Subject: Re: New dark theme thread
Posted by Tom1 on Mon, 03 Jan 2022 14:28:01 GMT
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Hi,

I found out that sometimes it's good to re-read some docs, as they get updated: :)

 https://docs.microsoft.com/en-us/windows/win32/api/winuser/n f-winuser-getsyscolor
 https://docs.microsoft.com/en-us/windows/apps/design/style/c olor

From the GetSysColor() documentation, I have picked the following:

 Colors no longer available in Windows 10/11:
COLOR_3DDKSHADOW
COLOR_3DHIGHLIGHT
COLOR_3DHILIGHT
COLOR_3DLIGHT
COLOR_3DSHADOW
COLOR_ACTIVEBORDER
COLOR_ACTIVECAPTION
COLOR_APPWORKSPACE
COLOR_BACKGROUND
COLOR_BTNFACE
COLOR_BTNHIGHLIGHT
COLOR_BTNHILIGHT
COLOR_BTNSHADOW
COLOR_CAPTIONTEXT
COLOR_DESKTOP
COLOR_GRADIENTACTIVECAPTION
COLOR_GRADIENTINACTIVECAPTION
COLOR_INACTIVEBORDER
COLOR_INACTIVECAPTION
COLOR_INACTIVECAPTIONTEXT
COLOR_INFOBK
COLOR_INFOTEXT
COLOR_MENU
COLOR_MENUHILIGHT
COLOR_MENUBAR
COLOR_MENUTEXT
COLOR_SCROLLBAR
COLOR_WINDOWFRAME

 Colors available in Windows 10/11:

COLOR_WINDOW - Window background
COLOR_WINDOWTEXT - Headings, body, lists, app and window borders...
COLOR_HOTLIGHT - Hyperlinks

COLOR_GRAYTEXT - Inactive (disabled) UI
COLOR_HIGHLIGHTTEXT - Foreground color for text or UI that is selected/interacted with (hover, pressed) or in progress
COLOR_HIGHLIGHT - Background or accent for COLOR_HIGHLIGHTTEXT
COLOR_BTNTEXT - Foreground color for buttons and UI with interaction (use with COLOR_3DFACE)
COLOR_3DFACE - Background for COLOR_BTNTEXT

Maybe, the system color list in ChWin32.cpp should be updated to use only colors that are still available on Windows 10/11:
...
static sysColor sSysColor[] = {
 { SColorPaper_Write, COLOR_WINDOW },
...

In any case, the dark mode is too high contrast to look at for a full day. E.g. TheIDE has a very nice contrast on Linux Mint following some basic dark theme I picked from the basic list. However, when in Dark mode on Windows, the GetSysColor(COLOR_WINDOW) returns "Color(1, 1, 1)" and this is simply too dark. Something between Color(32, 32, 32) and Color(48, 48, 48), would work better as the dark background. The invisibility issue with ScrollBar button arrows also make it difficult to use.

Best regards,

Tom