

While `RegexHighlighter` is quite powerful, you can also extend its base class `Highlighter` to implement a custom scheme for highlighting. It contains a single method `highlight` which is passed the `Text` to highlight.

Here's a silly example that highlights every character with a different color:

```
from random import randint

from rich import print
from rich.highlighter import Highlighter

class RainbowHighlighter(Highlighter):
    def highlight(self, text):
        for index in range(len(text)):
            text.stylize(f"color({randint(16, 255)})", index, index + 1)

rainbow = RainbowHighlighter()
print(rainbow("I must not fear. Fear is the mind-killer."))
```

## 6.2 Builtin Highlighters

The following builtin highlighters are available.

- `ISO8601Highlighter` Highlights ISO8601 date time strings.
- `JSONHighlighter` Highlights JSON formatted strings.