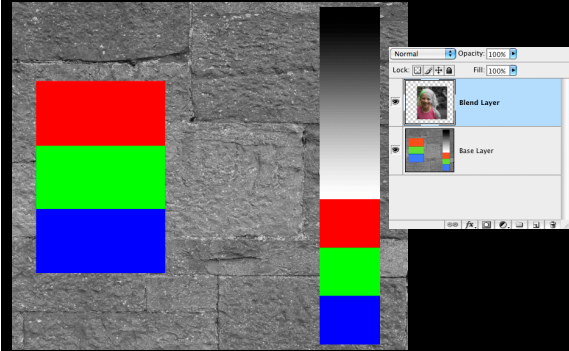


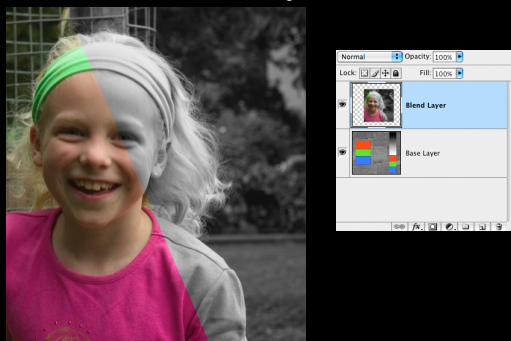
# Photoshop Layers

## Opacity & Blending Modes

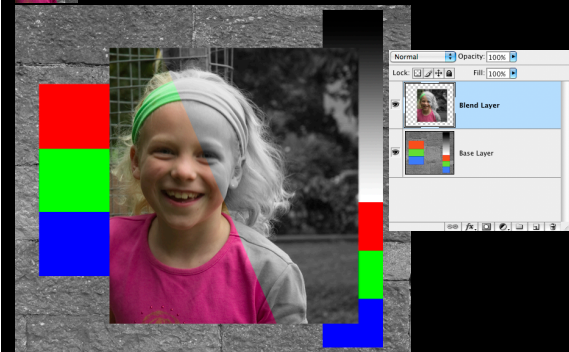
### Base Layer



### Blend Layer

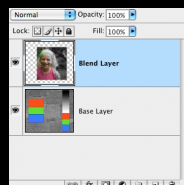


### Normal Mode

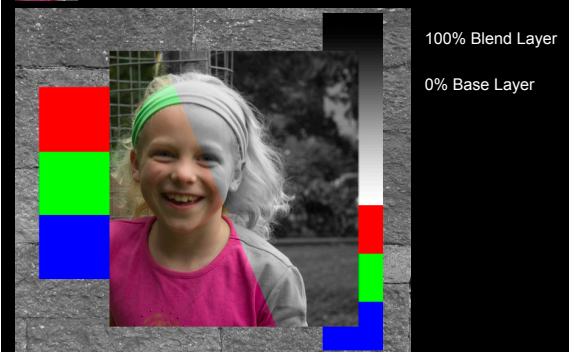


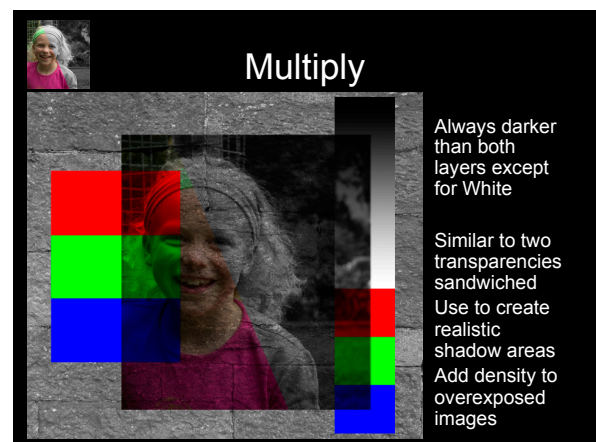
