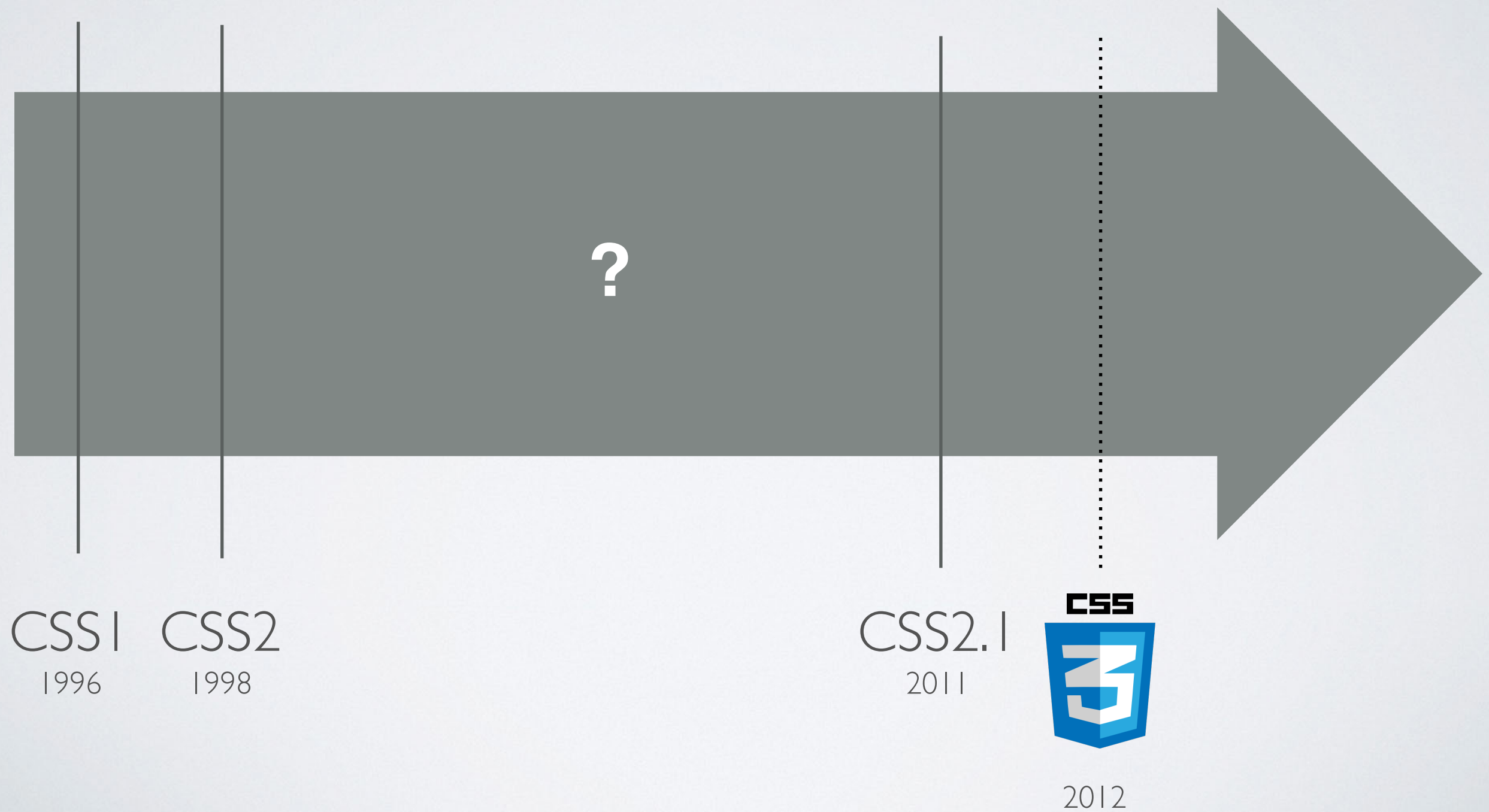


CSS3

FRONT-END DEVELOPMENT






ÉVOLUTIONS

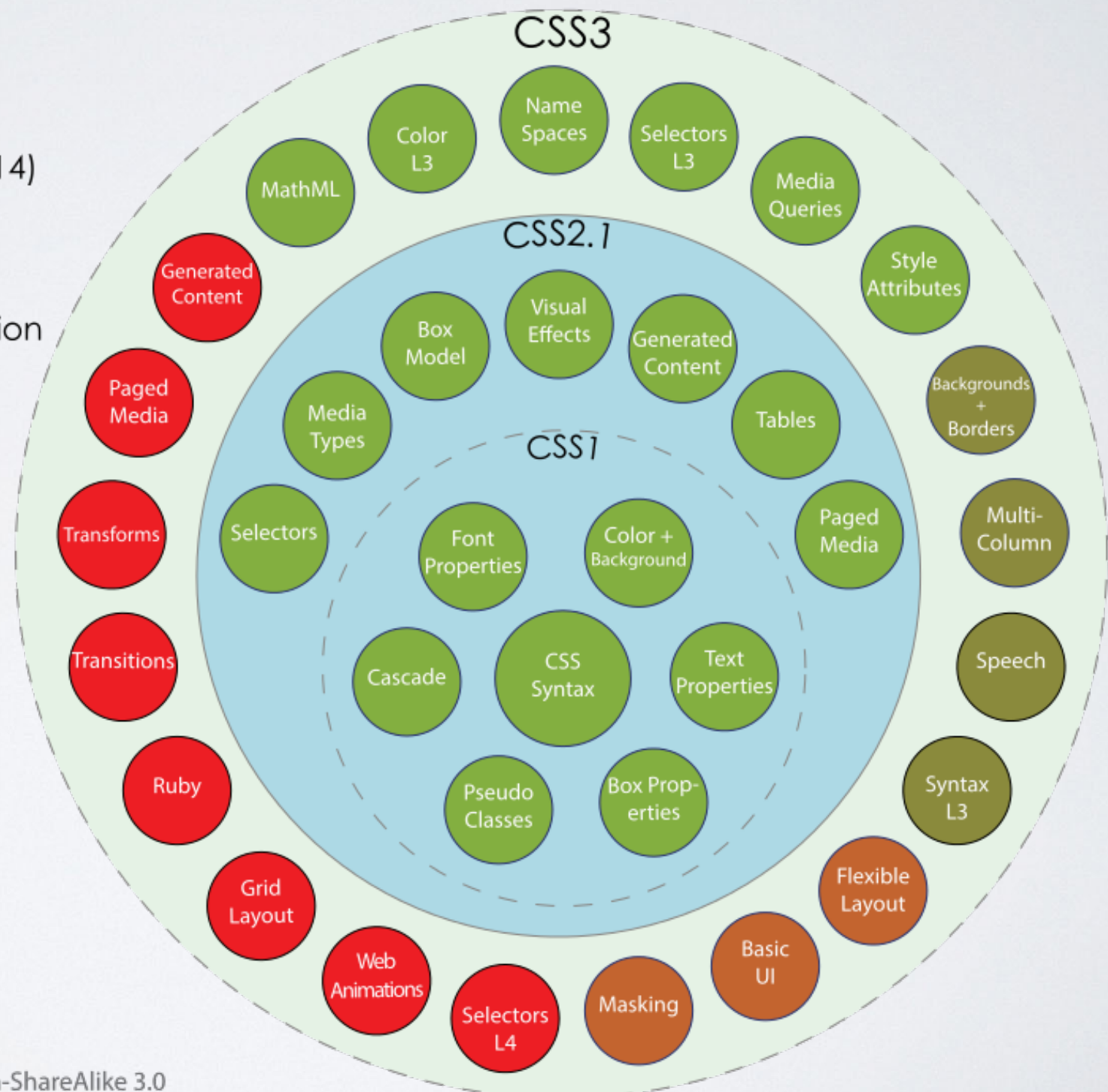


AVANCEMENT

CSS3

Taxonomy & Status (October 2014)

-  W3C Recommendation
-  Candidate Recommendation
-  Last Call
-  Working Draft
-  Obsolete or inactive



