vodeću ulogu na tom  
  polju preuzima <a href class="news__link">Kina</a>  
</div>
```

```
body {  
  font-size: 62,5%; // 10px  
}
```

```
.news {  
  font-size: 1.5em; // 15px  
  max-width: 20em;  
}
```

```
.news__link {  
  font-size: 1.5em;  
}
```

Trumpa nije briga za globalno zatopljenje, vodeću ulogu na tom polju preuzima [Kina](#)

COMPOUNDING

REM

Root ems

**rem = desired pixel value / root pixel
value**

```
<div class="news">  
  Trumpa nije briga za globalno zatopljenje, vodeću ulogu na tom  
  polju preuzima <a href class="news__link">Kina</a>  
</div>
```

```
html {  
  font-size: 62.5%; // 10px  
}  
  
.news {  
  font-size: 1.5rem; // 15px;  
  max-width: 20rem;  
}  
  
.news__link {  
  font-size: 1.5rem; // 15px  
}
```

Trumpa nije briga za globalno zatopljenje,
vodecu ulogu na tom polju preuzima [Kina](#)

WHAT ARE THEY GOOD FOR?

I'm a header

```
.header {  
  font-size: 1rem; // 16px  
  padding: 0.5rem 0.75rem; // 8px 12px  
  background: #F9F9F9;  
}
```

I'm a header

```
.header {  
  font-size: 1rem; // 16px  
  padding: 0.5rem 0.75rem; // 8px 12px  
  background: #F9F9F9;  
}
```

```
.header--large {  
  font-size: 2rem; // 32px;  
}
```


I'm a header

```
.header {  
  font-size: 1rem; // 16px  
  padding: 0.5rem 0.75rem; // 8px 12px  
  background: #F9F9F9;  
}
```

```
.header--large {  
  padding: 1rem 1.5rem; // 16px 24px  
  font-size: 2rem; // 32px  
}
```

I'm a header

```
.header {  
  font-size: 1rem; // 16px  
  padding: 0.5em 0.75em;  
  background: #F9F9F9;  
}
```

```
.header--large {  
  font-size: 2rem; // 32px  
}
```

REM – For any scaling dependent on the browser's root font size

EM – For scalability within the context of a specific component

CANIUSE?

EM – *yes, yes you can*

REM

[illegible]

| | | | | |
|--|----|----|----|----|
| | 50 | 55 | TP | 42 |
| | 51 | 56 | | 43 |
| | 52 | 57 | | |

FUNCTIONS AND STUFF

```
$browser-context: 16; // Default
```

```
@function em($pixels, $context: $browser-context) {  
  @return #{ $pixels / $context }em;  
}
```

```
font-size: em(13);
```



```
$root-font-size: 16px;
```

```
@function calculateRem($size) {  
  $remSize: $size / $root-font-size;  
  @return #{ $remSize }rem;  
}
```

```
@mixin fontSize($size) {  
  font-size: $size; // Fallback in px  
  font-size: calculateRem($size);  
}
```

```
@include fontSize(20px);
```

CONCLUSION



Thank you!

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