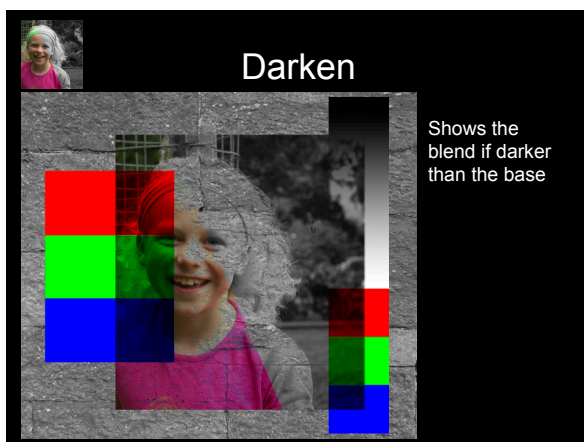
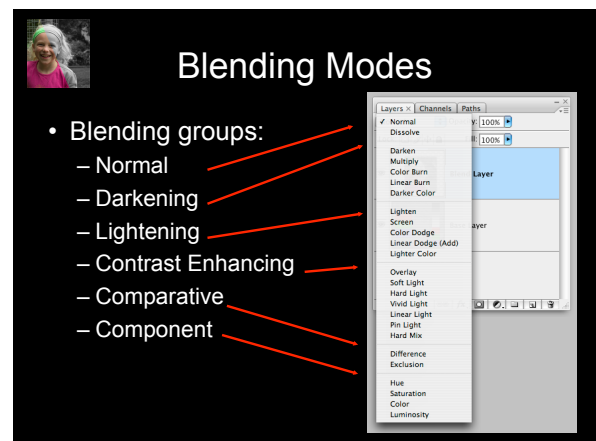
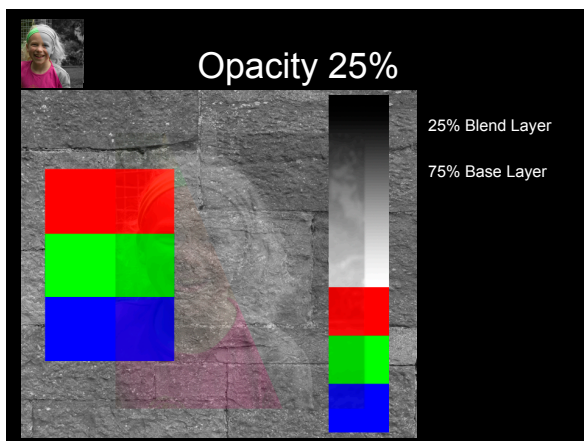
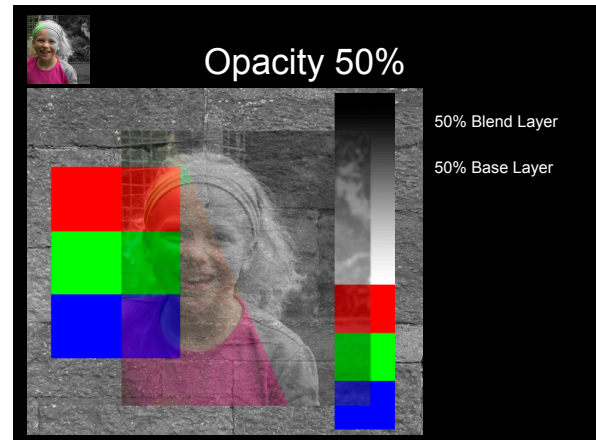
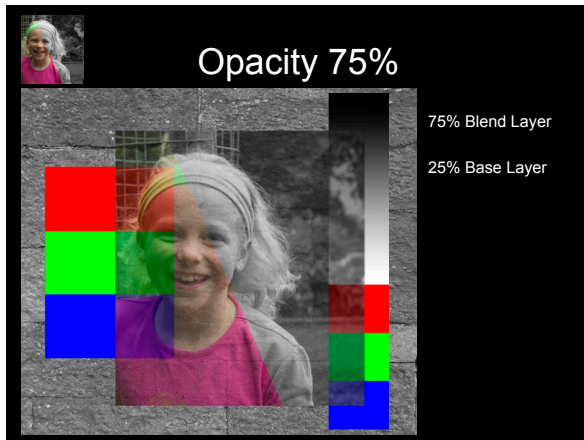
### Opacity Levels

- Opacity level
  - Opacity is set in the Blend Layer
  - Percentage of Blend Layer compared to Base Layer
  - Only applies where both layers overlap

