

Android Html Class Tag Support

The Android *Html* class supports the following HTML tags and properties. The *HtmlCompat* class (AndroidX version 1.2.1) calls through to the framework version of *Html.fromHtml()*, so *HtmlCompat* supports the same tags as *Html* but ignores the *flags* argument for API versions below 24. The following is based upon an examination of the *Html* classes found in SDKs for API 23 and API 30.

Supported Tags

Tag	Block-level? ¹	Limited Style? ²	Notes
<a>			Supports the <i>href</i> tag.
			
<big>			
<blockquote>	Y		
<cite>			
			Supported API 24+.
<dfn>			
<div>	Y		
			
			Supports the <i>color</i> and <i>face</i> ³ attributes.
<h1> ... <h6>	Y		
<i>			
			Supports the <i>src</i> tag with <i>Html.ImageGetter</i> .
	Y	Y	Supported API 24+.
<p>	Y	Y	
<s>			Supported API 24+.
<small>			
		Y	Supported API 24+.
			
<strike>			Supported API 24+.
<sub>			
<sup>			
<tt>			
<u>			
	Y		Supported API 24+.
Other tags			Supported with <i>Html.TagHandler</i> .

¹ Block-level elements support the *text-align* style property. The supported values for text-align are: *start*, *center* and *end*. (*justify* is not supported.)

² "Limited style" indicates that the tag supports the *color*, *background[-color]* and *text-decoration* properties. The only supported value for *text-decoration* is *line-through*. See below for details on color support.

³ *face* can be any typeface name supported by the *TypefaceSpan* class.

Android Html Class Tag Support

Html.fromHtml() Flags

Values for the *flags* argument of *Html.fromHtml()* are:

FROM_HTML_SEPARATOR_LINE_BREAK_BLOCKQUOTE
FROM_HTML_SEPARATOR_LINE_BREAK_DIV
FROM_HTML_SEPARATOR_LINE_BREAK_HEADING
FROM_HTML_SEPARATOR_LINE_BREAK_LIST
FROM_HTML_SEPARATOR_LINE_BREAK_LIST_ITEM
FROM_HTML_SEPARATOR_LINE_BREAK_PARAGRAPH

Each of the preceding flags specifies that the HTML processor should add a single newline after each named block-level element. If the flag is not set then the processor adds two newlines which is the legacy behavior.

For example: Setting **FROM_HTML_SEPARATOR_LINE_BREAK_HEADING** will add one newline after a heading (<h1>, <h2>, etc.)

FROM_HTML_MODE_LEGACY: If this flag is set, then two newlines will be added after each block-level element. Setting this flag is the same as passing zero.

FROM_HTML_MODE_COMPACT: Use of this flag is the same as specifying all of the line break flags which will remove all extra newlines from block-level elements.

FROM_HTML_OPTION_USE_CSS_COLORS: For named colors, use the CSS numeric values instead of the values defined by the Android *Color* class.

For instance, if "darkgray" is specified as the color and this flag is set then the color value will be the CSS value for "darkgray" (0xFFA9A9A9) instead of the value for "darkgray" defined in the *Color* class (0xFF444444). If this flag is not set then the value will be the value from the *Color* class.

Android Html Class Tag Support

CSS Colors

Colors defined in the Color class:

aqua:	0xFF00FFFF
black:	BLACK
darkgray:	DKGRAY
blue:	BLUE
cyan:	CYAN
darkgrey:	DKGRAY
fuchsia:	0xFFFF00FF
gray:	GRAY
green:	GREEN
grey:	GRAY
lightgray:	LTGRAY
lightgrey:	LTGRAY
lime:	0xFF00FF00
magenta:	MAGENTA
maroon:	0xFF800000
navy:	0xFF000080
olive:	0xFF808000
purple:	0xFF800080
red:	RED
silver:	0xFFC0C0C0
teal:	0xFF008080
white:	WHITE
yellow:	YELLOW

(Constants used above)

BLACK:	0xFF000000
BLUE:	0xFF0000FF
CYAN:	0xFF00FFFF
DKGRAY:	0xFF444444
GRAY:	0xFF888888
GREEN:	0xFF00FF00
LTGRAY:	0xFFCCCCCC
MAGENTA:	0xFFFF00FF
RED:	0xFFFF0000
TRANSPARENT:	0
WHITE:	0xFFFFFFFF
YELLOW:	0xFFFFFF00

CSS colors that differ from Android Color class colors are:

darkgray:	0xFFA9A9A9
gray:	0xFF808080
lightgray:	0xFFD3D3D3
darkgrey:	0xFFA9A9A9
grey:	0xFF808080
lightgrey:	0xFFD3D3D3
green:	0xFF008000

These values are only available if the *Html.FROM_HTML_OPTION_USE_CSS_COLORS* flag is set.

Android Html Class Tag Support

Although “white” is defined as a valid color in the Color class, its value (0xFFFFFFFF) causes processing to ignore the color altogether. This is because the value returned for “white” by the Color class (0xFFFFFFFF) is interpreted as a “not found” condition (-1).

One work-around is to specify 0FFFFFFF for the color “white” and let the processing add the leading “FF”.

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