

Flexbox



Cyrille Le Menestrel

Christophe Ulmer

C'est quoi ?

- Un **module** de mise en forme **uni-directionnel**
- Statut « candidate recommandation »
- Son propre flux (flex flow)
- Impact un conteneur et ses enfants **directs**

Un module bien supporté

CSS Flexible Box Layout Module - CR

Method of positioning elements in horizontal or vertical stacks.

Support includes all properties prefixed with `flex`, as well as

`display: flex`, `display: inline-flex`, `align-content`, `align-items`, `align-self`, `justify-content` and `order`.

Usage	% of	all users
France	94.53%	+ 2.51% = 97.04%
unprefixed:	94.21%	+ 1.94% = 96.14%
Global	93.84%	+ 3.47% = 97.32%
unprefixed:	93.57%	+ 2.75% = 96.32%

Current aligned Usage relative Date relative Show all

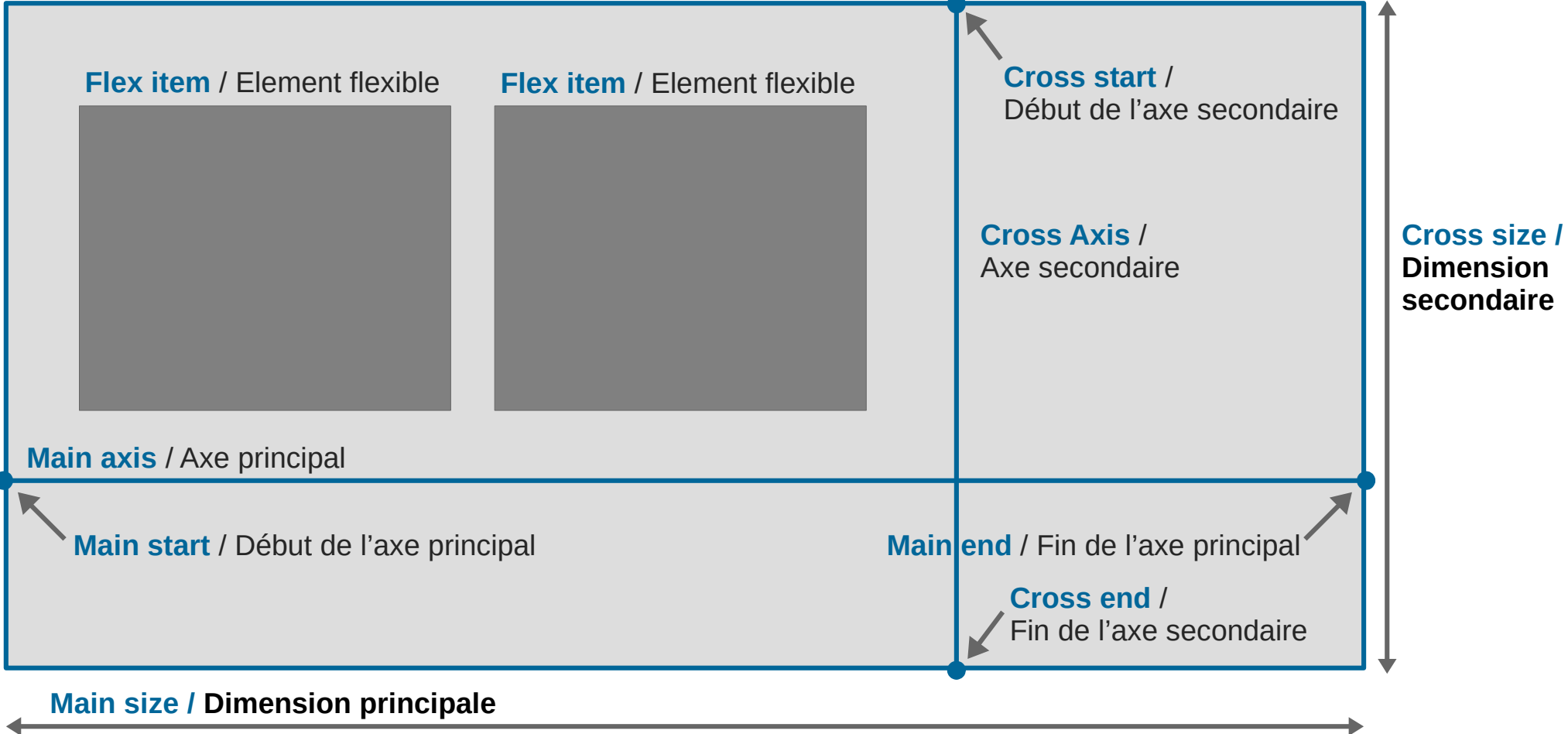
IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Android Browser *	Chrome for Android	UC Browser for Android	Samsung Internet
					9.3					
					10.2					
		52	49		10.3					
	16	59	65	11	11.2		4.4			
⁴ 11	17	60	66	11.1	11.3	all	66	66	11.8	6.2
	18	61	67	12						
		62	68	TP						
			69							

