

MUI benchmark

@mui/material

Synthetic benchmark

```
yarn server:core

ButtonBase x 40,724 ops/sec ±1.58% (189 runs sampled)
HocButton x 166,229 ops/sec ±1.04% (191 runs sampled)
NakedButton x 228,473 ops/sec ±0.99% (187 runs sampled)
ButtonBase enable ripple x 56,019 ops/sec ±0.87% (189 runs sampled)
ButtonBase disable ripple x 61,748 ops/sec ±0.35% (190 runs sampled)
Markdown x 954 ops/sec ±1.35% (187 runs sampled)
```

@mui/docs

Synthetic benchmark

```
yarn server:docs

Markdown x 946 ops/sec ±4.04% (176 runs sampled)
MarkdownElement x 3,941 ops/sec ±5.53% (185 runs sampled)
```

@mui/styles

Synthetic benchmark

```
yarn server:styles

Box x 3,850 ops/sec ±3.58% (178 runs sampled)
JSS naked x 35,493 ops/sec ±2.29% (183 runs sampled)
WithStylesButton x 16,844 ops/sec ±0.34% (191 runs sampled)
HookButton x 23,213 ops/sec ±0.88% (191 runs sampled)
StyledComponentsButton x 7,442 ops/sec ±2.09% (180 runs sampled)
EmotionButton x 11,345 ops/sec ±2.45% (185 runs sampled)
EmotionCssButton x 53,807 ops/sec ±0.40% (191 runs sampled)
EmotionServerCssButton x 43,701 ops/sec ±1.04% (190 runs sampled)
Naked x 58,694 ops/sec ±0.86% (188 runs sampled)
```

@mui/system

Synthetic benchmark

```
yarn server:system

@styled-system/css x 64,606 ops/sec ±0.45% (188 runs sampled)
```

```
@chakra-ui/system/css x 126,272 ops/sec ±0.21% (191 runs sampled)
@mui/system styleFunctionSx x 40,867 ops/sec ±0.50% (191 runs sampled)
```

Real-world benchmark

```
yarn server:server

bombardier \
  -c 100 \
  -l \
  -d 30s \
  -m GET \
  '0.0.0.0:3001/avatar'

Statistics      Avg      Stdev      Max
Reqs/sec      442.47      55.44      547.63
Latency       225.64ms     17.11ms     471.31ms
Latency Distribution
  50%    221.98ms
  75%    230.69ms
  90%    241.19ms
  95%    247.87ms
  99%    273.88ms
HTTP codes:
  1xx - 0, 2xx - 26642, 3xx - 0, 4xx - 0, 5xx - 0
  others - 0
Throughput:    11.61MB/s
```

Resources

- [Bombardier](#)