

Converting Colors

R_{YB}(159, 205, 75)

Have a look what the booklet for
RYB(159, 205, 75) contains.

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Color

$\text{RYB}(159, 205, 75)$

Conversions

Conversions Part 1

Format	Color
Hex	CD9A4B
RGB	205, 154, 75
RGB Percent	80%, 60%, 29%
CMY	0.1961, 0.3962, 0.7059
CMYK	0.00, 0.25, 0.63, 0.20
HSL	36°, 57%, 55%
HSV	36°, 63%, 80%
XYZ	37.9978, 36.5891, 11.7163
YIQ	160.2430, 55.7550, -13.7570

Conversions

Conversions Part 2

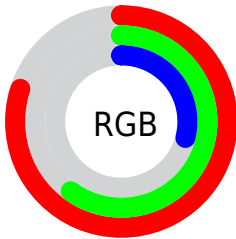
Format	Color
R _{YB}	159, 205, 75
Decimal	13474379
CIE Lab	66.97, 10.72, 47.92
CIE LCh	67, 49.104, 77.394
Yxy	36.5891, 0.4403, 0.4240
Android (android.graphics.Color)	4291664459 (0xFFCD9A4B)
YUV	160.2430, -42.0248, 39.2519
Hunter-Lab	60.4889, 6.2742, 30.8582

Details

The RYB color **159, 205, 75** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **75, 112, 205**, and the grayscale version is **161, 161, 161**.

A 20% lighter version of the original color is **200, 255, 126**, and **93, 147, 24** is the 20% darker color. If you saturate the color by 10%, you get **152, 205, 55**, and if you desaturate by 10%, it is **167, 205, 96**.

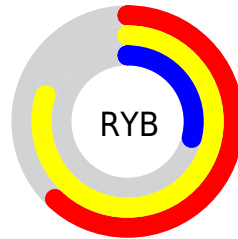
Distribution



Red (80%)

Green (60%)

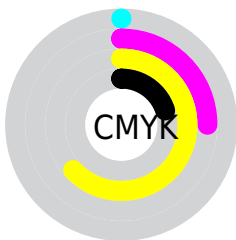
Blue (29%)



Red (62%)

Yellow (80%)

Blue (29%)

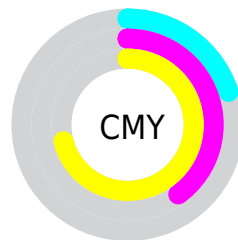


Cyan (0%)

Magenta (25%)

Yellow (63%)

Black (20%)



Cyan (20%)
















Magenta (40%)


Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 205, 75 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, 205, 75 by changing the saturation by 10% instead.

 159, 205, 75	 159, 205, 75
 255, 255, 255	 128, 176, 50
 200, 255, 126	 93, 147, 24
 176, 255, 153	 60, 119, 0
 181, 255, 181	 59, 92, 0
 209, 255, 209	 56, 65, 0
 237, 255, 237	 39, 24, 0
	 0, 0, 0

 159, 205, 75	 159, 205, 75
 152, 205, 55	 167, 205, 96

144, 205, 34

174, 205, 116

137, 205, 14

182, 205, 137

131, 205, 0

188, 205, 157

197, 205, 178

203, 205, 198

205, 209, 219

205, 214, 239

205, 220, 255

Harmonies

Analogous

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



234, 153, 100



159, 205, 75



75, 169, 80

Triad

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



159, 205, 75



0, 93, 188



199, 141, 223

Complementary

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



159, 205, 75



75, 112, 205

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.



136, 155, 247



159, 205, 75



0, 101, 227

Square

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



159, 205, 75



29, 119, 184



0, 102, 249



235, 128, 184

Rectangle

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



159, 205, 75



90, 176, 134



0, 102, 249



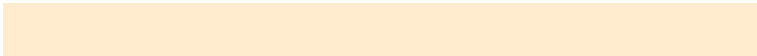
181, 147, 233

Sweetspot

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



159, 205, 75



238, 255, 207



205, 75, 127



118, 128, 98



0, 0, 0



128, 128, 128

Same Dimension

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



159, 205, 75



186, 255, 61



75, 205, 88



99, 102, 92



107, 166, 0



25, 38, 0

Inverse Universe

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



75, 112, 205



61, 116, 255



88, 75, 205



92, 95, 102



0, 47, 166



0, 11, 38

Previews

White Background



This preview shows how the RYB color 159, 205, 75 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, 205, 75 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

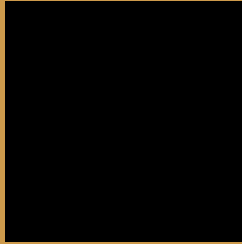
Any Text WCAG AA ✓ Pass

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](#).

RYP 159, 205, 75 Background



This preview shows how black text looks on a background with the RYB color 159, 205, 75.



This preview shows how white text looks on a background with the RYB color 159, 205, 75.

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, 205, 75

Protanopia
100, 181, 78

Deuteranopia
150, 202, 75



Tritanopia
211, 145, 156

Trichromacy



Original Color

159, 205, 75

Protanomaly

118, 190, 77

Deuteranomaly

152, 203, 75

Tritanomaly

209, 155, 127

Monochromacy



Original Color

159, 205, 75

Achromatopsia

160, 160, 160

Achromatomaly

158, 176, 129

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 205, 75 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(205, 154, 75)` looks like.

```
.text, #text, p{  
    color:rgb(205, 154, 75)  
}
```

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(205, 154, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 154, 75) }
```

Border

The CSS property to change the border of an element to RYB 159, 205, 75 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(205, 154, 75) }
```

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

```
.border{ border-color:rgb(205, 154, 75) }
```

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

Here you see how a box with a 4 pixel rgb(205, 154, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 154, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 154, 75);  
box-shadow:4px 4px 4px 4px rgb(205, 154,  
75) }
```

Background

The CSS property to change the background color of an element to RYB 159, 205, 75 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 154, 75) }
```

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

```
.background{ background-color: rgb(205,  
154, 75) }
```

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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