Notes Known issues (9) Resources (13) Feedback

Most partial support refers to supporting an **older version** of the specification or an **older syntax**.

⁴ Partial support is due to large amount of bugs present (see known issues)

Flex container / Conteneur flexible



display: flex | inline-flex ;

Déclaration de l'élément en flexible

flex (type bloc)



inline-flex (type inline)



flex-direction ;

Défini l'axe principal (main-axis) et sa direction

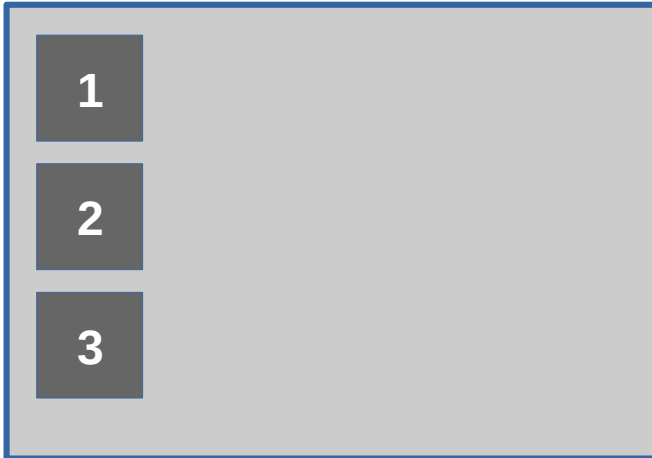
row *



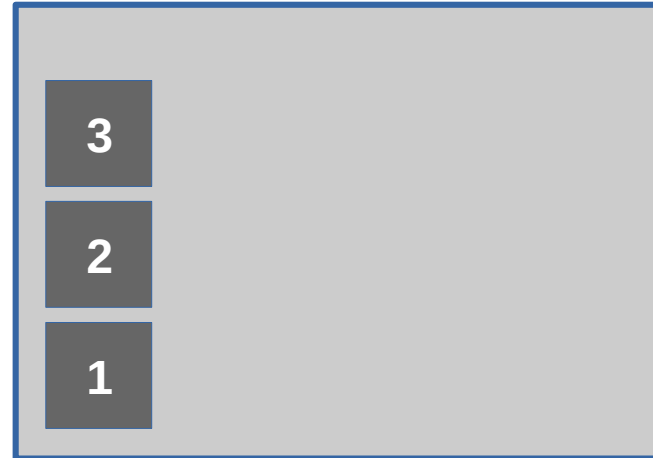
row-reverse



column



column-reverse



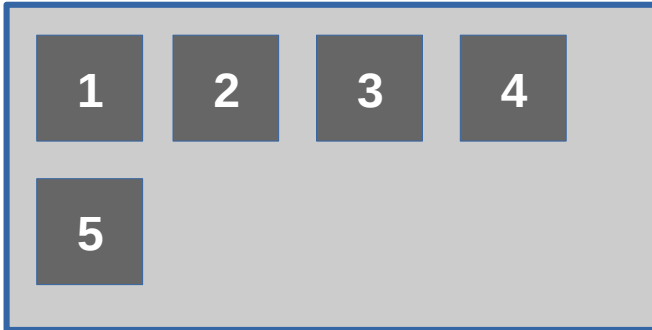
flex-wrap;

