

# Cheat Sheet - Tailwind CSS v4

Référence rapide - Version 4 (2024)

## NEW NOUVEAU v4 : Configuration CSS

💡 Plus de tailwind.config.js ! Tout dans le CSS avec @theme

```
/* app.css - TOUT EN UN */
@import "tailwindcss";

@theme {
  --color-brand: #FF6B6B;
  --spacing-18: 4.5rem;
  --font-display: "Inter", sans-serif;
}

@layer components {
  .btn { @apply px-4 py-2 rounded; }
}
```

✓ 1 fichier au lieu de 2 ! Plus simple et plus rapide

## 1. Installation

### CDN (apprendre)

```
<script src="https://cdn.tailwindcss.com"></script>
```

### CLI v4 (production)

```
npm install tailwindcss@next @tailwindcss/cli@next
npx @tailwindcss/cli -i app.css -o output.css --watch
npx @tailwindcss/cli -i app.css -o output.css --minify
```

## 2. Couleurs

```
bg-{color}-{shade} → Fond
text-{color}-{shade} → Texte
border-{color}-{shade} → Bordure
```

```
Couleurs : red orange yellow green blue purple pink
Nuances : 50 100 200 300 400 500 600 700 800 900 950
```

```
bg-blue-500  text-red-600  border-green-500
```

### Custom v4

```
@theme { --color-brand: #FF6B6B; }
<div class="bg-brand">Custom</div>
```

## 3. Spacing

```
Échelle : 0 1 2 3 4 5 6 8 10 12 16 20 24 32 40 48 56 64
1 unité = 0.25rem = 4px
```

```
p-{size} → padding tous côtés  
px-{size} → padding horizontal  
py-{size} → padding vertical  
pt-{size} → padding top  
pr-{size} → padding right  
pb-{size} → padding bottom  
pl-{size} → padding left  
  
m-{size} → margin  
mx-auto → centrage horizontal  
-mt-4 → margin négatif  
  
p-4 px-8 py-2 pt-6 m-4 mx-auto -mt-4
```

## 4. Typographie

```
text-xs → 12px  
text-sm → 14px  
text-base → 16px (défaut)  
text-lg → 18px  
text-xl → 20px  
text-2xl → 24px  
text-3xl → 30px  
text-4xl → 36px  
  
font-thin → 100  
font-light → 300  
font-normal → 400  
font-medium → 500  
font-semibold → 600  
font-bold → 700  
font-extrabold → 800  
  
text-left text-center text-right text-justify  
underline line-through  
uppercase lowercase capitalize
```

## 5. Bordures et arrondis

```
border → 1px  
border-2 → 2px  
border-4 → 4px  
border-t-2 border-r-2 border-b-2 border-l-2  
border-2 border-blue-500  
  
rounded → 4px  
rounded-md → 6px  
rounded-lg → 8px  
rounded-xl → 12px  
rounded-full → cercle  
  
shadow-sm shadow shadow-md shadow-lg shadow-xl
```

## 6. Largeur et Hauteur

```
w-full → 100%  
w-1/2 → 50%  
w-1/3 → 33.33%  
w-1/4 → 25%
```

```
w-64 → 256px
```

```
w-screen → 100vw
```

```
h-64 → 256px
```

```
h-screen → 100vh
```

```
h-full → 100%
```

## 7. Flexbox

```
flex → activer flexbox
```

```
flex-row → horizontal (défaut)
```

```
flex-col → vertical
```

```
justify-start → début
```

```
justify-center → centré
```

```
justify-end → fin
```

```
justify-between → espacé
```

```
justify-around → autour
```

```
items-start → haut
```

```
items-center → milieu
```

```
items-end → bas
```

```
items-stretch → étiré
```

```
gap-4 gap-x-4 gap-y-2
```

```
Centrage parfait :
```

```
flex justify-center items-center h-screen
```

