

## BCC Color Match Filter

BCC Color Match simplifies the process of matching the color or luma values of two clips in the timeline. For instance, if two clips with different lighting conditions are spliced together, the color and luma values will differ between the clips. Match Color automates the process of removing or balancing the difference between the two clips by setting color or luma values for the quarter, mid and three-quarter areas of the image.



Original image



Filtered image (and matched target clip)



Ideally, you want to view both the Source and Target clips so that you can sample colors.

The **Quality menu** sets the quality of the effect. The choices are *Faster* or *Smoother*. Smoother uses an algorithm which produces a better result but takes twice as long to render.

The **View menu** is a preview control that determines what type of output is displayed.

- **Normal** displays the filtered source image. Choose this option before rendering.
- **Highlight** displays the source image's highlights as a black and white mask. White areas indicate pixels that are highlights. Black areas indicate pixels that are not in the highlight zone; gray areas indicate pixels that are partially in the highlight zone.
- **Midtone** displays the source image's midtones as a black and white mask. White areas indicate midtones. Black areas indicate pixels that are not in the midtone zone; gray areas indicate pixels that are partially in the midtone zone.
- **Shadow** displays the source image's shadows as a black and white mask. White areas indicate pixels that are shadows. Black areas indicate pixels that are not in the shadow zone; gray areas indicate pixels that are partially in the shadow zone.
- **HMS Colorized** displays the three zones using three colors, so you can quickly tell which areas of the image are in which zone. Red indicates highlights, blue indicates shadows and green indicates midtones.

The **Master Level** parameter allows you to adjust all three Level parameters with a single control after you adjust individual Highlight, Midtone and Shadow Levels. The Level controls affect how much the source luminance is changed to match the target luminance.

The **Master Color** parameter allows you to adjust all three Color parameters with a single control after you adjust individual Highlight, Midtone and Shadow Colors. The Color controls affect how much the source colors are changed to match the target colors

**Highlight Source, Midtone Source** and **Shadow Source** select the source color for the highlight, midtones and shadows that you want to match between the source and the target. The source is the filtered clip.

**Highlight Target, Midtone Target** and **Shadow Target** select the target color for the highlight, midtones and shadows that you want to match between the source and the target. The target is the clip whose color you are sampling.

The **Highlight Level, Midtone Level** and **Shadow Level** controls affect how much the source luminance is changed to match the target luminance. At a value of 0, the image is unaffected by the filter. If the luminance of the two samples (source and target) is the same, this parameter has no affect.

The **Highlight Color, Midtone Color** and **Shadow Color** parameters affect how much the source colors are changed to match the target colors. At a value of 0, the image is unaffected by the filter.

The **Highlight/Midtone Bias** and **Midtone/Shadow Bias** parameters control the crossover points between the three zones. In other words, the level that distinguishes highlight from midtone, or midtone from shadow.

**Mix with Original** blends the source and filtered images. Use this parameter to animate from the unfiltered to the filtered image without adjusting other settings, or to reduce the affect by mixing with the source image. At a value of 0, the image is unaffected by the filter.

### **Motion Tracker Parameter Groups**

The Motion Tracker parameter group allows you to track the motion of an object, then use the motion path data to control another aspect of the effect.

### **The PixelChooser Parameter Group**

The PixelChooser is included in many Boris filters and provides several methods to selectively filter an image.



For more information on the PixelChooser, see Chapter 10, “The PixelChooser” in the User Guide, or open the help file for the standalone PixelChooser filter.