Chromaticity	White Point	Display Gamma
Adobe RGB 1998	D65	2.2
Apple RGB	D65	1.8
CIE RGB	Standard E	2.2
EBU/PAL	D65	2.2 or 1.9 (see comments)
Eizo 660T	9300K or 6500K	use `Calibrate...`
NTSC	Standard C	2.2
P22-EBU	D50	1.8
PhotoCD (=EBU/PAL)	D65	2.2
SMPTE	D65	try 2.2
sRGB	D65	2.2
Nec 3D	7800K	use `Calibrate...`
ViewSonic 17	9300K ViewSonic 17	use `Calibrate...`
Wide Gamut RGB 700/525/450nm	D50	2.2

Table 6.1: Useful `Monitor Color`, `White Point` and `Display Gamma` combinations.

In the middle of the window you can select the monitors color and white point. All you need is the RGB CIE x,y coordinates of your source color chromaticities, and the CIE x,y white point. These values are usually available from your monitor distributor or manufacturer. ICS already incorporates values for many monitors. Please note that often monitor manufacturers or manuals refer to the white point as color temperature measured in degree Kelvin[1].

Instead of selecting your monitor, you might select the values for a certain standard. For instance, you can color correct scans for the popular sRGB created by MicroSoft and Hewlett Packard.

It is recommended to select `sRGB` with `D65` and a `Display Gamma` of 2.2 if you want to color correct images for large number of users (Web publishing). Note that the PAL standard usualy is described with a gamma close to 2.2. Because of the larger offset used by the standard compared to ICS, you should lower the gamma to 1.9 in ICS in order to avoid to bright images for PAL.

Table 6.2 shows some used settings in practice.

The `Display Gamma` slider describes the gamma function of your color display or the standard used.

In case you don't know your monitors gamma function, click on `Calibrate` and the window shown in figure 6.3 appears. Using this feature is very easy. The window contains a large rectangle with a checkerboard pattern. A smaller, solid, rectangle is inside the larger one. Your task is to slide the slider until both rectangles are perceived as equal in luminance (it may help if you squint your eyes).

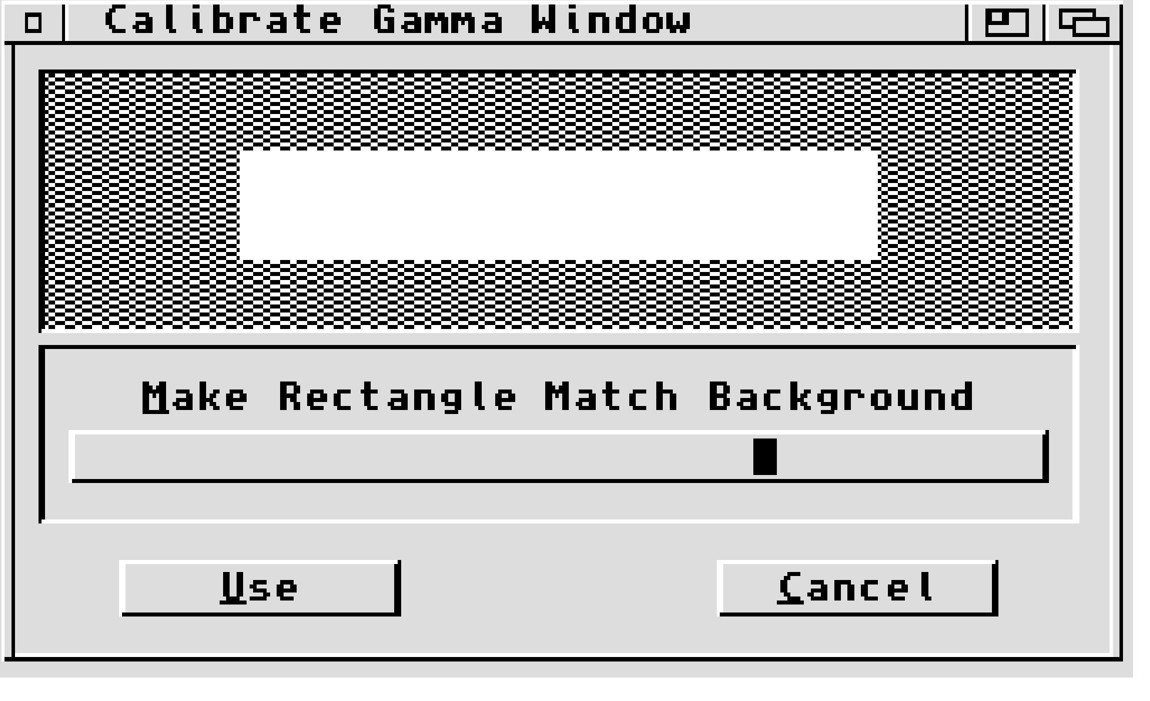

Figure 6.3: Determine your monitor's gamma function.

[1] Most monitors offer 6500 and 9300 degree Kelvin.