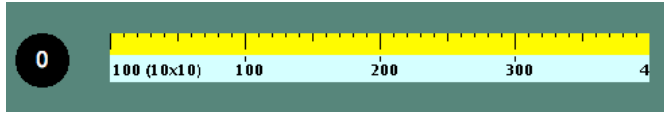# Pixel Scale

Version 2.0   14 February 2007

Summary

Pixel Scale is a screen ruler and planimeter.
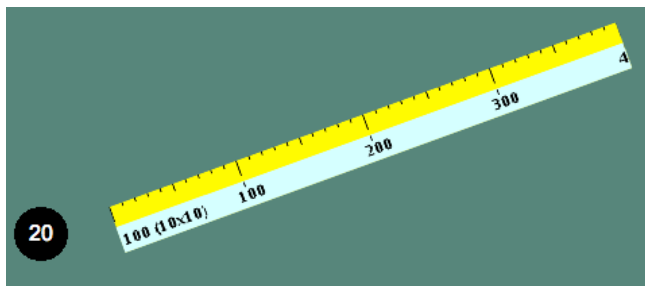
Description

This help file describes the ruler functions. There is separate help file which describes the planimeter functions.

Pixel Scale is a screen ruler with **major scale divisions** at **40, 96** or **100 pixels**.

It can also be set so that the **major scale divisions** are at **one centimeter** or **one inch** intervals.

Double-click the ruler to cycle around the **40, 96** and **100 pixel** modes, or around the **one centimeter** and the various **one inch** modes.

The ruler can be rotated to any angle - click-down on the button and drag left or right to rotate the ruler.

The ruler can be rotated to the 0, 90, 180 and 270 degree positions by clicking the button with the **shift key** pressed.

The length of the ruler can be changed - click-down on the button with the **alt key** pressed and drag left or right to alter the length of the ruler.

In the **one centimeter** and **one inch** modes, the scaling can be adjusted by up to plus or minus one percent - click-down on the button with the **shift+alt keys** pressed and drag left or right to alter the scaling/calibration of the ruler.

The various settings can also be changed via the preference panes.

This version also has four architect's scales, based on the inch scales:

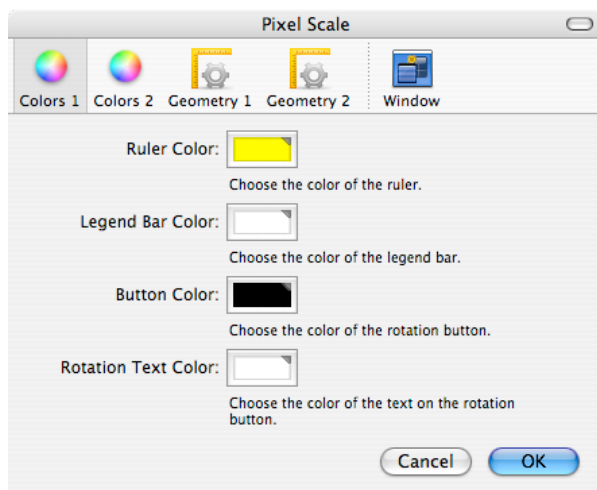one-quarter-inch-to-the-foot (1:48)
three-sixteenths-inch-to-the-foot (1:64)
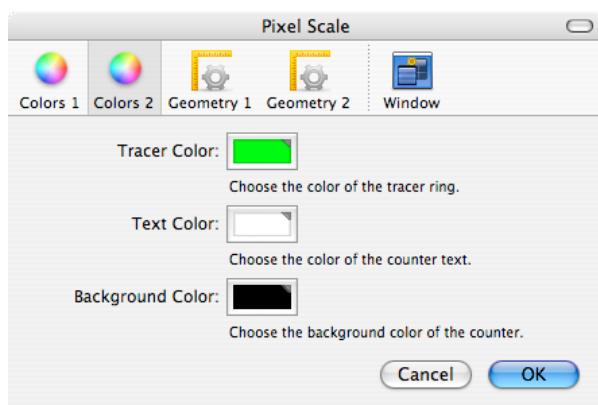one-eighth-inch-to-the-foot (1:96)
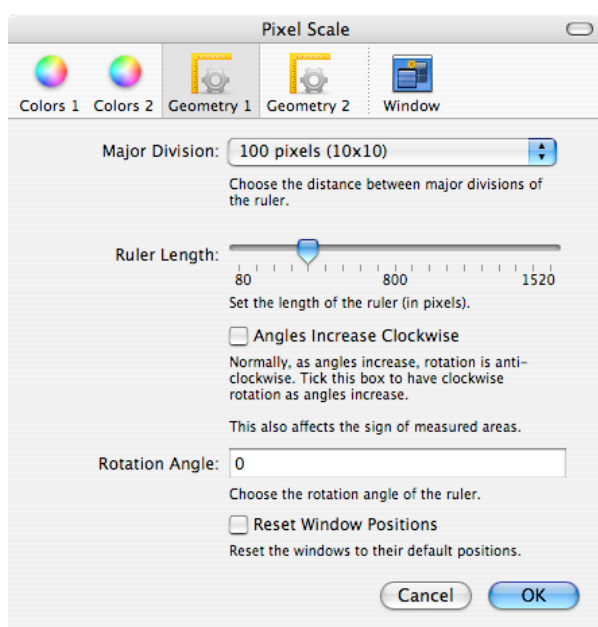three-thirty-seconds-inch-to-the-foot (1:128)
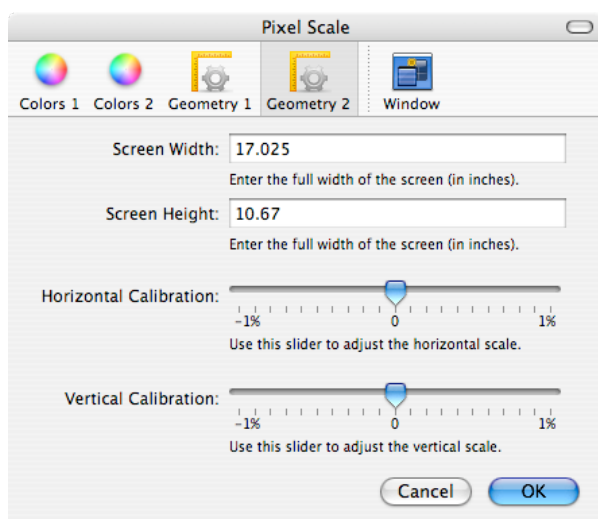
Preferences

Colors 1 (for the ruler)
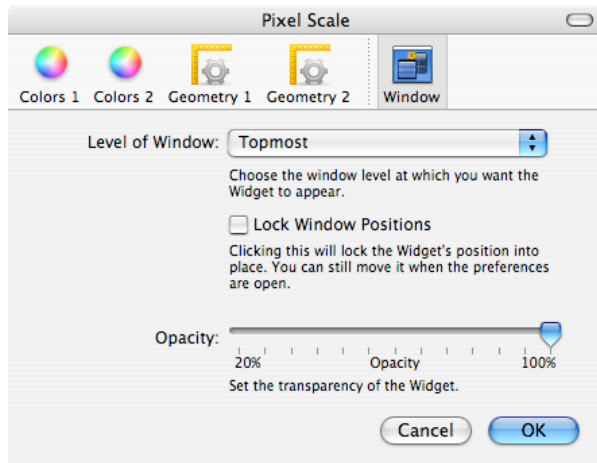
Colors 2 (for the planimeter)

Geometry 1

Geometry 2

To achieve correct scaling of the centimeter and inch scales, the user must enter correct values for the Screen Width and Screen Height. These can be acquired by measuring the screen with a tape measure. The Widget initially obtains information from the operating system, but some systems do not provide correct resolution data, which results in incorrect screen size data.

The calibration sliders allow for an adjustment of up to plus or minus one percent. If that is not enough to achieve exact calibration of the centimeter and inch scales, the user should change the Screen Width and Screen Height fields a little until correct calibration is achieved.

Window

Widget Coding and Documentation

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Credits

About-box and license window graphics by Ricky Romero.