Les flex items restent sur une ligne ou non

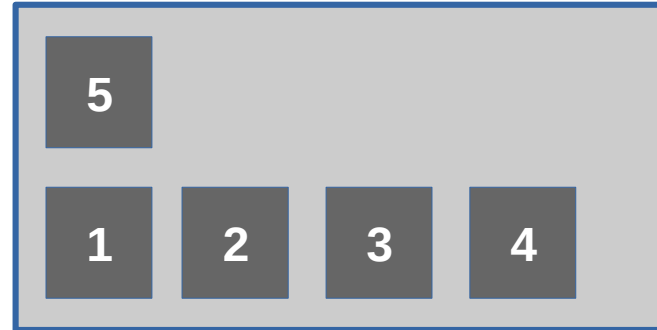
nowrap *



wrap



wrap-reverse



flex-flow

Propriété raccourcie de : flex-direction et de flex-wrap

flex-flow : <flex-direction> <flex-wrap> ;

justify-content

Répartition des espaces entre et autour des éléments flexibles sur l'axe PRINCIPAL (main-axis)

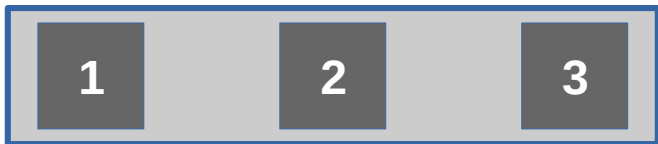
flex-start *



flex-end



space-between



space-around



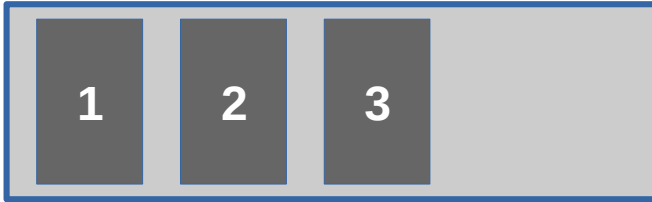
center



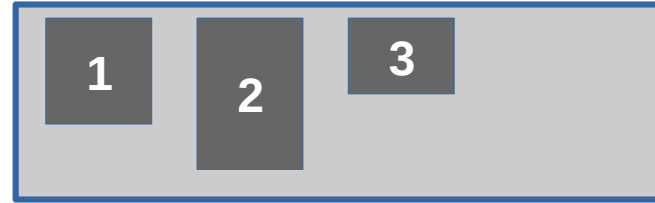
align-items

Répartition des espaces entre et autour des éléments flexibles sur l'axe SECONDAIRE (cross-axis)