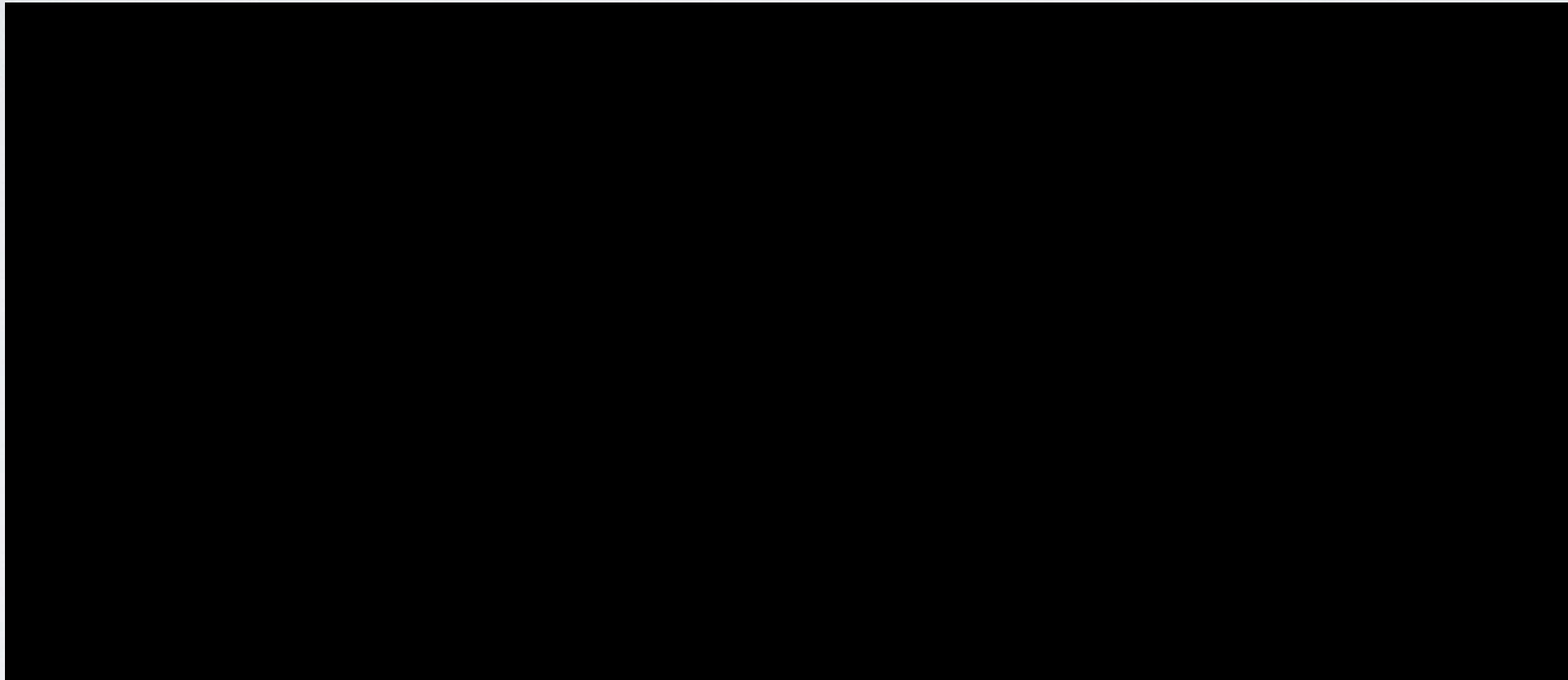
APERÇU CSS3

- Border radius
- Box shadow, text shadow
- Gradients, Color, Opacity
- Multiple backgrounds
- Font face
- Transformations (2D / 3D)
- Transitions
- Animations

CSS



NOUVELLES POSSIBILITÉS



PSEUDO CLASSES

```
p:first-letter{
  background-color: #666;
}

p:first-line{
  font-size: 18px;
}

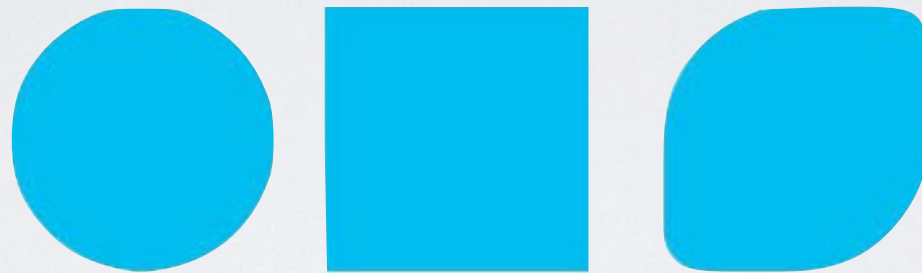
.elem:first-child,
.elem:last-child{
  background-color:#948bd8;
}

.elem:nth-child(odd){
  border-radius:50%;
}

.elem:nth-child(6){
  background-color:#cb6364;
}

.elem[data-foo=bar1]{
  background-color:#aaa;
}
```

BORDER-RADIUS



```
boder-radius : 15px 6px 15px 6px;
```

```
border-radius : 50%
```


BOX-SHADOW

```
box-shadow: (inset) décalage-x décalage-y flou gras couleur
```

```
box-shadow: 0 0 40px #999999;
```



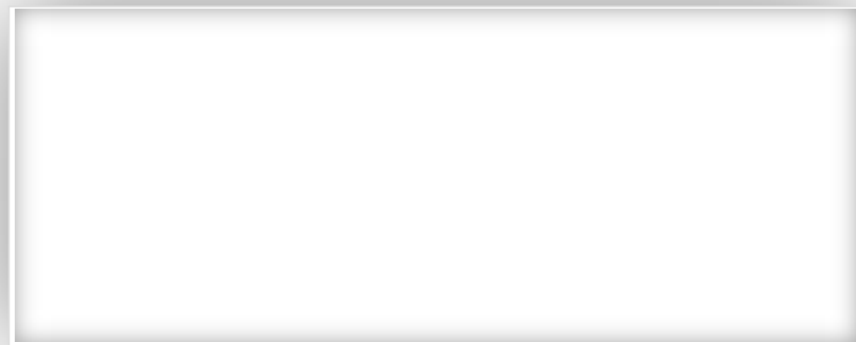
BOX-SHADOW

```
box-shadow: inset 0 0 20px 0 #999999;
```



BOX-SHADOW

```
box-shadow: inset 0 0 20px 0 #999999, 0 0 40px #999999;;
```



TENDANCES DESIGN

Flat

vs

Skeuomorphism

TENDANCES DESIGN



TEXT-SHADOW

```
text-shadow: 3px 3px 21px black;
```

TANTO

SHOP

Search

Login

CART (0)

