



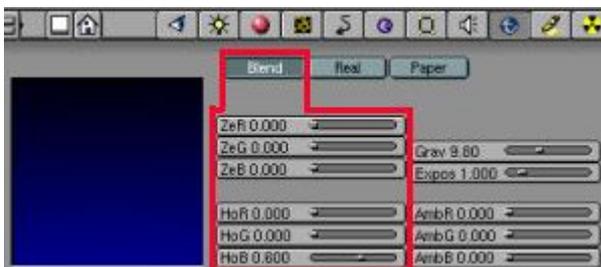
## The 'World' buttons within Blender

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### Step 2:

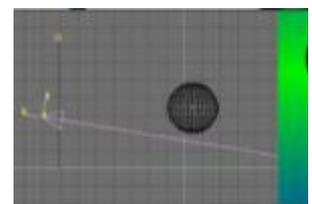
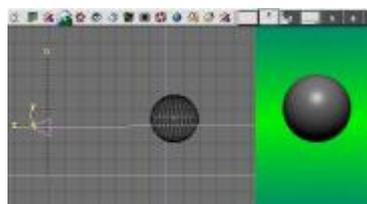
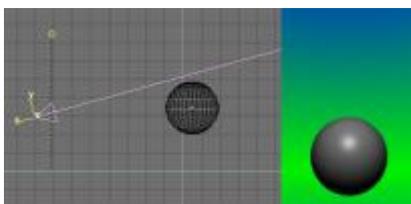


#### Colors and general parameters:

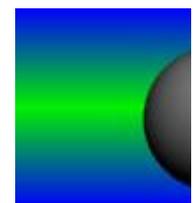
The 'Blend' button: When it is set 'on', the two colors. The first three sliders (Ze) control the Zenith, while the three next sliders control the Horizon color. Blender automatically interpolates based upon these two colors between the

horizon. If you make use of textures, 'Ze' and 'Ho' colors can mix with the textures. A shadow would be cast on the ground. This method is mainly used when you have objects in space rather than objects stuck into the ground. Furthermore, during an animation, the scene can have a strange behavior when you use it along with a 'terrestrial' scene.

Used along with the 'Blend' button, the 'Real' button is used to relocate the horizon to the location of the camera. Blender seems to behave strangely about this. Set this button and the 'Ze' and 'Ho' colors will switch if the camera points up or down. Just try making the camera angular positions to see this by yourself, or check the pics below...



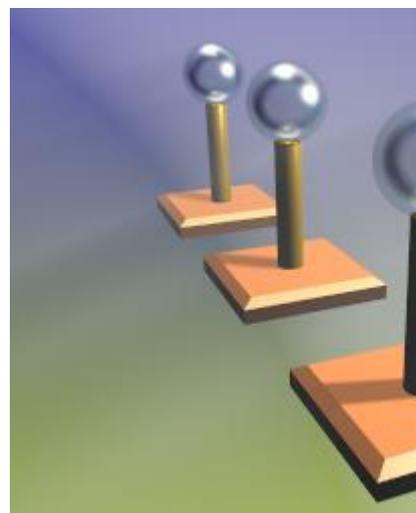
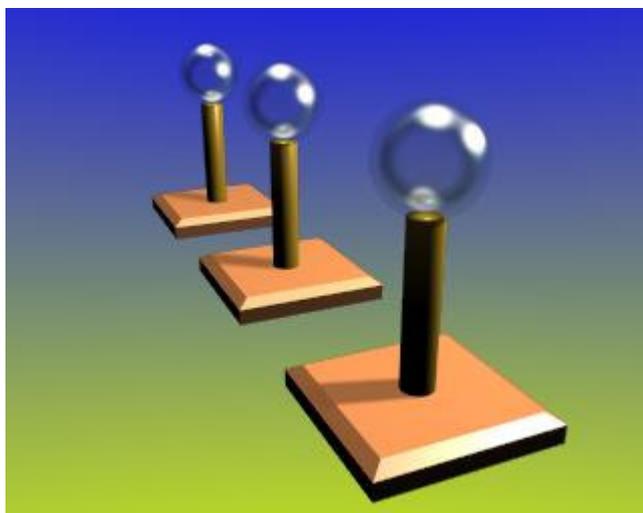
The 'Paper' button will set the horizon line at the center of the screen, whatever is the current Location/Rotation of the camera. Used along with the 'Blend' and 'Real' buttons, you could get something like this.



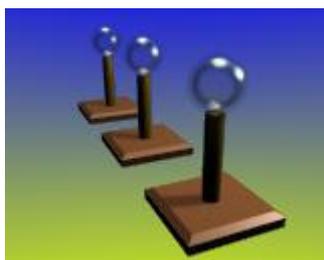
When the 'Blend' button is set 'off', 'World' is given the color set by the three Ho (Horizon) sliders. It is safer to set to 0 the three Ze (Zenith) sliders and to forget about the 'Real' and 'Paper' buttons which then will make sense

along with textures instead of colors.

The following two examples intend to show (on the left) that shadows don't mess w environment set, while it's not the case when using Halos (on the right).



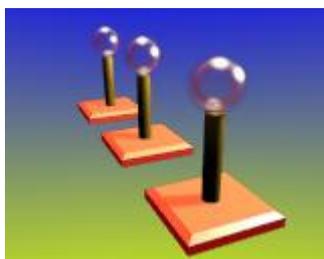
### The sliders:



Grav: (Gravity). This setting is to be used with the 'physics' engine made for Game Blender. This gives you control over how much objects are attracted by the ground.

Expos: (Exposition). Sets the global exposure of the scene. The two thumbnails show an example with an 'Expos' set to 0.5 (left) and to 2.0 (right). The

default value is 1.0.



Amb: (Ambiant). With this slider you can set an ambient color to the scene. This option is linked to the slider with the same name in the Material Buttons (F5). This has no effect on the scene while:

The three sliders are set to 0.  
The slider with the same name in the Material Buttons is set to 0 (the default value is 0.5).

On the left thumbnail, the red 'Amb' slider is set to the maximum in the 'World' buttons, and the slider in the 'Material' buttons is set to 0 for the cylinder. On the right thumbnail, the setting is same except for the 'Amb' slider that is set to the maximum.

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