Converting Colors

RYB(159, 212, 77)

Have a look what the booklet for RYB(159, 212, 77) contains.

Color

RYB(159, 212, 77)

Conversions

Conversions Part 1

Format	Color
Hex	D4A14D
RGB	212, 161, 77
RGB Percent	83%, 63%, 30%
CMY	0.1686, 0.3687, 0.6980
CMYK	0.00, 0.24, 0.64, 0.17
HSL	37°, 61%, 57%
HSV	37°, 64%, 83%
XYZ	41.2334, 40.0178, 12.5721
YIQ	166.6730, 57.3600, -15.3120

Conversions

Conversions Part 2

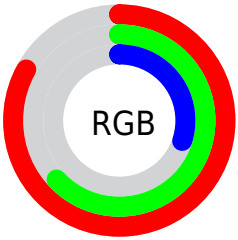
Format	Color
RYB	159, 212, 77
Decimal	13934925
CIELab	69.48, 10.05, 49.99
CIELCh	69, 50.993, 78.635
Yxy	40.0178, 0.4395, 0.4265
Android (android.graphics.Color)	4292125005 (0xFFD4A14D)
YUV	166.6730, -44.2088, 39.7518
Hunter-Lab	63.2596, 5.6442, 32.4985

Details

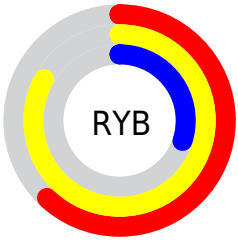
The RYB color 159, 212, 77 is a light color, and the websafe version is hex CC9933. The color can be described as light muted orange. A complement of this color would be 77, 114, 212, and the grayscale version is 167, 167, 167.

A 20% lighter version of the original color is 185, 255, 129, and 92, 154, 25 is the 20% darker color. If you saturate the color by 10%, you get 151, 212, 56, and if you desaturate by 10%, it is 167, 212, 98.

Distribution

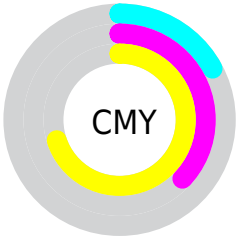


- Red (83%)
- Green (63%)
- Blue (30%)



- Red (62%)
- Yellow (83%)
- Blue (30%)

- Cyan (0%)
- Magenta (24%)
- Yellow (64%)
- Black (17%)



- Cyan (17%)
- Magenta (37%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 212, 77 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 159, 212, 77 by changing the saturation by 10% instead.

159, 212, 77	159, 212, 77
255, 255, 255	128, 183, 52
185, 255, 129	92, 154, 25
168, 255, 156	59, 125, 0
183, 255, 183	57, 98, 0
211, 255, 211	52, 71, 0
240, 255, 240	45, 36, 0
	18, 0, 0
	0, 0, 0

159, 212, 77	159, 212, 77

151, 212, 56

143, 212, 35

133, 212, 13

128, 212, 0

167, 212, 98

175, 212, 119

185, 212, 141

193, 212, 162

201, 212, 183

209, 212, 204

212, 216, 225

212, 221, 247

212, 226, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

243, 162, 102

159, 212, 77

78, 176, 85

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

159, 212, 77

0, 98, 198

209, 146, 231

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

159, 212, 77

77, 114, 212

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

144, 161, 255

159, 212, 77

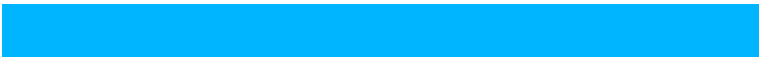
0, 105, 238

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

159, 212, 77

15, 115, 192



0, 106, 255

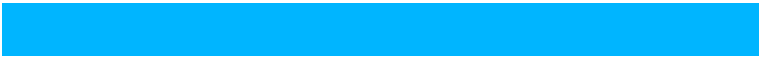
246, 133, 189

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

159, 212, 77

95, 184, 145



0, 106, 255

191, 152, 242

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

159, 212, 77

236, 255, 207

212, 77, 129

118, 128, 98

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

159, 212, 77

178, 255, 61

77, 212, 93

102, 107, 96

105, 171, 0

25, 43, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

77, 114, 212

61, 114, 255

93, 77, 212

96, 99, 107

0, 47, 171

0, 12, 43

Previews

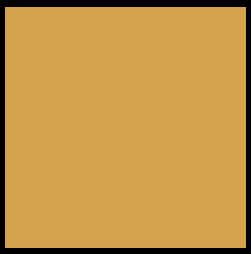
White Background

This preview shows how the RYB color 159, 212, 77 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



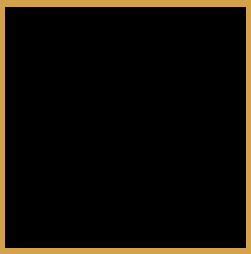
This preview shows how the RYB color 159, 212, 77 looks on a black background.

Color Contrast Check

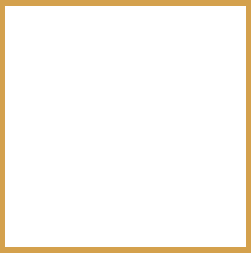
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 159, 212, 77 Background



This preview shows how black text looks on a background with the RYB color 159, 212, 77.



This preview shows how white text looks on a background with the RYB color 159, 212, 77.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

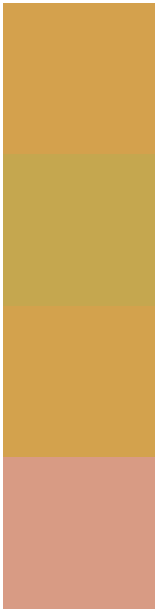
Original Color
159, 212, 77

Protanopia
102, 188, 80

Deuteranopia
152, 210, 77

Tritanopia
219, 152, 163

Trichromacy



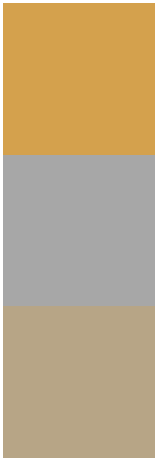
Original Color
159, 212, 77

Protanomaly
119, 197, 79

Deuteranomaly
154, 211, 77

Tritanomaly
216, 164, 132

Monochromacy



Original Color
159, 212, 77

Achromatopsia
167, 167, 167

Achromatomaly
162, 183, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 212, 77 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(212, 161, 77) looks like.

```
.text, #text, p{
    color:rgb(212, 161, 77)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(212, 161, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 161, 77) }
```

Border

The CSS property to change the border of an element to RYB 159, 212, 77 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 161, 77) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(212, 161, 77) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(212, 161, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 161, 77); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 161, 77); box-shadow:4px 4px 4px 4px rgb(212, 161, 77) }
```

Background

The CSS property to change the background color of an element to RYB 159, 212, 77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(212, 161, 77) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(212,
161, 77) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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