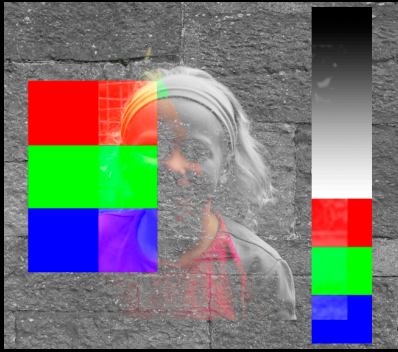


### Opacity 100%





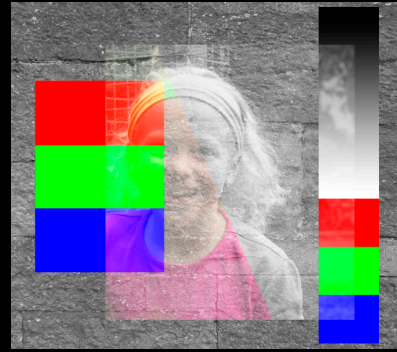
## Lighten



Shows the blend if lighter than the base

The image shows a woman's face on a stone wall background. A 3x3 grid of colored squares (red, green, blue, cyan, magenta) is overlaid on the left. A vertical grayscale bar is on the right. The 'Lighten' mode results in the lighter colors of the grid being visible over the background, while darker colors are transparent.

## Screen




Always lighter than both layers except for Black

Similar to two negatives sandwiched

The image shows the same woman and background. The 'Screen' mode inverts both the grid and the background, then multiplies them. The result is a lighter, high-contrast image where the grid's colors are inverted and blended with the inverted background.

## Overlay



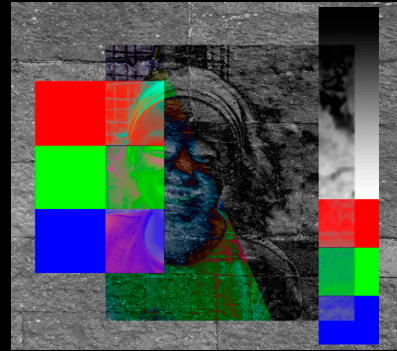
Base values less than 128 multiply

Base values greater than 128 screen

White & Black are unchanged

The image shows the woman and background. The 'Overlay' mode uses the base image's luminance to determine whether to multiply or screen the grid. The result shows the grid's colors blended with the background's luminance, with white and black areas remaining unchanged.

## Difference



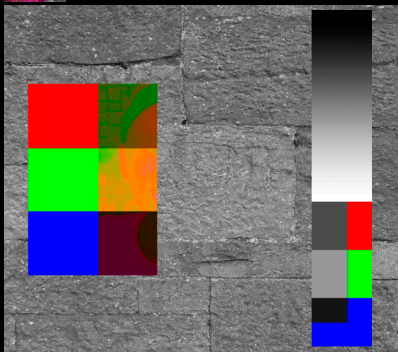
Returns Black where the two layers are the same

Otherwise inverts the difference between the layers

Use to pin register layers or compare differences

The image shows the woman and background. The 'Difference' mode subtracts the base image from the grid (or vice versa). Areas where the colors are the same become black, while other areas show the inverted difference between the two layers.

## Hue

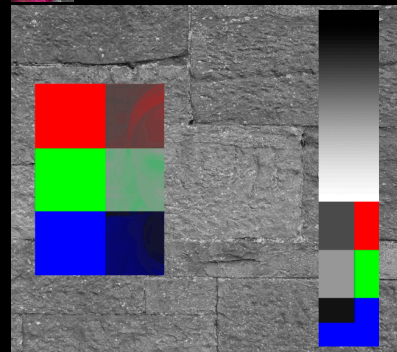


Replaces with the hue values of the blend

Preserves the luminance & saturation of the base

The image shows the woman and background. The 'Hue' mode replaces the hue of the base image with the hue of the grid, while preserving the base's luminance and saturation. The result shows the grid's colors mapped onto the base's luminance and saturation.

## Saturation



Replaces with the saturation values of the blend

Preserves the luminance & hue of the base

The image shows the woman and background. The 'Saturation' mode replaces the saturation of the base image with the saturation of the grid, while preserving the base's luminance and hue. The result shows the grid's saturation mapped onto the base's luminance and hue.