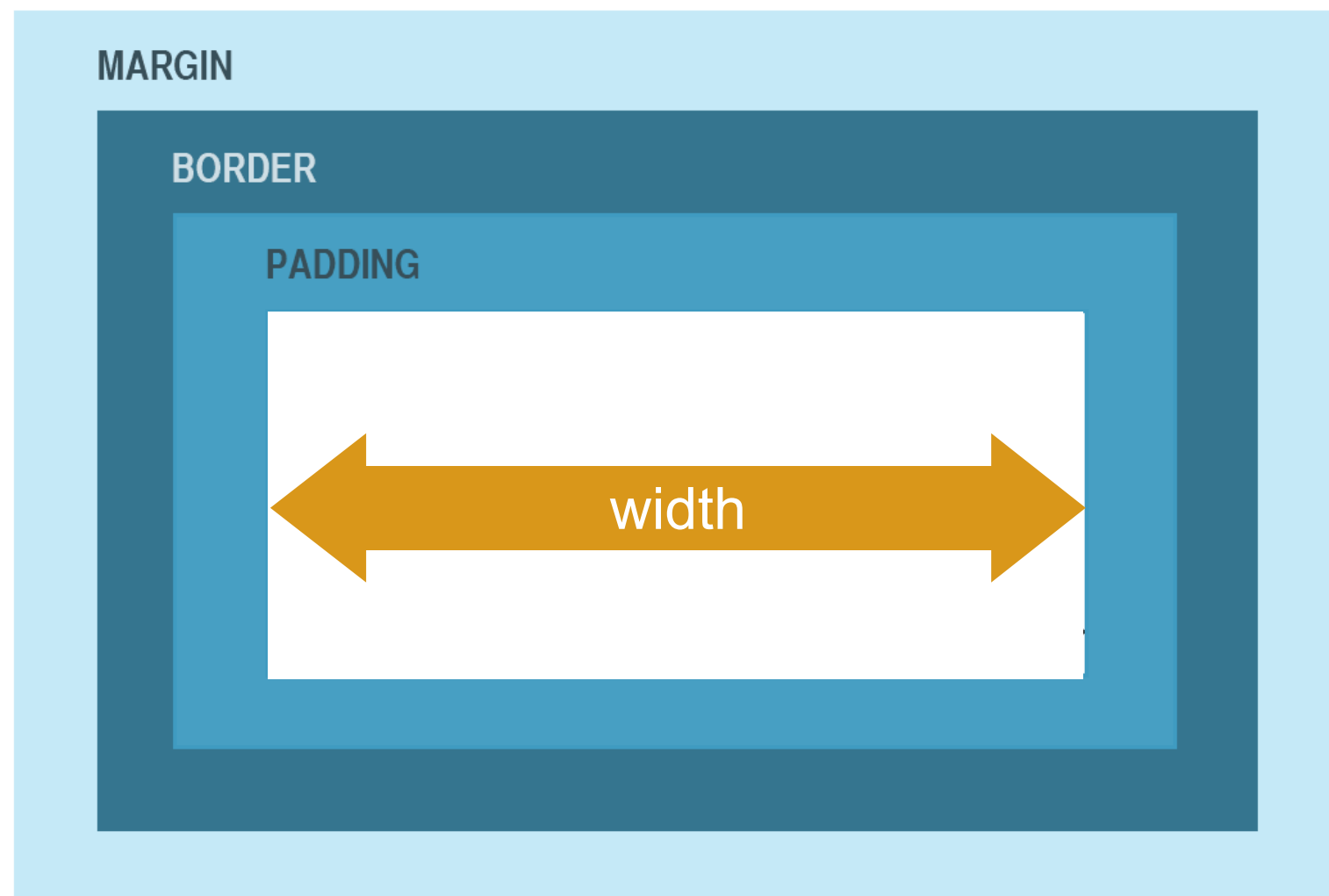
TANTO FURNITURE

Our aim is to give homes and offices minimal and functional furniture.
We spend more than half of our day indoors.

