

[cms] Media queries in CSS files are broken during minification [5.2.2-B1]

INP-382 - Automatic CSS / JS Compression

The assets in In-Portal are managed by "<inp2:m_Compress .../>" tag (see

CLOSED

).

It works like this:

1. create some assets "*.js" or ".css" files
2. instead of referencing assets directly specify their relative path in "m_Compress" tag (example below)
3. internally a combined minified file of all specified assets is created and it's url is used in HTML

```
<script type="text/javascript" src="<inp2:m_Compress
files='js/script.js|js/calendar/calendar-setup.js' />"></script>
<link rel="stylesheet" href="<inp2:m_Compress
files='js/jquery/thickbox/thickbox.css|js/calendar/calendar-blue.css' />"
type="text/css" media="screen"/>
```

The minification can be done via YUICompressor or JsMin (administrator chooses this upon In-Portal installation). Turns out, that YUICompressor v2.4.2 (version used in In-Portal 5.2.2-B1 and below) has an issue, that results in compressed file has all media queries (the "@media ..." constructs) broken.

VALID

Non-Minified File

```
@media screen and (min-width: 480px) and (max-width: 639px) {
  body {
    background: #000 url(/themes/advanced/img/header-bg.png) no-repeat top
left;
  }
}

@media screen and (max-width: 640px) {
  body {
    background: #000 url(/themes/advanced/img/header-bg.png) no-repeat top
left;
  }
}
```

INVALID

- Known issue reported in <https://davidwalsh.name/yui-compressor-media-query-error> where space between "and (" gets removed making CSS invalid.

Compressed File Using YUICompressor v2.4.2

```
@media screen and(min-width:480px)
and(max-width:639px){body{background:#000
url(/themes/advanced/img/header-bg.png) no-repeat top left;}}@media screen
and(max-width:640px){body{background:#000
url(/themes/advanced/img/header-bg.png) no-repeat top left;}}
```

VALID

Compressed File Using YUICompressor v2.4.8

```
@media screen and (min-width:480px) and  
(max-width:639px){body{background:#000  
url(/themes/advanced/img/header-bg.png) no-repeat top left;}}@media screen  
and (max-width:640px){body{background:#000  
url(/themes/advanced/img/header-bg.png) no-repeat top left;}}
```

VALID

Minified using PHPMin

```
@media screen and (min-width: 480px) and (max-width:  
639px){body{background:#000 url(/themes/advanced/img/header-bg.png)  
no-repeat top left;}}@media screen and (max-width:  
640px){body{background:#000 url(/themes/advanced/img/header-bg.png)  
no-repeat top left;}}
```

Solution

Upgrade to YUICompressor v2.4.8.

Related Discussions

- <https://davidwalsh.name/yui-compressor-media-query-error>

Related Tasks

INP-1694 - Upgrade YUICompressor to v2.4.8

RESOLVED