

The default columns are equivalent to the following:

```
progress = Progress(
    TextColumn("[progress.description]{task.description}"),
    BarColumn(),
    TaskProgressColumn(),
    TimeRemainingColumn(),
)
```

To create a Progress with your own columns in addition to the defaults, use `get_default_columns()`:

```
progress = Progress(
    SpinnerColumn(),
    *Progress.get_default_columns(),
    TimeElapsedColumn(),
)
```

The following column objects are available:

- `BarColumn` Displays the bar.
- `TextColumn` Displays text.
- `TimeElapsedColumn` Displays the time elapsed.
- `TimeRemainingColumn` Displays the estimated time remaining.
- `MofNCompleteColumn` Displays completion progress as "{task.completed}/{task.total}" (works best if completed and total are ints).
- `FileSizeColumn` Displays progress as file size (assumes the steps are bytes).
- `TotalFileSizeColumn` Displays total file size (assumes the steps are bytes).
- `DownloadColumn` Displays download progress (assumes the steps are bytes).
- `TransferSpeedColumn` Displays transfer speed (assumes the steps are bytes).
- `SpinnerColumn` Displays a “spinner” animation.
- `RenderableColumn` Displays an arbitrary Rich renderable in the column.

To implement your own columns, extend the `ProgressColumn` class and use it as you would the other columns.

16.2.9 Table Columns

Rich builds a `Table` for the tasks in the Progress instance. You can customize how the columns of this *tasks table* are created by specifying the `table_column` argument in the Column constructor, which should be a `Column` instance.

The following example demonstrates a progress bar where the description takes one third of the width of the terminal, and the bar takes up the remaining two thirds:

```
from time import sleep

from rich.table import Column
from rich.progress import Progress, BarColumn, TextColumn

text_column = TextColumn("{task.description}", table_column=Column(ratio=1))
bar_column = BarColumn(bar_width=None, table_column=Column(ratio=2))
progress = Progress(text_column, bar_column, expand=True)
```

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