Shop our Collection

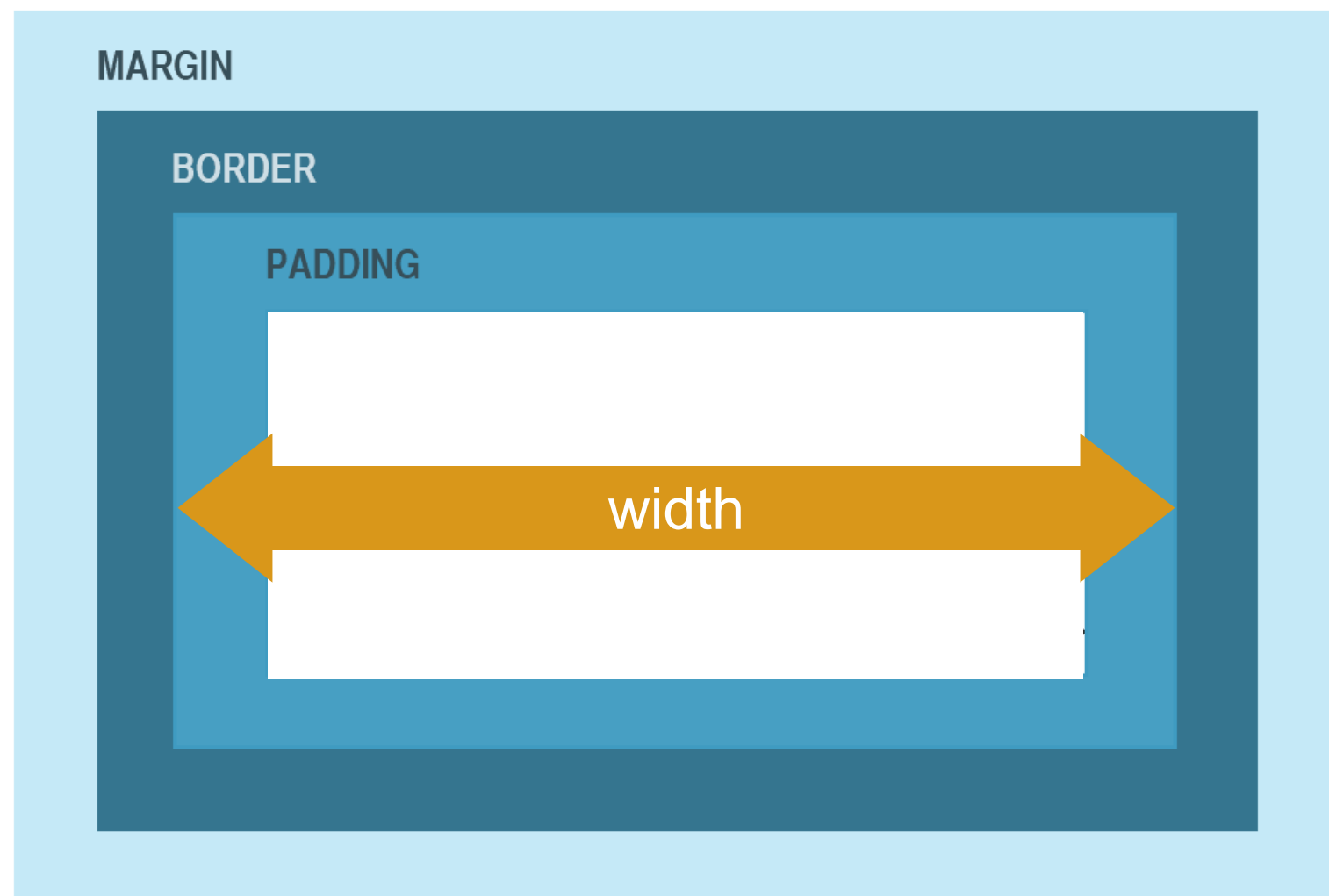
BOX SIZING

```
div.content {  
  width: 200px;  
  box-sizing: content-box; (par défaut)  
}
```



BOX SIZING

```
div.content {  
  width: 200px;  
  box-sizing: padding-box;  
}
```



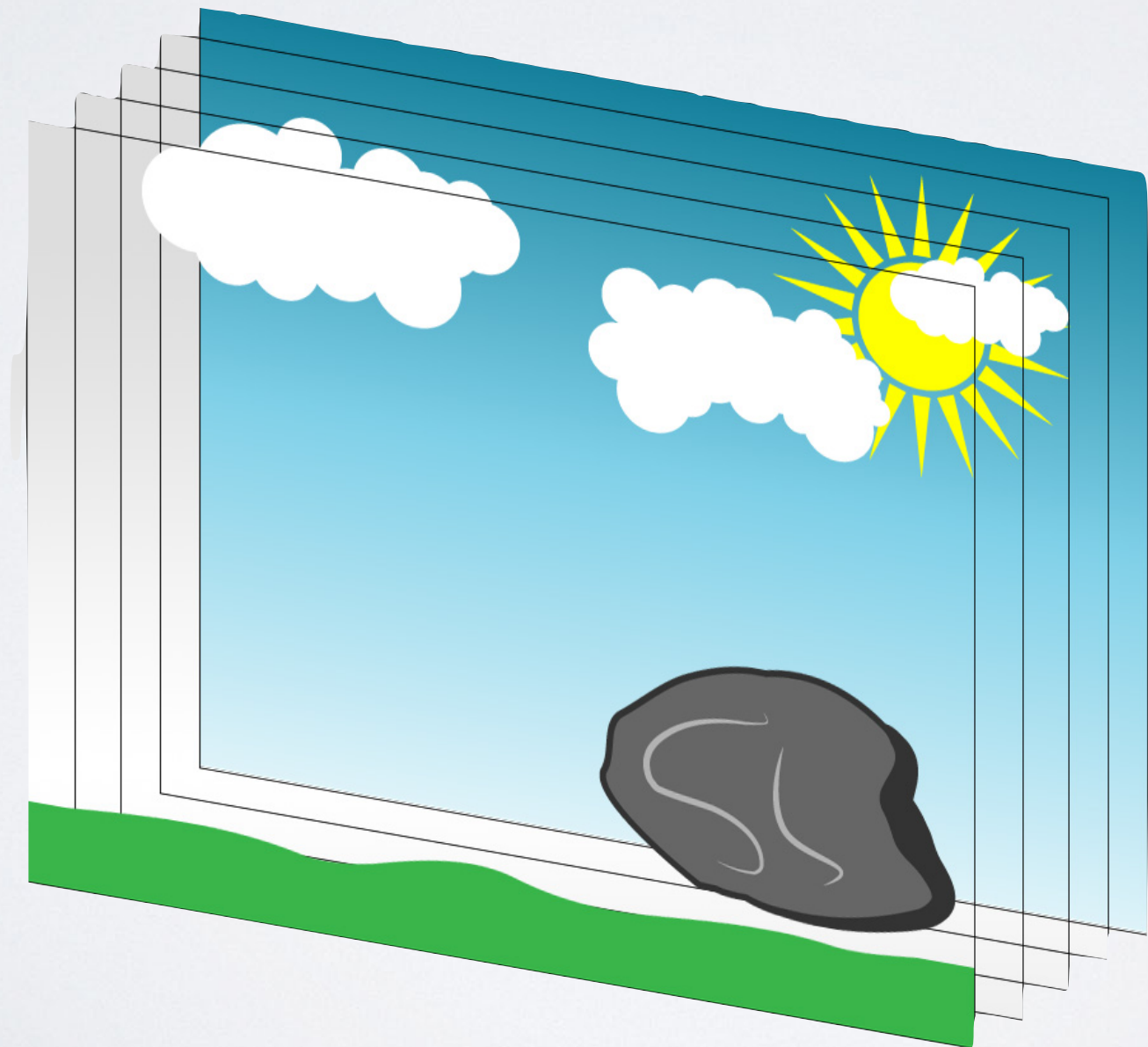
BOX SIZING

```
div.content {  
  width: 200px;  
  box-sizing: border-box;  
}
```



