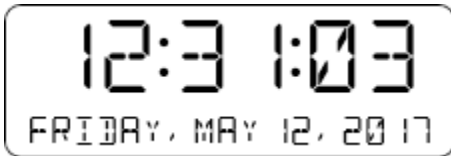


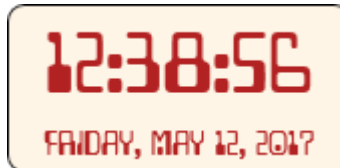
# WPF Clock Application

WPF Clock App is a versatile, highly configurable desktop clock application designed for minimal interference with the other windows on the desktop. It can show as little or as much as desired. It can function as a digital clock, and analog clock, or both. The colors and behavior are very flexible with many choices and options. More than 140 colors are available for all aspects of the UI, including transparent.



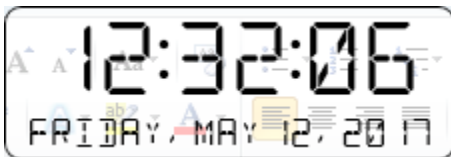
How it looks with initial default settings:

- Digital clock
- 14-segment internal font
- Show seconds
- Long date format
- White background
- Black border and font
- 100% background opacity

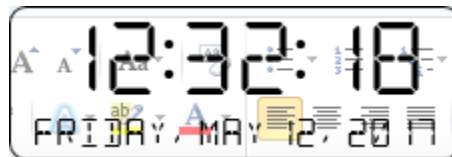


Same settings, with "Lazenby Computer" internal fonts, modeled after magnetic ink fonts used on checks

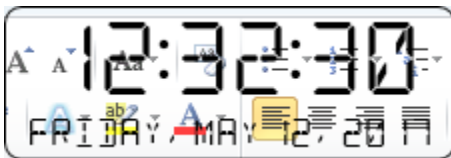
**Background opacity can be adjusted:**



75% background opacity



50% background opacity



25% background opacity



See-through mode

**A mouse-over option is available in See-through mode:**

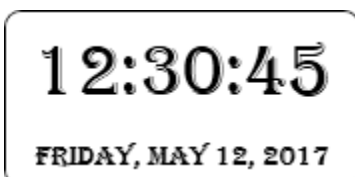


See-through mode without mouse

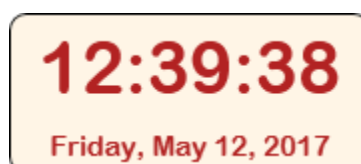


Mouse over in See-through mode

**All system fonts are available for selection:**



"Algerian" system font selected



"Arial Rounded MT" system font

The date and time formats may be changed:

1:08 PM

Fri 5/12/2017

12-hour format  
No seconds  
Short date

1:08 PM

Fri 2017-05-12

12-hour format  
No seconds  
ISO 8601 with day

1:09 PM

2017-05-12

12-hour format  
No seconds  
ISO 8601, no day

1:09 PM

12-hour format  
No seconds  
No date

An analog clock option is available:

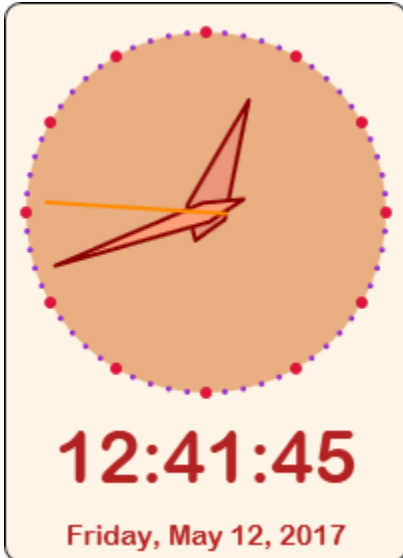


Analog only with long date format

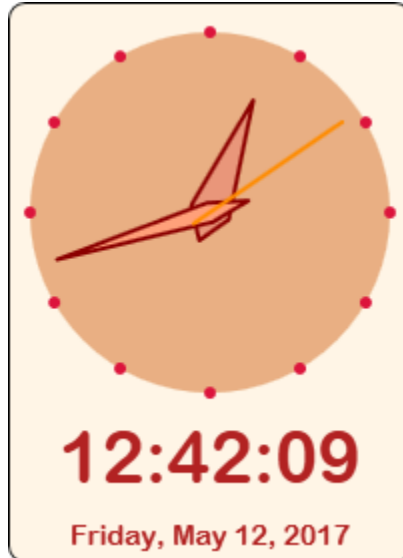


Analog and digital with long date

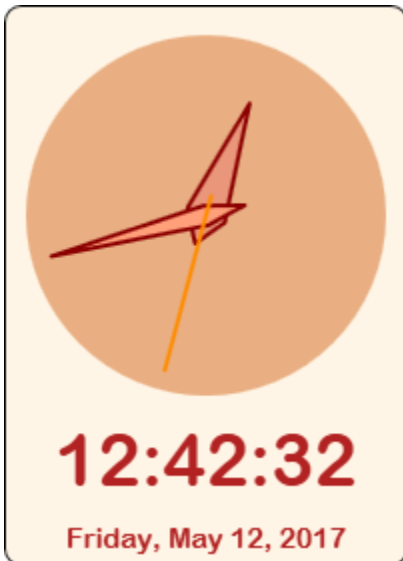
The analog clock image may be customized:



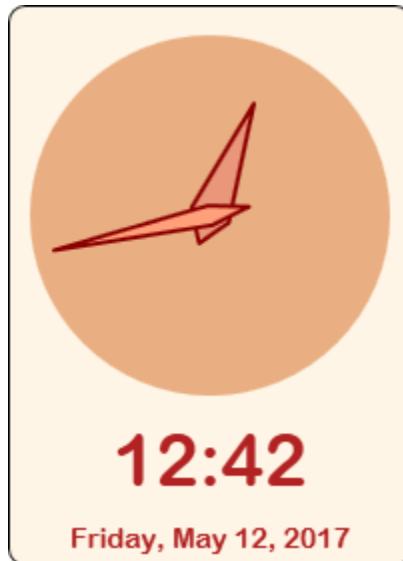
Clock face color and opacity can be adjusted as desired



Minute marks may be hidden



Hour marks may be hidden

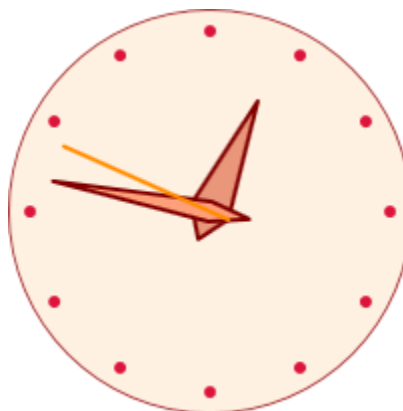


The second-hand may be hidden

When only the analog clock face is shown, the border can be round:



Round border, see-through mode



Round border, mouse-over

**The colors of the analog clock face may be changed:**



There are seven color selections available for the analog clock:

1. Clock face (with variable opacity as well)
2. Hour and minute hand outline colors
3. Hour hand fill color
4. Minute hand fill color
5. Second hand color (may also be hidden)
6. Hour mark color (may also be hidden)
7. Minute mark color (may also be hidden)

Three more color selections are available:

1. Border color (thickness and corner rounding are also adjustable)
2. Background color
3. Font color

**The user interface is through a right-click context menu. It contains all the options for adjusting the appearance to one's preferences:**

- Always on top (ctrl T), defaults to off.
- Draggable (defaults to off).
- Increase border thickness (+ key).
- Decrease border thickness (- key).
- Round border (only available when the analog clock is shown alone without the time or date).
- Increase corner radius (ctrl +).
- Decrease corner radius (ctrl -).
- Display Mode to select the display modes shown above (ctrl P cycles through them all).
- Select between 12-hour and 24-hour time formats.
- Select from all the date format options described above (ctrl D will cycle through them all).
- Copy the date, time, or both to the clipboard, either in the currently displayed format, or in the ISO 8601 format shown above.
- Select font, font style (Normal, Italic, or Oblique), and font size. The font size for the time and date may each be set separately.
- Select foreground and background colors.
- There is an option for starting the clock automatically each time Windows is started. If a theme is selected, it will be used when the clock is restarted.

**The analog clock face appearance can be adjusted:**

- The second hand can move continuously or in steps, or can be hidden.
- The hour marks can be hidden.
- The minute marks can be hidden.

**Notes about the color and font menus:**

- The colors menus all show the color in the background in each menu item. The text color has been changed for each color to stand out against the background.
- The fonts menus all show the name of the font using the font being offered in the menu.
- In the event that any font or color name is difficult to read, each font and color item has a tooltip that will display the name when the mouse is left in place over the menu item briefly.

**Several keystrokes can be used in addition to those listed above:**

- Ctrl-M toggles an option to highlight the background when the mouse moves over the window.
- Ctrl-I toggles showing an icon in the taskbar (default is off).
- Ctrl-H hides the clock and creates a systray icon. The clock can be restored by either clicking on the systray icon (at which point the icon is removed from the systray since that's its only purpose) or by launching the app again, which will reactivate the clock but not create another instance of it (unless the /m command line switch is used, described below).
- Ctrl-S toggles the option to display the seconds in the time.
- Ctrl C will copy the date and time in their currently displayed format to the clipboard as a string in a single line.

**There are options for storing themes, which save all current settings under a user-defined theme name:**

- Add new theme with a theme name.
- Load a previously defined theme.
- Delete a previously defined theme; there will be a prompt to verify the intention to do this.
- Save any changes made to the theme in use.
- Restore the last-saved theme settings to override any changes made after loading it.

**There are menu options for managing the saved settings:**

- Restore last-saved settings (this will override the theme last loaded).
- Save current settings (does not affect the theme, if one was loaded).
- Save settings and close the app (also does not affect any theme loaded).
- Close the app without saving the settings.
- There is also an option for shutting down the clock and removing the registry settings (to make it easy to uninstall by closing the clock with this option and then deleting the WpfClock exe).

All of these settings are stored in the registry; the clock doesn't ever write a file to the system. The settings are saved when the clock is shut down.