

See Also

[GraffitiColors.Bootstrap](#)
[GraffitiColors.MacOS](#)
[GraffitiColors.Material](#)
[GraffitiColors.Named](#)
[GraffitiColors.Palettes](#)
[GraffitiColors.SystemAware](#)
[GraffitiColors.Windows](#)

Enumerations

Name	Values
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This class exposes no enumerations.

Constants

Name	Type	Value
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This class exposes no constants.

Events

Definition	Description
	This class exposes no events.

Methods

Definition	Description
Blend(background as Color, foreground as Color) as Color	Blends two colors together by overlaying foreground onto background then returning the resulting mix.
Brighten(c as Color, DeltaPercent as Integer) as Color	Brightens a color by modifying each constituent RGB value by DeltaPercent.
Complement(c as Color) as Color	Returns a color whose hue is calculated to complement the passed value.
ComplementReadable(c as Color) as Color	Returns the readable complement of the passed value. Return is black or white.
Darken(c as Color, DeltaPercent as Double) as Color	Darkens a color modifying its brightness (Color.Value in Xojo).
DarkerColor(color1 as Color, color2 as Color) as Color	Returns the darker of the two passed colors.
Desaturate(c as Color, DeltaPercent as Double) as Color	Desaturated the passed color by DeltaPercent.
FromHex(hexValue as String) as Color	Parses a HEX-3, HEX-6, or HEX-8 value to a Xojo Color object.
GetBrightness(c as Color) as Double	Returns the double-value brightness for the specified color.

Definition	Description
GetContrast(color1 as Color, color2 as Color) as Double	Returns the double-value contrast difference between two colors.
GetDistance(color1 as Color, color2 as Color) as Double	Returns the cartesian distance between two colors.
GetLuminance(c as Color) as Double	Returns the calculate luminance of the color.
Hue(c as Color, DeltaPercent as Color) as Color	Returns the passed color value with altered hue.
Invert(c as Color) as Color	Inverts the passed color.
IsDark(c as Color) as Boolean	Returns True if the color's calculated brightness is less than 128.
IsLight(c as Color) as Boolean	Returns True if the color's calculated brightness is greater than 128.
IsReadableLarge(color1 as Color, color2 as Color) as Boolean	Returns True if text using one color as the background and the other as foreground is readable.
IsReadableMedium(color1 as Color, color2 as Color) as Boolean	
IsReadableSmall(color1 as Color, color2 as Color) as Boolean	
Lighten(c as Color, DeltaPercent as Double) as Color	Lightens the specified color by DeltaPercent.
LighterColor(color1 as Color, color2 as Color) as Color	Returns the lighter of the two passed colors.
Mix(color1 as Color, color2 as Color) as Color	Mixes the two colors together.
Monochromatic(c as Color) as Color	Returns a monochrome version of the color.
MostReadable(c as Color, compare() as Color) as Color	Returns the most readable complement color from the array.
MostReadable(c as Color, ParamArray compare as Color) as Color	
NamedClosest(c as Color) as Dictionary	Returns a Dictionary object containing the "name" and "value" keys for the closest Named color to the one specified.
Saturate(c as Color, DeltaPercent as Double) as Color	Returns a saturation-altered value of the passed color.
toHex(c as Color) as String	Returns a HEX string of the color's RGB values.
toHex8(c as Color) as String	Returns a HEX8 string of the color's RGBA value.
toRGBAStringWeb(c as Color) as String	Returns a web-compatible RGBA string representation of the color.
toRGBAStringXojo(c as Color) as String	Returns a Xojo-compatible RGBA string representation of the color.
toRGBString(c as Color) as String	Returns an RGB string representation of the color.

Properties

Name	Type	Default Value	Description
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This class exposes no properties.

Examples

This class currently has no examples.

Notes

This class currently has no notes.

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