MULTIPLE BACKGROUND

```
div.content {  
  background-image: url(bg1.png) top left no-repeat, url(bg2.png) bottom right  
  no-repeat;  
}
```



OPACITY

```
figcaption { opacity: 0.45; }
```

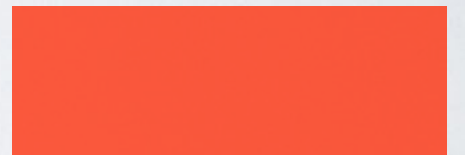


L'Irak les avait rapprochés, l'Irak les sépare. Le secrétaire à la défense américain, Chuck Hagel, 68 ans, a présenté lundi matin 24 novembre sa démission au président Barack Obama, à la demande de ce dernier, selon le *New York Times* qui a été le premier à l'annoncer. Selon le quotidien, des divergences sur la stratégie américaine dans le combat contre l'Etat islamique (EI) pourraient expliquer ce départ.

COLOR

- Support de nouveaux formats
 - RGBa => Red / Green / Blue + Opacité (alpha)

```
.content { background-color: rgba(255, 0, 0, 0.75); }
```



- HSLa : Hue / Saturation / Lightness + Opacité (alpha)

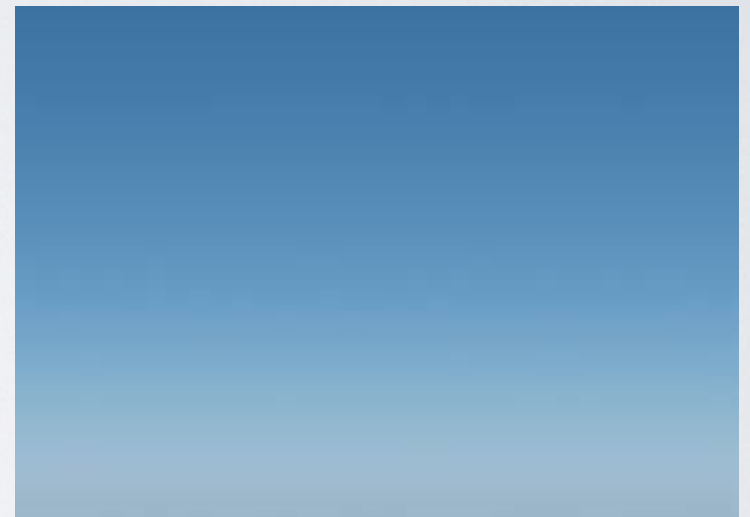
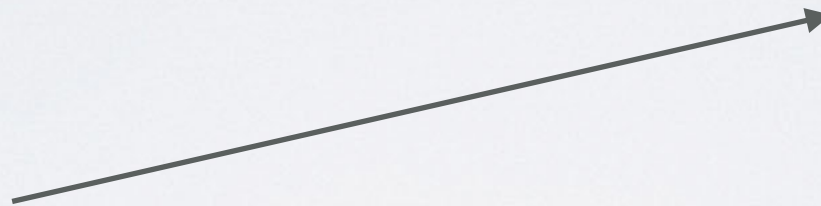
```
.content { background-color: hsla(234, 100%, 100%, 0.75) }
```



