

# Color selector

## Layout

Color selector

Red: 128

Green: 128

Blue: 128

Alpha: 255

HSV: Hue 0°, Sat 100%, Val 100%

Hex:

Show Show

0 0 0 0

1 white

2 whitesmoke

3 snow

4 seashell

5 mintcream

6 ivory

SM-J710F

Red: 253

Green: 245

Blue: 230

Alpha: 255

HSV: Hue 39°, Sat 9%, Val 99%

Hex:

Show Show

0 % 3 % 9 % 0 % -133658

17 oldlace

18 antiquewhite

19 beige

20 lightyellow

21 cornsilk

22 bisque

With this application you can select colors in more than one way:

- use the sliders for the RGBA (Red, Green, Blue, Alpha) values
- copy/paste a hex string in the first inputfield using the 0xFF00FF00 notation or copy/paste a hex string in the second inputfield using the #FF00FF00 notation and tap or click the Show button
- type a valid hex string in one of the inputfields
- select a named color from the list of colors by tapping or clicking on an item in the list

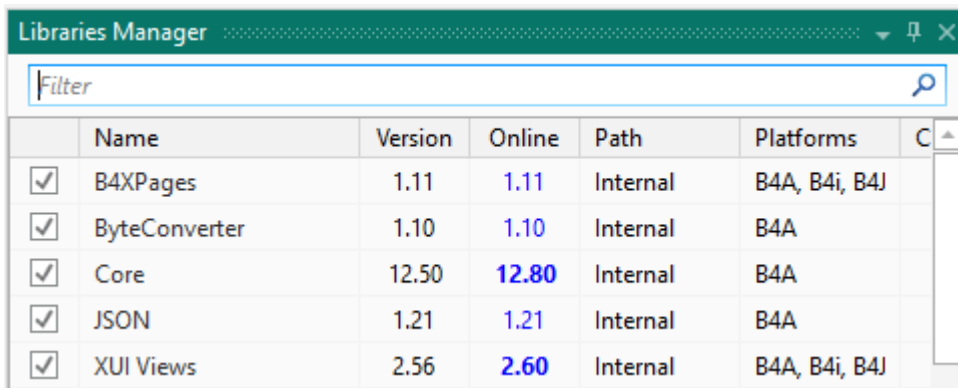
The values are shown after a selection: HSV values, Hex strings, CMYK values and the index and name of the named color.

The application is available in a B4A and a B4J version.

The views are mostly B4X views: B4XSeekBar, B4XFloatTextField, CustomListView. The labels and buttons are used in both implementations.

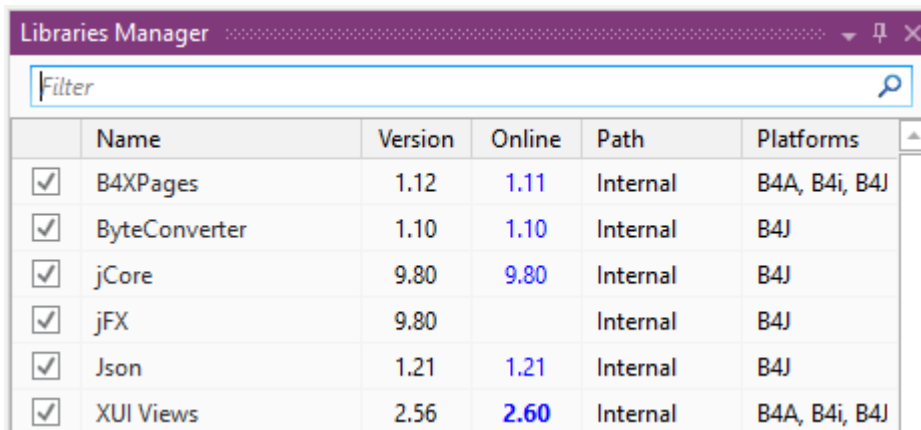
In the source code you can see when there is a difference between the 2 environments. The B4A version uses a panel and the B4J version uses a pane.

The libraries used in the B4A version are:



	Name	Version	Online	Path	Platforms	C
<input checked="" type="checkbox"/>	B4XPages	1.11	1.11	Internal	B4A, B4i, B4J	
<input checked="" type="checkbox"/>	ByteConverter	1.10	1.10	Internal	B4A	
<input checked="" type="checkbox"/>	Core	12.50	12.80	Internal	B4A	
<input checked="" type="checkbox"/>	JSON	1.21	1.21	Internal	B4A	
<input checked="" type="checkbox"/>	XUI Views	2.56	2.60	Internal	B4A, B4i, B4J	

The libraries used in the B4J version are:



	Name	Version	Online	Path	Platforms	
<input checked="" type="checkbox"/>	B4XPages	1.12	1.11	Internal	B4A, B4i, B4J	
<input checked="" type="checkbox"/>	ByteConverter	1.10	1.10	Internal	B4J	
<input checked="" type="checkbox"/>	jCore	9.80	9.80	Internal	B4J	
<input checked="" type="checkbox"/>	jFX	9.80		Internal	B4J	
<input checked="" type="checkbox"/>	Json	1.21	1.21	Internal	B4J	
<input checked="" type="checkbox"/>	XUI Views	2.56	2.60	Internal	B4A, B4i, B4J	

You can find some color functions in the included colorfunctions class module:

```

1 Sub Class_Globals
4 Public Sub Initialize
7 Public Sub ContrastColor(Color As Int) As Int
15 Public Sub ColorToHex(clr As Int) As String
19 Public Sub HexToColor(Hex As String) As Int
30 Public Sub set_RGB_values(clrstr As String) As List
39 Public Sub RGB2CMYK(R As Int, G As Int, B As Int) As Int()
50 Public Sub ColorToHSV(clr As Int) As Object()
80 Public Sub GetARGB(color As Int) As List

```

Some functions were shared by members of the forum. Thanks.

To show the information when a dark color is selected the B4XSeekBar and B4XFloatTextFields are placed on a colored or white label. These labels are added to the beginning of the views list in the Visual Designer.

