Difference Between YAML and JSON

What's the difference between YAML and JSON? Below are comparison between YAML and JSON

- YAML is best suited for configuration while JSON is better as a serialization format or serving up data for your APIs.
- YAML has a couple of big advantages including the ability to self-reference, support for complex datatypes, embedded block literals, comments, and more.
- YAML is by no means a replacement for JSON. You should use the data format that makes the most sense for what you are trying to accomplish.
- JSON learning is faster in comparison to YAML because it is not nearly as robust in its feature set.
- You can parse JSON with a YAML parser.
- JSON is best for data interchange.

YAML

```yaml
car:
   color: blue
   price: $30,000
```

JSON

```json
{
   "car": {
         "color": "blue",
         "price": "$30,000"
    }
```

Syntax Comparison

JSON Syntax:

- JSON is a subset of the JavaScript object notation syntax.
- JSON data stored in name/value pairs.
- JSON records separated by commas.
- JSON field names & strings are wrapped by double quotes.

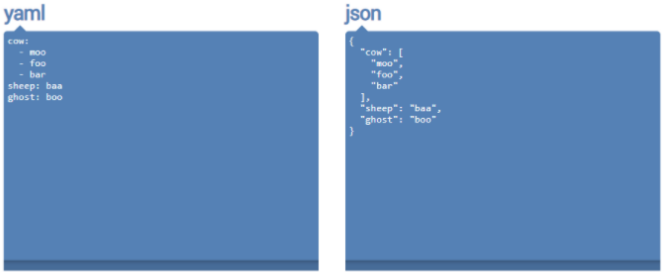
YAML Syntax:

- YAML stands for ain't markup language and is a superset of JSON – You Convert YAML to JSON
- YAML files begin with '—', marking the start of the document.
- YAML documents end with '...' but it's optional.
- YAML key value pairs are separated by colon.
- YAML lists begin with a hyphen.

Type	YAML	JSON
Comments	Denoted with a hash/number sign	Not allowed
Hierarchy	Mappings, and sequences can be nested. Hierarchy is determined by the indentation level	Objects and arrays can be nested, and are denoted by braces and brackets, respectively.
Arrays	[first, second, 3]	["first", "second", 3]
Strings	Does not require quoting but supports both single and double quotes	Must be double-quoted. Allows character (tabs, newlines, etc.) escaping with a backslash as the escape character.
Numbers	Built-in support for integers, floating-point, octal and hexadecimal numbers	Floating point numbers in scientific notation. Infinity is not permitted.

YAML to JSON Converter

You can easily find free online YAML to JSON converter on the web, Just load your YAML and it will be automatically converted to JSON.



YAML

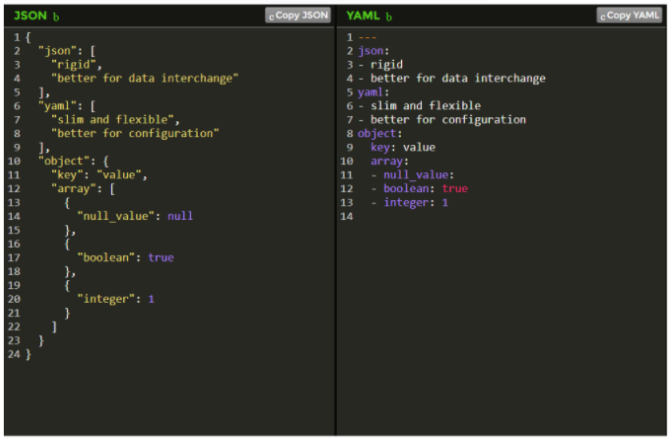
```yaml
cow:
  - moo
  - foo
  - bar
sheep: baa
ghost: boo
```

JSON

```json
{
  "cow": [
    "moo",
    "foo",
    "bar"
  ],
  "sheep": "baa",
  "ghost": "boo"
}
```

JSON to YAML Converter

You can easily find free online JSON to YAML converter on the web, Just load your JSON and it will be automatically converted to YAML.



JSON

```json
{
  "json": [
    "rigid",
    "better for data interchange"
  ],
  "yaml": [
    "slim and flexible",
    "better for configuration"
  ],
  "object": {
    "key": "value",
    "array": [
      {
        "null_value": null
      },
      {
        "boolean": true
      },
      {
        "integer": 1
      }
    ]
  }
}
```

YAML

```yaml
---
json:
- rigid
- better for data interchange
yaml:
- slim and flexible
- better for configuration
object:
  key: value
  array:
  - null_value:
  - boolean: true
  - integer: 1
```