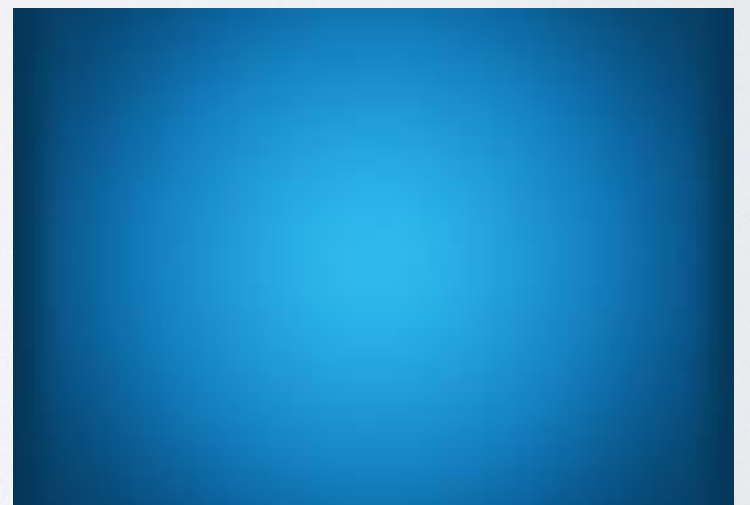
GRADIENTS

- 2 types :

- Linéaire



- Radial



LINEAR GRADIENT

```
.content {  
  background: linear-gradient(to bottom, red, yellow);  
}
```

- Utilisé avec la propriété background
- Syntaxe :
 - Point de départ / Point d'arrivée / Liste de couleurs

RADIAL GRADIENT

```
.content {  
  background: radial-gradient(aqua, blue);  
  /* radial-gradient(shape size at position, first color, last color) */  
}
```

- On peut définir 3 éléments :
 - Le centre
 - La forme
 - Les couleurs

POLICES & INTERACTIONS

CSS 3

FONT-FACE

- On peut désormais ajouter nos propres polices avec :

```
@font-face {  
  font-family: 'OpenSansRegular';  
  src: url('OpenSansRegular-webfont.ttf');  
  font-style: normal;  
  font-weight: normal;  
}
```


FONT-FACE

- Gestion des différents styles (italique / gras) :

```
@font-face {  
  font-family: 'OpenSans';  
  src: url('OpenSansBold-webfont.eot');  
  font-style: normal;  
  font-weight: bold;  
}  
  
h1 {  
  font-family: 'OpenSans'  
  font-weight: bold;  
}
```

TRANSFORM

- Effets disponibles :
 - Translate
 - Rotate
 - Scale
 - Skew

TRANSFORM : TRANSLATE

```
.element {  
  transform: translate(20px, 30px);  
}
```



TRANSFORM : TRANSLATE

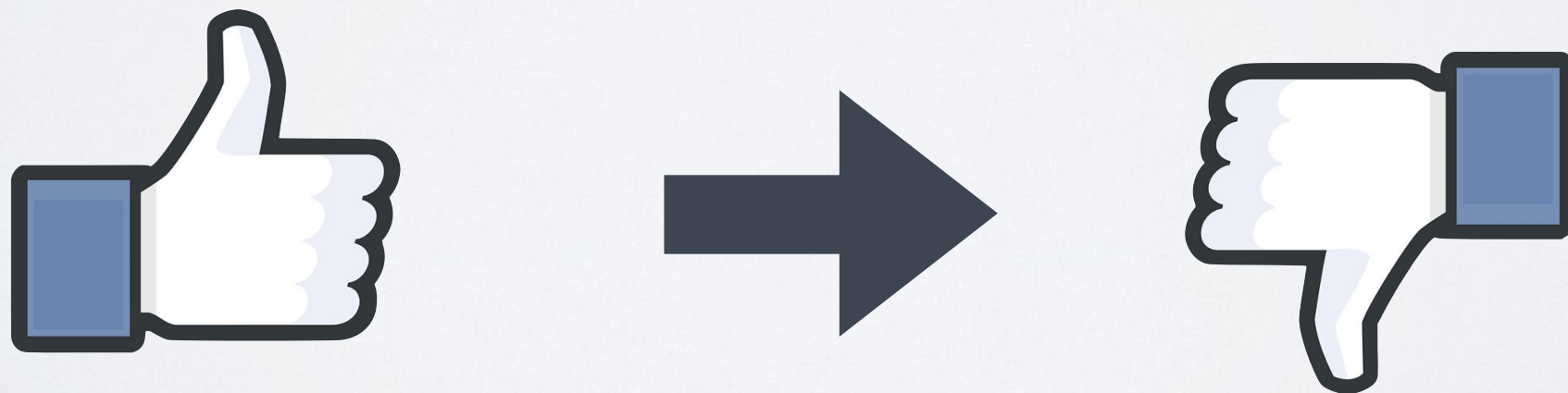
```
.element {  
  transform: translate(20px, 30px);  
}
```



TRANSFORM : ROTATE

- Rotation d'un élément dans le sens des aiguilles d'une montre autour de son origine

