

[MS-CSS3-UI]:

Microsoft Edge CSS Basic User Interface Module Level 3 (CSS3 UI) Standards Support Document

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Revision Summary

Date	Revision History	Revision Class	Comments
11/27/2018	1.0	New	Released new document.

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1 Introduction

This document describes the level of support provided by Microsoft web browsers for the *CSS Basic User Interface Module Level 3 (CSS3 UI)* specification [\[CSS3UI:2018\]](#), published June 2018. The [\[CSS3UI:2018\]](#) specification describes user interface related properties and values that are proposed for CSS level 3 to style HTML and XML (including XHTML). It includes and extends CSS level 2 revision 1.

1.1 Glossary

MAY, SHOULD, MUST, SHOULD NOT, MUST NOT: These terms (in all caps) are used as defined in [\[RFC2119\]](#). All statements of optional behavior use either MAY, SHOULD, or SHOULD NOT.

1.2 References

Links to a document in the Microsoft Open Specifications library point to the correct section in the most recently published version of the referenced document. However, because individual documents in the library are not updated at the same time, the section numbers in the documents may not match. You can confirm the correct section numbering by checking the [Errata](#).

1.2.1 Normative References

We conduct frequent surveys of the normative references to assure their continued availability. If you have any issue with finding a normative reference, please contact dochelp@microsoft.com. We will assist you in finding the relevant information.

[CSS3UI:2018] Çelik, T. and Rivoal, F., Eds., "CSS Basic User Interface Module Level 3 (CSS3 UI)", W3C Recommendation, June 2018, <https://www.w3.org/TR/2018/REC-css-ui-3-20180621/>

[RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, March 1997, <http://www.rfc-editor.org/rfc/rfc2119.txt>

1.2.2 Informative References

None.

1.3 Microsoft Implementations

The following Microsoft web browser versions implement some portion of the [\[CSS3UI:2018\]](#) specification:

- Microsoft Edge

Each browser version may implement multiple document rendering modes. The modes vary from one to another in support of the standard. The following table lists the document modes supported by each browser version.

Browser Version	Document Modes Supported
Microsoft Edge	EdgeHTML Mode

For each variation presented in this document there is a list of the document modes and browser versions that exhibit the behavior described by the variation. All combinations of modes and versions that are not listed conform to the specification. For example, the following list for a variation indicates that the variation exists in three document modes in all browser versions that support these modes:

1.4 Standards Support Requirements

To conform to [\[CSS3UI:2018\]](#), a user agent must implement all required portions of the specification. Any optional portions that have been implemented must also be implemented as described by the specification. Normative language is usually used to define both required and optional portions. (For more information, see [\[RFC2119\]](#).)

The following table lists the sections of [\[CSS3UI:2018\]](#) and whether they are considered normative or informative.

Sections	Normative/Informative
1	Informative
2-6, A-D	Normative

1.5 Notation

The following notations are used in this document to differentiate between notes of clarification, variation from the specification, and points of extensibility.

Notation	Explanation
C####	This identifies a clarification of ambiguity in the target specification. This includes imprecise statements, omitted information, discrepancies, and errata. This does not include data formatting clarifications.
V####	This identifies an intended point of variability in the target specification such as the use of MAY, SHOULD, or RECOMMENDED. (See [RFC2119] .) This does not include extensibility points.
E####	Because the use of extensibility points (such as optional implementation-specific data) can impair interoperability, this profile identifies such points in the target specification.

For document mode and browser version notation, see also section [1.3](#).

2 Standards Support Statements

This section contains all variations, clarifications, and extensions for the Microsoft implementation of [\[CSS3UI:2018\]](#).

- Section [2.1](#) describes normative variations from the MUST requirements of the specification.
- Section [2.2](#) describes clarifications of the MAY and SHOULD requirements.
- Section [2.3](#) describes extensions to the requirements.
- Section [2.4](#) considers error handling aspects of the implementation.
- Section [2.5](#) considers security aspects of the implementation.

2.1 Normative Variations

The following subsections describe normative variations from the MUST requirements of [\[CSS3UI:2018\]](#).

2.1.1 [CSS3UI:2018] Section 4.3 Outline Patterns: the outline-style property

V0005: The outline-style property does not animate properly

The specification states:

```
4.3. Outline Patterns: the outline-style property
```

```
Name:          'outline-style'  
...  
Animation type: discrete
```

EdgeHTML Mode

The `outline-style` property does not animate properly.