## 8. Grid

```
grid → activer grid
```

```
grid-cols-1 → 1 colonne
```

```
grid-cols-2 → 2 colonnes
```

```
grid-cols-3 → 3 colonnes
```

```
grid-cols-4 → 4 colonnes
```

```
gap-4 gap-6 gap-8
```

```
col-span-2 → occuper 2 colonnes
```

```
Grid responsive :
```

```
grid grid-cols-1 md:grid-cols-2 lg:grid-cols-3
```

## 9. Responsive (Mobile-First)

```
Breakpoints :
```

```
(rien) → 0px Mobile (défaut)
```

```
sm: → 640px Petit écran
```

```
md: → 768px Tablette
```

```
lg: → 1024px Desktop
```

```
xl: → 1280px Grand écran
```

```
2xl: → 1536px Très grand
```

```
text-sm md:text-base lg:text-lg
```

```
w-full md:w-1/2 lg:w-1/3
```

```
Cacher/Afficher :
```

```
block md:hidden → visible mobile uniquement
```

```
hidden md:block → visible desktop uniquement
```

## Custom v4

```
@theme { --breakpoint-tablet: 768px; }
<div class="tablet:text-lg">Custom</div>
```

## 10. États

```
hover:bg-blue-700      → survol
focus:border-blue-500 → focus
active:bg-blue-800    → clic

transition duration-300
hover:scale-110
hover:rotate-45

Exemple complet :
bg-blue-500 hover:bg-blue-600 transition
```

## 11. Display

```
block      → block
inline-block → inline-block
inline     → inline
flex       → flex
grid       → grid
hidden    → display: none
```

## 12. Position

```
relative → position: relative
absolute → position: absolute
fixed   → position: fixed
sticky   → position: sticky

top-0  right-0  bottom-0  left-0
inset-0 → top/right/bottom/left: 0
```

## 13. Composant Bouton

```
<button class="bg-blue-500 hover:bg-blue-600
          text-white px-6 py-3 rounded-lg
          font-semibold transition">
  Mon bouton
</button>
```

## 14. Composant Card

```
<div class="bg-white rounded-lg shadow-lg">
  
  <div class="p-6">
    <h3 class="text-xl font-bold">Titre</h3>
    <p class="text-gray-600">Description</p>
  </div>
</div>
```

## 15. @layer (v4)

```
@layer base {  
  h1 { @apply text-4xl font-bold; }  
}  
  
@layer components {  
  .btn { @apply px-4 py-2 rounded; }  
}  
  
@layer utilities {  
  .content-auto { content-visibility: auto; }  
}
```

## 16. Commandes CLI v4

```
# Installation  
npm install tailwindcss@next @tailwindcss/cli@next  
  
# Development  
npx @tailwindcss/cli -i app.css -o output.css --watch  
  
# Production  
npx @tailwindcss/cli -i app.css -o output.css --minify  
  
Résultat production : 10-50 KB !
```

## 17. Bonnes Pratiques v4

- ✓ CDN = dev uniquement, CLI = production
- ✓ @theme pour config custom
- ✓ Mobile-first : sans préfixe puis md: lg:
- ✓ Purge automatique avec --minify
- ✓ @layer pour composants réutilisables
- ✓ Transitions pour interactions fluides
- ⚠ JAMAIS CDN en production (3+ MB)
- ⚠ Ne pas mélanger Bootstrap/Materialize
- ⚠ Ne pas générer classes dynamiquement

## 18. Résumé v4

1. Configuration : @theme dans CSS (pas .config.js)
2. Import : @import "tailwindcss"
3. Un fichier : app.css contient tout
4. Performance : 10x plus rapide (Rust)
5. Utility-first : composer classes
6. Mobile-first : sans préfixe puis md: lg:
7. Flexbox/Grid : layout moderne

## 8. Flowbite : 450+ composants gratuits

v4 = Plus simple, plus rapide !

Formation DWWM - La Plateforme\_ - 2025