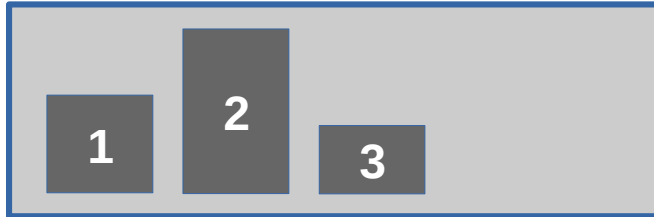
normal / stretch *



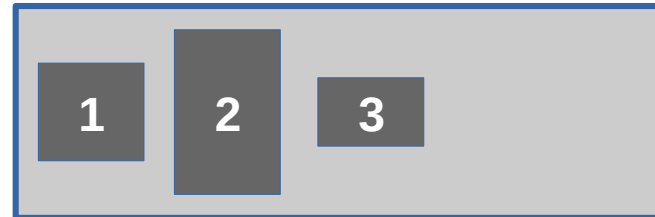
flex-start



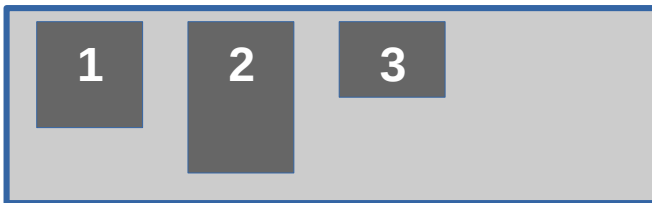
flex-end



center



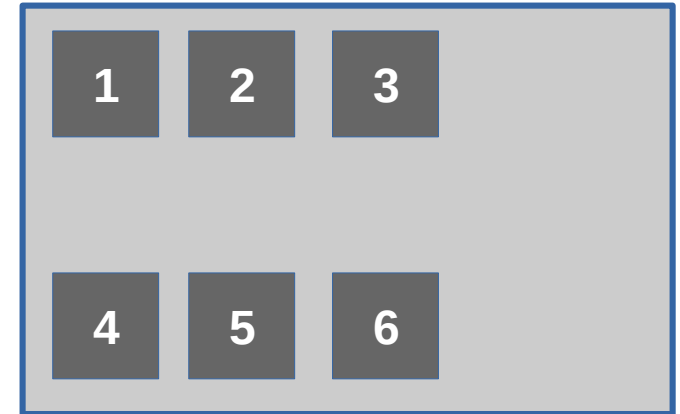
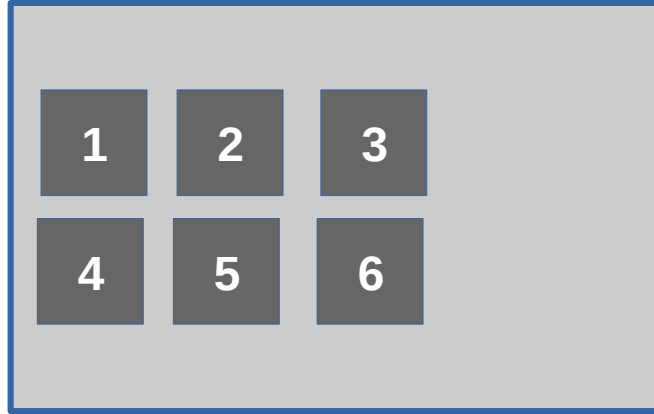
baseline



align-content

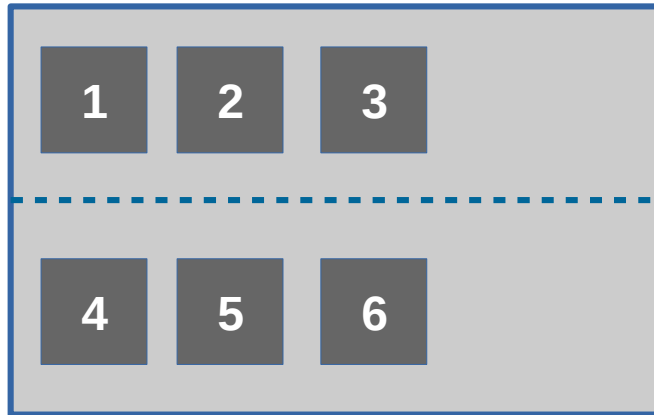
Répartition des espaces autour et entre des éléments flexibles sur l'axe
SECONDAIRE (cross axis)

center



Space-between

space-around



order

Défini l'ordre d'apparition des éléments (nombre entier)

0^*



Order: 0;

n



Order: 1;

