
Subject: Re: ArrayCtrl cell color

Posted by [hojtsy](#) on Tue, 07 Feb 2006 12:43:39 GMT

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Here is a dummy example

```
#include <CtrlLib/CtrlLib.h>
```

```
class NumbersOnRed : public Display
```

```
{
```

```
public:
```

```
    static bool numberString(String s);
```

```
    void PaintBackground(Draw& w, const Rect& r, const Value& q,  
                        Color ink, Color paper, dword style) const;
```

```
};
```

```
bool NumbersOnRed::numberString(String s)
```

```
{
```

```
    if(s.GetCount() == 0)
```

```
        return false;
```

```
    int i = 0;
```

```
    if(s[0] == '+' || s[0] == '-')
```

```
        i++;
```

```
    while(i < s.GetCount() && s[i] >= '0' && s[i] <= '9')
```

```
        i++;
```

```
    return i == s.GetCount();
```

```
}
```

```
void NumbersOnRed::PaintBackground(Draw& w, const Rect& r, const Value& q,  
                                   Color ink, Color paper, dword style) const
```

```
{
```

```
    if(IsNumber(q) || (IsString(q) && numberString(AsString(q))))
```

```
        paper = Color(255, 150, 150);
```

```
    Display::PaintBackground(w, r, q, ink, paper, style);
```

```
}
```

```
GUI_APP_MAIN
```

```
{
```

```
    ArrayCtrl array;
```

```
    array.AddColumn("value").SetDisplay(Single<NumbersOnRed>());
```

```
    array.Add("test1");
```

```
    array.Add("2test");
```

```
    array.Add("3 test");
```

```
array.Add("4");  
array.Add("test");  
array.Add("-99");  
TopWindow win;  
win.Zoomable().Sizeable();  
win.Add(array.SizePos());  
win.Run();  
}
```

Intention of PaintBackground is to provide a way for client code to customize the cell background color, including the margin background color, by redefining a method of Display. Previously the margin color was not customizable.
