

The `repeat()` Function

Repeat Yourself – But In CSS

Long templates are a smell.

```
grid-template-columns: 1fr 1fr 1fr 1fr 1fr 1fr 1fr 1fr;
```

“Writing this is fine... once. Writing it all semester is not.”

Same Result. Less Noise.

BEFORE

```
grid-template-columns: 1fr 1fr 1fr 1fr;
```

AFTER

```
grid-template-columns: repeat(4, 1fr);
```

Anatomy of a Pattern

```
repeat(4, 1fr)
```

****The Count****

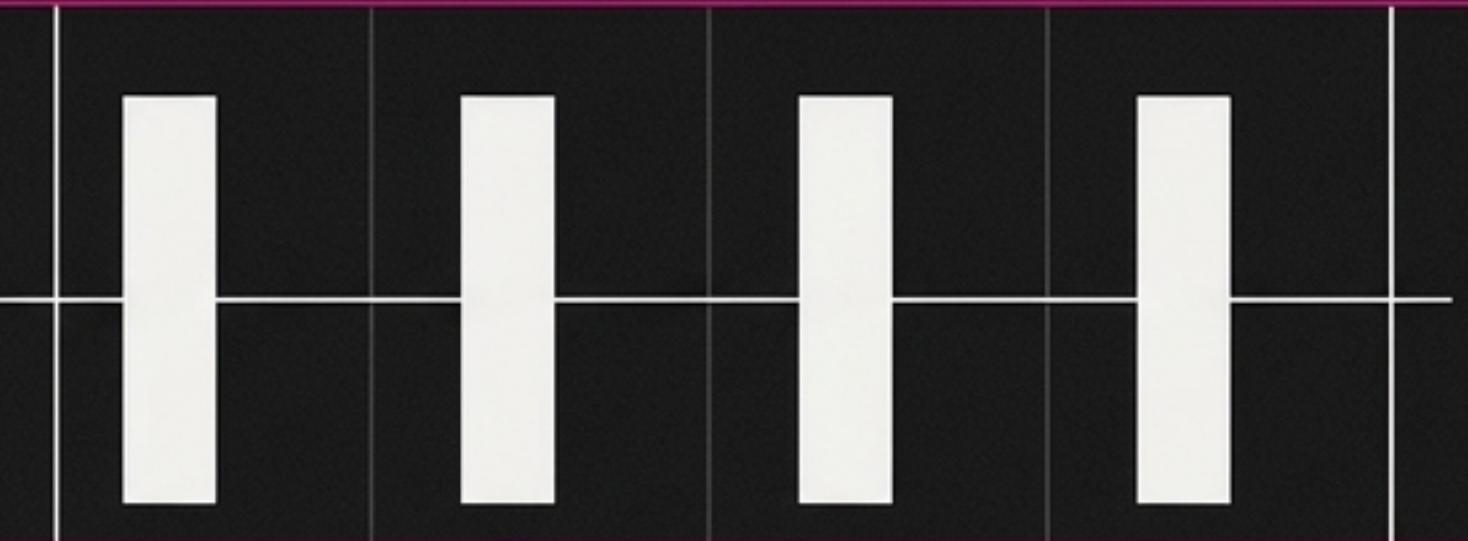
Make 4 columns

****The Pattern****

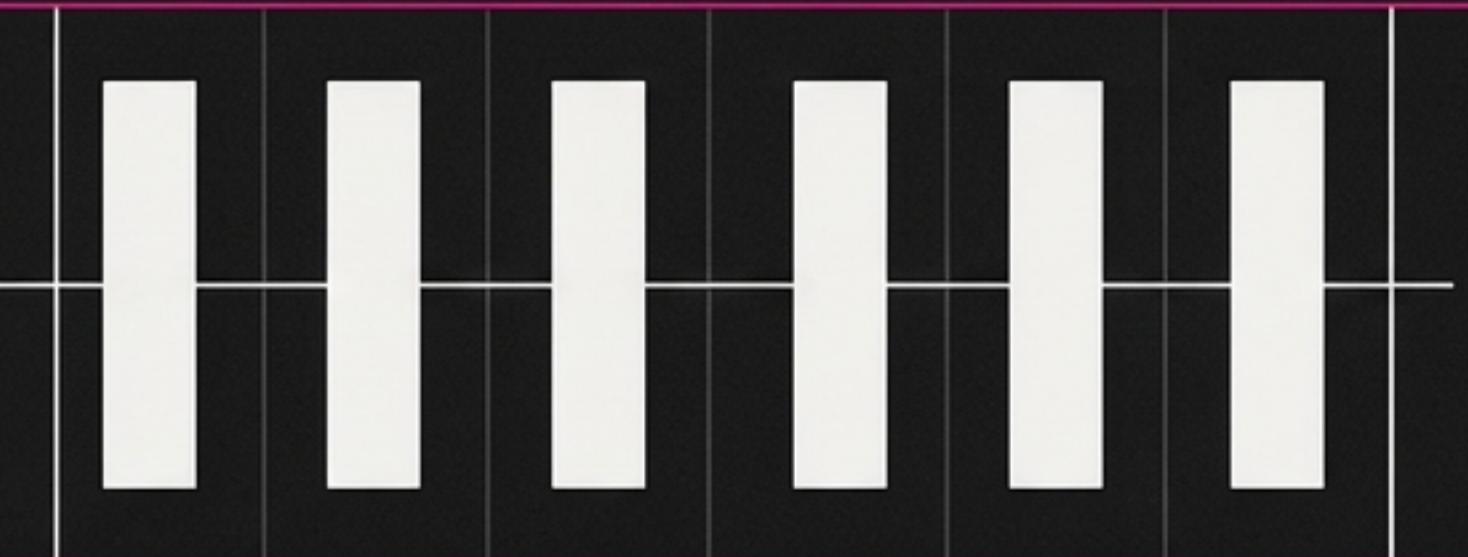
Each column is 1fr

Change the Count, Keep the Pattern

```
grid-template-columns: repeat(4, 1fr);
```



```
grid-template-columns: repeat(6, 1fr);
```