$-n$

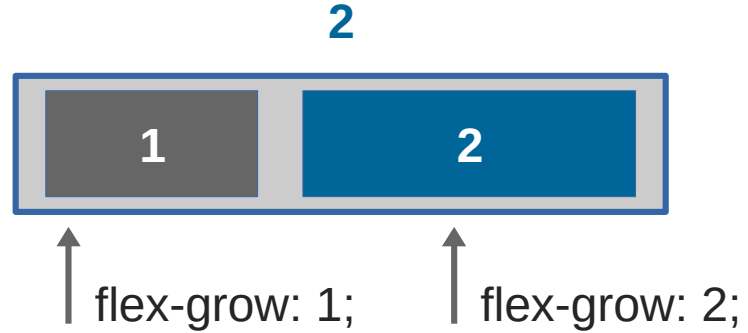
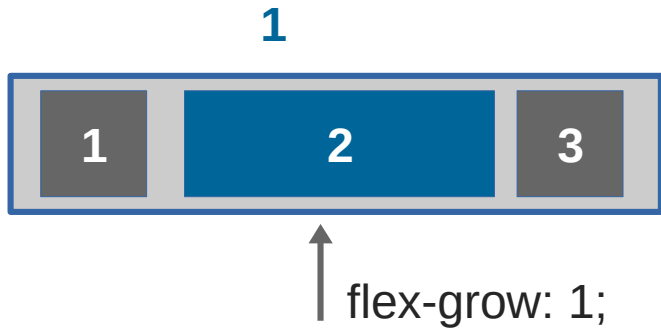


Order: -1;

Attention à l'accessibilité des éléments !

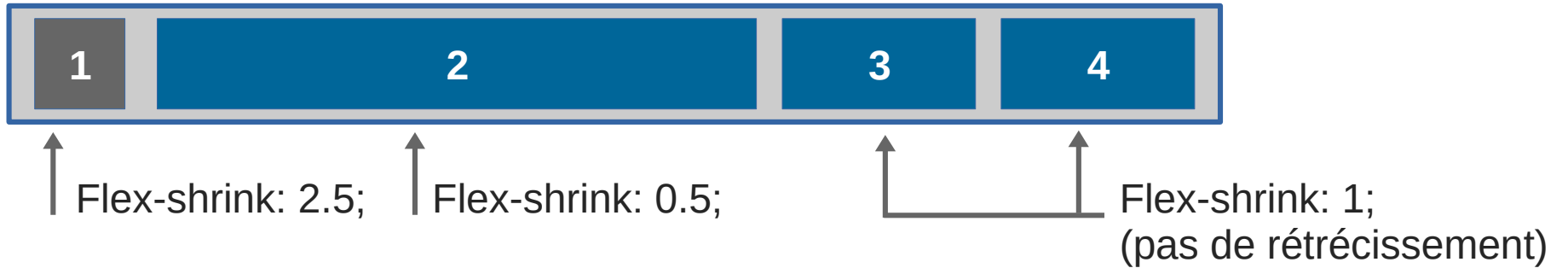
Flex-grow* : 0 ;

Indique le facteur de grossissement d'une élément flexible (nombre positif)



Flex-shrink* : 1 ;

Indique le facteur de rétrécissement d'une élément flexible (nombre positif)



flex-shrink: 0; => **pas de rétrécissement !!**

Codepen Flex Shrink

flex-basis

Détermine la taille de l'élément flexible sur l'axe PRINCIPAL (main axis)

Auto * (defini par la valeur
du width ou du height)

Largeur

80 %

150 px

12 rem

18 vh

Mots clés

content

min-content

max-content

Codepen [Flex-basis](#)

flex

Propriété raccourcie de : flex-grow, flex-shrink, flex-basis

```
flex : <flex-flow> <flex-shrink> <flex-basis>;  
flex* : 0 1 auto ;
```

Bac à sable :

<https://codepen.io/gamuza>

Liens

[css-tricks](#)

[MDN Concepts_de_base_flexbox](#)

[Alsacreation flexbox-layout-module](#)

[JEU : flexboxfroggy](#)