



Tech Support Documents

Topic: Rendering Intents

ST61300

Rendering Intents

Perceptual

This intent is best for photographic images. The relationship between colors in the original is scaled proportionally to fit the output device's color gamut.

Relative Colorimetric

This intent is best for images, such as logos, where the original needs to exactly match the output. Colors that fall outside of the output device's gamut are converted to colors at the edge of the gamut. Colors that fall inside the output device's gamut are shifted so that they do not exactly match colors that were originally outside the gamut. This may reduce the total number of colors available. For this reason, this intent should only be used when there are relatively few colors in an image.

Absolute Colorimetric

This intent is best for images that are inside the output device's gamut. Colors that fall outside of the output device's gamut are converted to colors at the edge of the gamut. Colors that fall inside the output device's gamut are not shifted so that may print the same color as colors that were originally outside the gamut. For this reason, this intent should only be used when there are relatively few colors in an image.

Saturation

This intent is best for images where true color matching is not as important as vivid colors. Colors outside of the output device's gamut are converted to colors within the same saturation but with a different lightness. This intent may be used to boost colors within a photographic image.

Spot

This intent is best for use with Pantone colors, devices with spot colors and vector images. This intent, which produces the greatest saturation possible, should only be used with non-photographic images.

Disclaimer: All of the information contained in this document is based on the information available at the time of its creation. In no event will Roland DGA Corporation be liable to you for any damages, including damages for loss of business profits, business interruption, loss of business information and the like arising out of the use of or inability to use these materials.