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st.metric

Streamlit Version Version 1.41.0

Display a metric in big bold font, with an optional indicator of how the metric changed.

Tip: If you want to display a large number, it may be a good idea to shorten it using packages like millify or numerize. E.g. `1234` can be displayed as `1.2k` using `st.metric("Short number", millify(1234))`.

Function signature[source]

st.metric(label, value, delta=None, delta_color="normal", help=None, label_visibility="visible", border=False)

Parameters

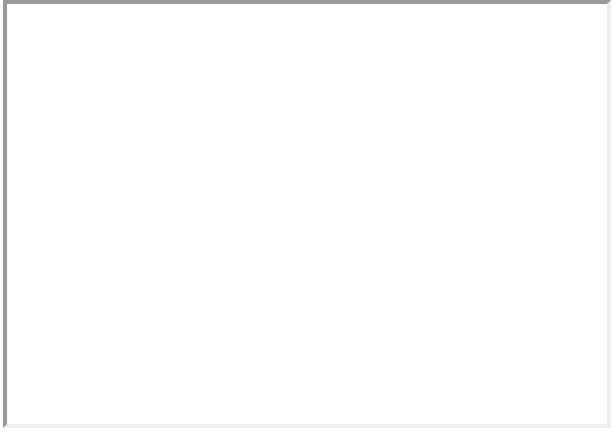
label (str)	The header or title for the metric. The label can optionally contain GitHub-flavored Markdown of the following types: Bold, Italics, Strikethroughs, Inline Code, Links, and Images. Images display like icons, with a max height equal to the font height. Unsupported Markdown elements are unwrapped so only their children (text contents) render. Display unsupported elements as literal characters by backslash-escaping them. E.g., `"1\. Not an ordered list"`. See the `body` parameter of `st.markdown` for additional, supported Markdown directives.
value (int, float, str, or None)	Value of the metric. None is rendered as a long dash.
delta (int, float, str, or None)	Indicator of how the metric changed, rendered with an arrow below the metric. If delta is negative (int/float) or starts with a minus sign (str), the arrow points down and the text is red; else the arrow points up and the text is green. If None (default), no delta indicator is shown.
delta_color ("normal", "inverse", or "off")	If "normal" (default), the delta indicator is shown as described above. If "inverse", it is red when positive and green when negative. This is useful when a negative change is considered good, e.g. if cost decreased. If "off", delta is shown in gray regardless of its value.
help (str)	An optional tooltip that gets displayed next to the metric label. Streamlit only displays the tooltip when `label_visibility="visible"`.
label_visibility ("visible", "hidden", or "collapsed")	The visibility of the label. The default is `"visible"`. If this is `"hidden"`, Streamlit displays an empty spacer instead of the label, which can help keep the widget alligned with other widgets. If this is `"collapsed"`, Streamlit displays no label or spacer.
border (bool)	Whether to show a border around the metric container. If this is `False` (default), no border is shown. If this is `True`, a border is shown.

Examples

Example 1: Show a metric

```
import streamlit as st

st.metric(label="Temperature", value="70 °F", delta="1.2 °F")
```



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Example 2: Create a row of metrics

`st.metric` looks especially nice in combination with `st.columns`.

```
import streamlit as st

col1, col2, col3 = st.columns(3)
col1.metric("Temperature", "70 °F", "1.2 °F")
col2.metric("Wind", "9 mph", "-8%")
col3.metric("Humidity", "86%", "4%")
```

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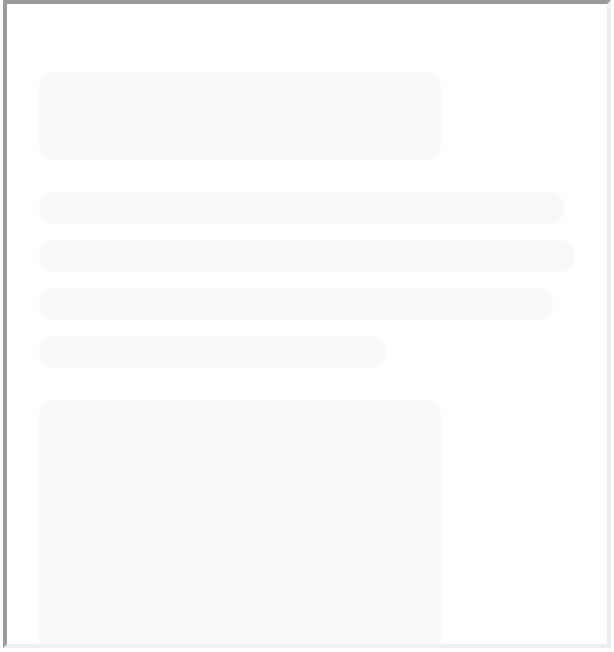
Example 3: Modify the delta indicator

The delta indicator color can also be inverted or turned off.

```
import streamlit as st

st.metric(label="Gas price", value=4, delta=-0.5, delta_color="inverse")

st.metric(
    label="Active developers", value=123, delta=123, delta_color="off"
)
```



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Example 4: Create a grid of metric cards

Add borders to your metrics to create a dashboard look.

```
import streamlit as st

a, b = st.columns(2)
c, d = st.columns(2)

a.metric("Temperature", "30°F", "-9°F", border=True)
b.metric("Wind", "4 mph", "2 mph", border=True)

c.metric("Humidity", "77%", "5%", border=True)
d.metric("Pressure", "30.34 inHg", "-2 inHg", border=True)
```

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←Previous: st.tableNext: st.json→

forum

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forum Ask AI