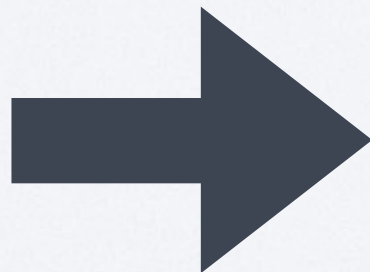
```
.like {  
  transform: rotate(180deg);  
}
```



TRANSFORM : SCALE

- Rendre un élément 2 fois plus gros :

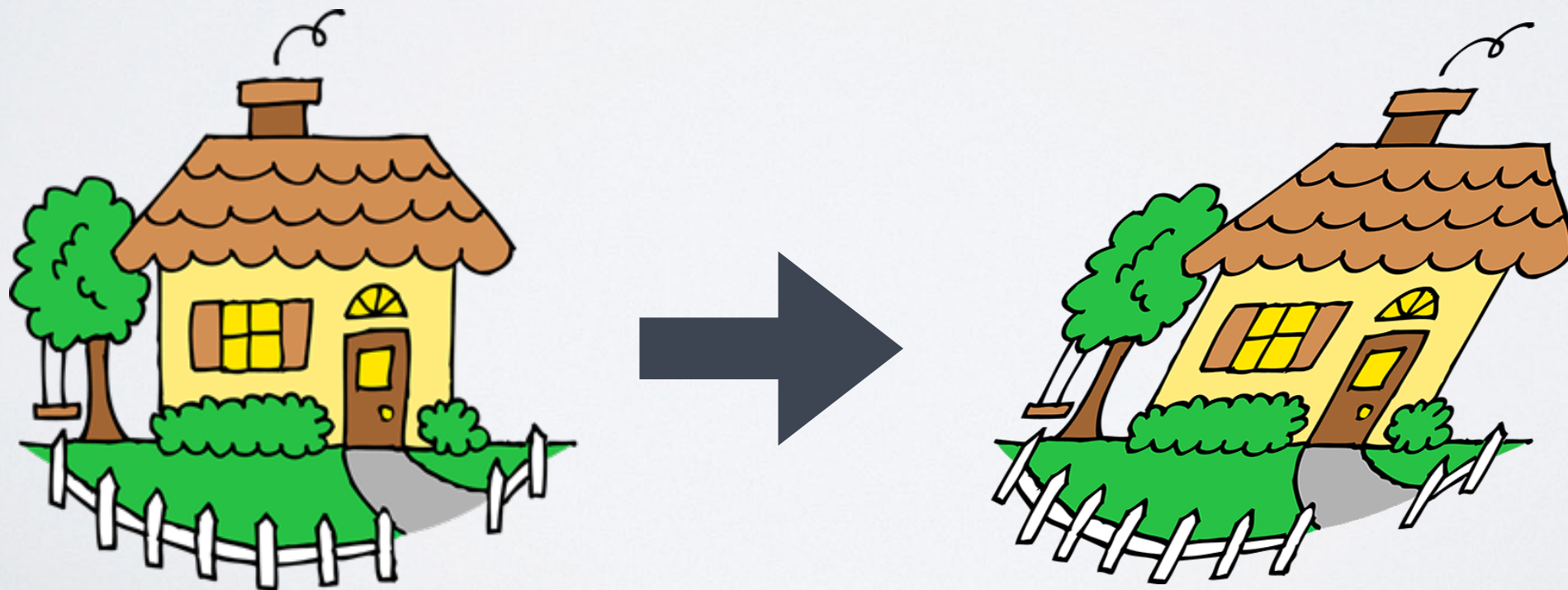
```
.big-mac {  
  transform: scale(2);  
}
```



TRANSFORM : SKEW

- Incliner un élément d'un certain angle

```
.house {  
  transform: skewX(25deg);  
  transform: skewY(-85deg);  
}
```



TRANSITIONS

CSS 3

TRANSITIONS

- Anime les transitions entre 2 états

```
.a.link {  
  background-color: red;  
  transition: background-color 0.2s ease-in-out;  
}  
  
.a.link:hover {  
  background-color: blue;  
}
```

TRANSITIONS

- Syntaxe :
 - transition: propriété / durée / timing-function /délais avant démarrage
- Liste des « timing-function » :
 - ease
 - ease-in
 - ease-in-out
 - linear
 - cubic-bezier
 - step-start
 - step-end

TP

- Intégrer le design ci-dessous en CSS3
- Code HTML5 & design disponibles en téléchargement : <https://github.com/kiliweb/frontend>



Luke Chesser

BROWSE

- Heavy Rotation
- Recent Activity
- Top Charts
- New Releases

YOUR MUSIC

- Collection
- History



Luke Chesser

Montreal, Quebec, Canada

2 Playlists 4 Reviews 6 Followers 13 Following

Collection History

Top Albums

Start Station



Native (Deluxe)
OneRepublic
17 songs



Wax Wings
Joshua Radin
11 songs



Modern Vampires of the City
Vampire Weekend
12 songs



Night Visions
Imagine Dragons
11 songs



Trouble Will Find Me
The National
13 songs **EXPLICIT**

