

## QGIS Application - Bug report #12671

### Cursor icon is too small on HiDPI screen

2015-04-30 01:27 AM - Alessandro Pasotti

<b>Status:</b>	Closed	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Alessandro Pasotti	
<b>Category:</b>	GUI	
<b>Affected QGIS version:</b>	master	<b>Regression?:</b> No
<b>Operating System:</b>	Ubuntu	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b>	No	<b>Resolution:</b> fixed/implemented
<b>Crashes QGIS or corrupts data:</b>	No	<b>Copied to github as #:</b> 20778
<b>Description</b>		
<p>Cursor icon size is hardcoded to 16x16 in many parts of the code (for example: <a href="https://github.com/qgis/QGIS/blob/master/src/app/qgisapp.cpp#L2317">https://github.com/qgis/QGIS/blob/master/src/app/qgisapp.cpp#L2317</a>)</p> <p>this makes the cursor very difficult to see.</p> <p>The modification I suggest is to add a new QgsApp method that returns the zoom factor, calculated on a 96 dpi base, this will allow to resize all GUI parts by multiplying by the zoom factor.</p> <p>To get current DPI you can use (Python code):</p> <pre>QgsApplication.instance().desktop().physicalDpiX()</pre> <p>The very same method could be used to resize icons and other GUI elements.</p>		
<b>Related issues:</b>		
Related to QGIS Application - Feature request # 11103: Support for retina dis...		Closed 2014-08-26

#### Associated revisions

Revision 7ae8e164 - 2017-11-27 11:51 AM - Alessandro Pasotti

[bugfix][hidpi] Scalable SVG theme cursors

Add support for SVG cursor:

```
ZoomIn,  
ZoomOut,  
Identify,  
CrossHair,  
CapturePoint,  
Select,  
Sampler,
```

Icons are provisional: they need some love from  
a decent graphics designer.

Fixes #12671

#### History

**#1 - 2015-09-21 09:14 AM - Anita Graser**

- Assignee set to *Alessandro Pasotti*

**#2 - 2017-03-06 02:41 PM - Giovanni Manghi**

- Priority changed from *High* to *Normal*

**#3 - 2017-04-20 11:45 AM - Anita Graser**

- Affected QGIS version changed from *2.8.1* to *master*

- Target version set to *Future Release* - *High Priority*

This is still an issue.

For example, the identify tool cursor is so tiny that it is barely usable.

**#4 - 2017-05-01 01:07 AM - Giovanni Manghi**

- Regression? set to *No*

- Easy fix? set to *No*

**#5 - 2017-11-24 07:39 PM - Alessandro Pasotti**

- Description updated

I have a working prototype and I can fix the C++ side for cursor icons that are

- scalable

- SVG-based

- themable

but I'm not that good at SVG for creating the icons themselves any volunteer?

we need the icons that are listed in this file:

<https://github.com/qgis/QGIS/blob/master/src/gui/qgscursors.cpp#L23>

**#6 - 2017-12-01 09:52 AM - Anonymous**

- Status changed from *Open* to *Closed*

- % Done changed from *0* to *100*

Applied in changeset commit:qgis|7ae8e16427e5757d209f6cb18d1b247de8ef6be1.

**#7 - 2017-12-02 06:29 PM - Giovanni Manghi**

- Resolution set to *fixed/implemented*