

QGIS Application - Bug report #20388

QgsCompoundColorWidget instance crash when QgsApplication::colorSchemeRegistry() is empty

2018-11-06 06:13 PM - Vincent Cloarec

Status:	Open	
Priority:	Normal	
Assignee:		
Category:	Unknown	
Affected QGIS version:	3.5(master)	Regression?: No
Operating System:	windows/linux	Easy fix?: No
Pull Request or Patch applied:	No	Resolution:
Crashes QGIS or corrupts data:	Yes	Copied to github as #: 28208
Description		
When QgsApplication is not instanciate and the member mColorSchemeRegistry is empty, a crash appear when calling schemelist.at() (line 78 in qgscompoundcolorwidget.cpp). A way to avoid the crash is to add a color scheme to the registry before instantiate QgsCompoundColorWidget, but may be it would be nicer to avoid the crash even the registry is empty.		

History

#1 - 2018-11-07 01:54 PM - Vincent Cloarec

May be, add a test before the line 78 in the qgscompoundcolorwidget.cpp and add the default color scheme if there is no scheme in the list

```
if (schemeList.empty()){
    QgsApplication::colorSchemeRegistry()->addDefaultSchemes();
    schemeList=QgsApplication::colorSchemeRegistry()->schemes( QgsColorScheme::ShowInColorDialog );
}
```

Vincent Cloarec wrote:

When QgsApplication is not instanciate and the member mColorSchemeRegistry is empty, a crash appear when calling schemelist.at() (line 78 in qgscompoundcolorwidget.cpp). A way to avoid the crash is to add a color scheme to the registry before instantiate QgsCompoundColorWidget, but may be it would be nicer to avoid the crash even the registry is empty.

#2 - 2019-01-28 01:02 PM - Peter Petrik

Hi, do you try to use QgsCompoundColorWidget from plugin or how can I replicate the issue?

#3 - 2019-01-28 02:42 PM - Giovanni Manghi

- Status changed from Open to Feedback

#4 - 2019-01-28 04:30 PM - Vincent Cloarec

Peter Petrik wrote:

Hi, do you try to use QgsCompoundColorWidget from plugin or how can I replicate the issue?

Hello,

I am developing a standalone application which is using QGIS API. I have a dialog which is using the QgsRenderPropertiesDialog class. In this widget, when the QgsCompoundColorWidget class is construct, the program crash unless if i had a color scheme to the registry before instantiate QgsCompoundColorWidget class :

```
QgsApplication::colorSchemeRegistry()->addDefaultSchemes();
```

A simple example, in a context with QgsApplication is not instantiate :

QgsApplication::colorSchemeRegistry()->addDefaultSchemes(); <-- Whith this line, the QgsCompoundColorWidget class is instantiate and works, without this line, there is a crash.

```
QgsCompoundColorWidget* w=new QgsCompoundColorWidget();  
w->show();
```

#5 - 2019-01-28 04:35 PM - Giovanni Manghi

- Status changed from Feedback to Open