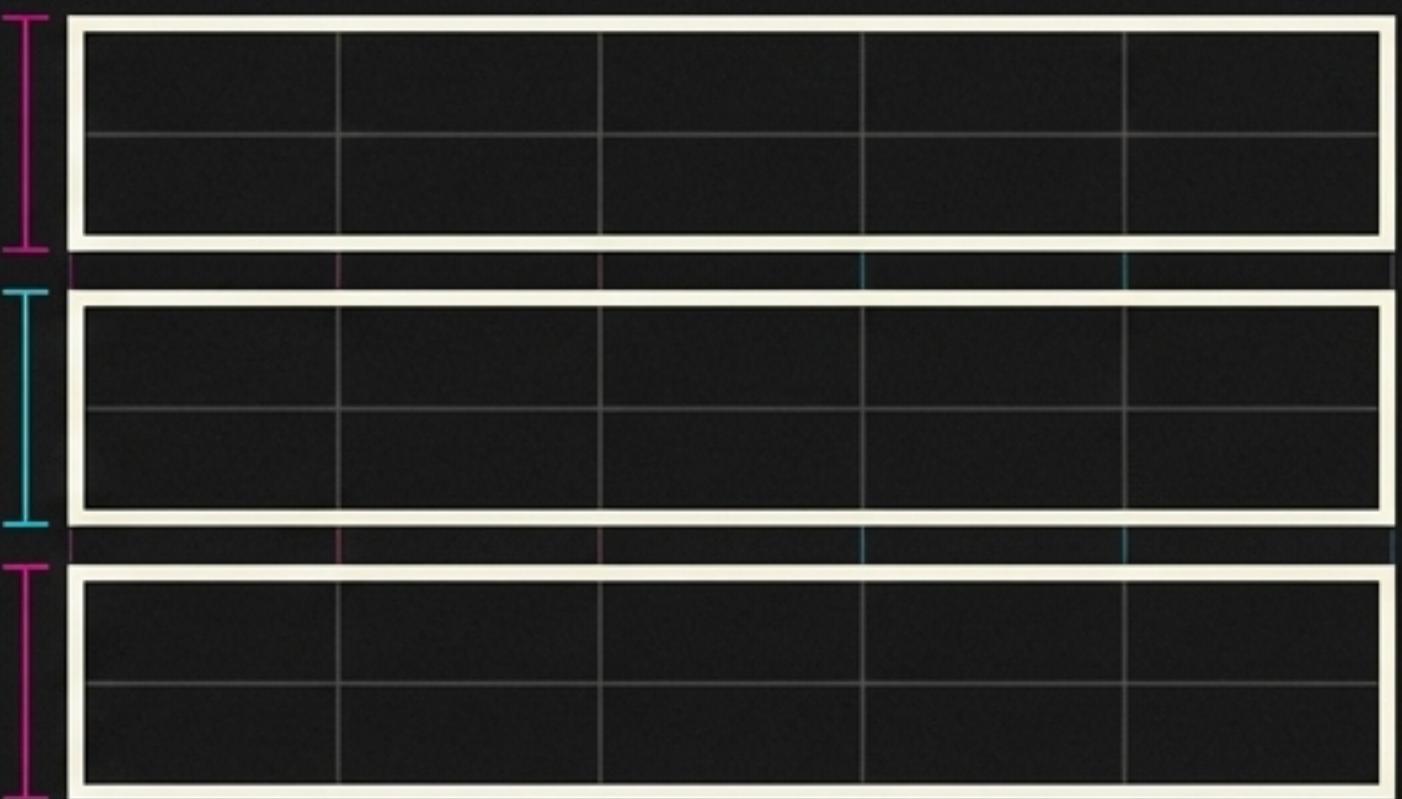


You didn't rewrite the track list — you changed the count. That's the whole point.

Repeat Works for Rows, Too.

“Any track size works: `fr`, `rem`, `%`, `minmax()`, etc.”

```
grid-template-rows: repeat(3, 10rem);
```



In Practice: The Pattern Forge

Change the count. Keep the pattern. That's the whole point of repeat().

Pattern Forge grid-template-columns: repeat(3, 10)

Build a template
Change the count. Keep the pattern. That's the whole point of repeat().

`track: 1fr` `track: 12rem` `track: minmax(10rem, 1fr)`

repeat count: 3

`use repeat()` `expand tracks`

Expanded templates aren't "wrong" — they're just noisy. `repeat()` keeps your intent readable.

Stage grid-template-columns: repeat(3, 1fr)

1 Auto-placed	2 Auto-placed	3 Auto-placed
4 Auto-placed	5 Auto-placed	6 Auto-placed
7 Auto-placed	8 Auto-placed	9 Auto-placed
10 Auto-placed	11 Auto-placed	12 Auto-placed

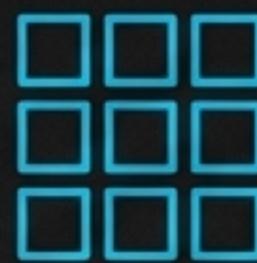
Same items. Same flow. Only the template changes.

Expanded templates aren't 'wrong' — they're just noisy. `repeat()` keeps your intent readable.

Same items. Same flow. Only the template changes.

Your New Default for Scalable Grids

Use `repeat()` when:



Your grid has repeated structure.



You want to scale column or row counts quickly.



You want templates that stay readable under pressure.

Patterns are power.



p.s., keep learning!