The `<meter>` element

The `<meter>` element displays colored bars to represent numeric values.

It can be useful to display a colored gauge to show disk usage, to highlight the relevance of a query result, or the fraction of a voting population that favours a particular candidate, etc. This element is often used with the `<input type="range">` field as an instant feedback indicator.

```
<meter min=50 max=200 low=90 high=119 optimum=100></meter>
```

Blood Pressure:

The `<meter>` element should not be used to indicate progress. You should instead use a `<progress>` element.

This element is supported by all major browsers, on desktop and mobile devices.

TYPICAL USE

```
Storage space used: <meter value=75 min=0max=100 low=20 high=98></meter>
```

The `<meter>` element uses the easy-to-understand `value`, `min`,`max`, `low` and `high` attributes. The `low` and `high` attributes will affect the color of the bar, and of course the constraint `min` <`low` < `high` < `max` should be respected.

INTERACTIVE EXAMPLE

Try the next example online at JS Bin or just play with it in your browser by dragging the slider below:

```
<meter value=75 min=0 max=100 low=20 high=80></meter>
```

Grades:

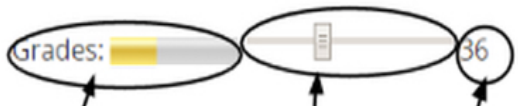Source code of the example:

```
<p>Grades: <meter id="meter2" value="75"min="0" max="100" low="20" high="80">
</meter>
<input min="0" max="100" value="75"id="meter2range"
        oninput="effect('meter2','meter2range')" type="range">
<outputid="meter2val" for="meter2range"></output></p>
<script>
function effect(meter, meterrange) {
    var currVal =document.getElementById(meterrange).value;
    document.getElementById(meter).value= currVal;
    document.getElementById(meter+"val").innerHTML = currVal;
}
</script>
```

Explanations:

The color of the gauge changes depending on the attribute's values:

- If the `value` is between `min` and `low`, the meter is red.

- If the `value` is the `low` value, the `high` value, or anywhere in between, the meter is yellow.

- If the `value` is between `high` and `max`, it will be green.

- Currently the `optimum` value has no noticeable effect.

EXTERNAL RESOURCE

- A good article about `<meter>` is to be found on the css-trick Web site. It shows how to use

proprietary CSS pseudo classes to style the element.