V0006: The auto value of the outline-style property is not supported

The specification states:

```
4.3. Outline Patterns: the outline-style property
```

```
Name:          'outline-style'  
...  
Value:         auto | <border-style>
```

EdgeHTML Mode

The `auto` value of the `outline-style` property is not supported.

2.1.2 [CSS3UI:2018] Section 5.1 Resizing Boxes: the resize property

V0007: The resize property is not supported

The specification states:

5.1. Resizing Boxes: the `resize` property

The `resize` property allows the author to specify whether or not an element is resizable by the user, and if so, along which axis/axes.

EdgeHTML Mode

The `resize` property is not supported.

2.1.3 [CSS3UI:2018] Section 5.2 Overflow Ellipsis: the `text-overflow` property

V0008: The user cannot select or copy the ellipsed text

The specification states:

5.2. Overflow Ellipsis: the `text-overflow` property

```
Name:      'text-overflow'
Value:     clip | ellipsis
...
```

This property specifies rendering when inline content overflows its end line box edge in the inline progression direction of its block container element ("the block") that has overflow other than visible.

...

```
...
$ user interaction with ellipsis
```

- When the user is interacting with content (e.g. editing, selecting, scrolling), the user agent may treat 'text-overflow: ellipsis' as 'text-overflow: clip'.
- Selecting the ellipsis should select the ellipsed text. If all of the ellipsed text is selected, UAs should show selection of the ellipsis. Behavior of partially-selected ellipsed text is up to the UA.

EdgeHTML Mode

The user cannot select or copy the ellipsed text.

2.1.4 [CSS3UI:2018] Section 6.1.1 Styling the Cursor: the `cursor` property

V0002: The `<url>` type of the `cursor` property does not support the PNG and SVG image file formats

The specification states:

6.1.1. Styling the Cursor: the `cursor` property

```
Name:      'cursor'
Value:     [ [<url> [<x> <y>]?,]*
...
```

This property specifies the type of cursor to be displayed for the pointing device

when the cursor's hotspot is within the element's border edge.
...
Values have the following meanings:

image cursors

<url>

The user agent retrieves the cursor from the resource designated by the URI. ...

The UA must support the following image file formats:

- PNG, as defined in [PNG]
- SVG, as defined in [SVG11], in secure static mode [SVG2], if it has an intrinsic size.
- any other non-animated image file format that they support for <image> in other properties, such as the background-image property

EdgeHTML Mode

The <url> type of the `cursor` property does not support the PNG and SVG image file formats.

V0003: Setting the <x> and <y> coordinate values of the cursor property is not supported

The specification states:

6.1.1. Styling the Cursor: the cursor property

Name: 'cursor'
Value: [[<url> [<x> <y>]?,]*
...
...

This property specifies the type of cursor to be displayed for the pointing device when the cursor's hotspot is within the element's border edge.

...
Values have the following meanings:

image cursors

...
<x>
<y>

Each is a <number>. The x-coordinate and y-coordinate of the position in the cursor's coordinate system (left/top relative) which represents the precise position that is being pointed to.

Note: This specification does not define how the coordinate systems of the various types of <image> are established, and defers these definitions to [CSS4-IMAGES].

If the values are unspecified, then the intrinsic hotspot defined inside the image resource itself is used. If both the values are unspecified and the referenced cursor has no defined hotspot, the effect is as if a value of "0 0" were specified.

If the coordinates of the hotspot, as specified either inside the image resource or by <x> and <y> values, fall outside of the cursor image, they must be clamped (independently) to fit.

EdgeHTML Mode

Setting the `<x>` and `<y>` coordinate values of the `cursor` property is not supported.

2.1.5 [CSS3UI:2018] Section 6.2.1 Coloring the Insertion Caret: the `caret-color` property

V0004: The `caret-color` property is not supported

The specification states:

6.2.1. Coloring the Insertion Caret: the `caret-color` property

```
Name:          'caret-color'  
...  
Animation type: color  
...
```

The caret is a visible indicator of the insertion point in an element where text (and potentially other content) is inserted by the user. This property controls the color of that visible indicator.

EdgeHTML Mode

The `caret-color` property is not supported.

2.2 Clarifications

There are no clarifications of the MAY and SHOULD requirements of [\[CSS3UI:2018\]](#).

2.3 Extensions

There are no extensions to the requirements of [\[CSS3UI:2018\]](#).

2.4 Error Handling

There are no additional error handling considerations.

2.5 Security

There are no additional security considerations.

3 Change Tracking

No table of changes is available. The document is either new or has had no changes since its last release.

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