

Converting Colors

`RYB(83, 190, 149)`

Have a look what the booklet for
RYB(83, 190, 149) contains.

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Color

RYB(83, 190, 149)

Conversions

Conversions Part 1

Format	Color
Hex	7CBE53
RGB	124, 190, 83
RGB Percent	49%, 75%, 33%
CMY	0.5137, 0.2549, 0.6745
CMYK	0.35, 0.00, 0.56, 0.25
HSL	97°, 45%, 54%
HSV	97°, 56%, 75%
XYZ	28.2870, 41.7365, 14.7487
YIQ	158.0680, -4.9890, -47.2690

Conversions

Conversions Part 2

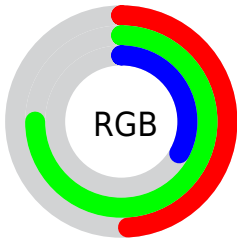
Format	Color
RYB	83, 190, 149
Decimal	8175187
CIELab	70.69, -39.83, 46.75
CIELCh	71, 61.419, 130.433
Yxy	41.7365, 0.3337, 0.4923
Android (android.graphics.Color)	4286365267 (0xFF7CBE53)
YUV	158.0680, -37.0085, -29.8776
Hunter-Lab	64.6038, -34.8999, 31.6871

Details

The RYB color **83, 190, 149** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **149, 83, 190**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **135, 247, 202**, and **31, 136, 97** is the 20% darker color. If you saturate the color by 10%, you get **64, 190, 142**, and if you desaturate by 10%, it is **102, 190, 156**.

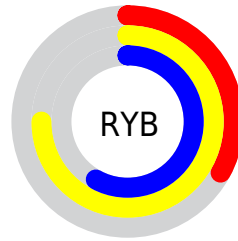
Distribution



Red (49%)

Green (75%)

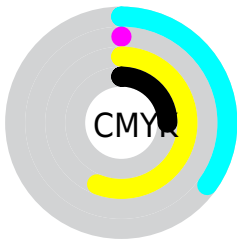
Blue (33%)



Red (33%)

Yellow (75%)

Blue (58%)

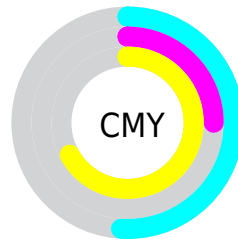


Cyan (35%)

Magenta (0%)

Yellow (56%)

Black (25%)



Cyan (51%)

Magenta (25%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 190, 149 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 83, 190, 149 by changing the saturation by 10% instead.



83, 190, 149



83, 190, 149

255, 255, 255



57, 163, 123



135, 247, 202



31, 136, 97



163, 255, 210



0, 110, 69



190, 255, 207



0, 85, 81



219, 255, 219



0, 61, 61



248, 255, 248



0, 40, 40



0, 5, 5



0, 0, 0



83, 190, 149



83, 190, 149

■ 64, 190, 142

■ 102, 190, 156

■ 45, 190, 134

■ 121, 190, 164

■ 26, 190, 127

■ 140, 190, 171

■ 7, 190, 120

■ 159, 190, 178

■ 0, 190, 117

■ 178, 190, 185

■ 194, 190, 197

■ 206, 190, 216

■ 218, 190, 235

■ 229, 190, 254

Harmonies

Analogous

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



64, 185, 54



83, 190, 149



0, 118, 198

Triad

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



83, 190, 149



0, 109, 255



255, 122, 156

Complementary

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



83, 190, 149



149, 83, 190

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.



255, 129, 212



83, 190, 149



103, 151, 255

Square

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



83, 190, 149



0, 109, 244



202, 150, 255



255, 144, 103

Rectangle

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



83, 190, 149



0, 108, 200



202, 150, 255



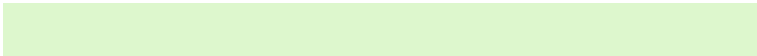
255, 122, 174

Sweetspot

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



83, 190, 149



205, 247, 231



149, 190, 83



100, 125, 115



252, 252, 252



125, 125, 125

Same Dimension

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



83, 190, 149



79, 247, 182



83, 179, 190



85, 94, 90



0, 158, 97



0, 31, 19

Inverse Universe

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



149, 83, 190



183, 79, 247



190, 83, 178



91, 85, 94



98, 0, 158



19, 0, 31

Previews

White Background



This preview shows how the RYB color 83, 190, 149 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 83, 190, 149 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 83, 190, 149 Background



This preview shows how black text looks on a background with the RYB color 83, 190, 149.

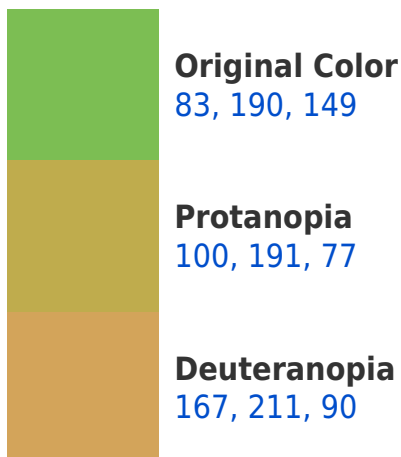


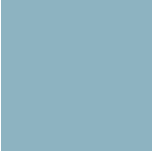
This preview shows how white text looks on a background with the RYB color 83, 190, 149.

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





Tritanopia
141, 163, 193

Trichromacy



Original Color
83, 190, 149



Protanomaly
79, 179, 91



Deuteranomaly
93, 179, 87

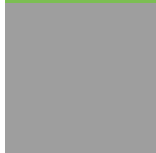


Tritanomaly
135, 169, 182

Monochromacy



Original Color
83, 190, 149



Achromatopsia
158, 158, 158



Achromatomaly
131, 170, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 190, 149 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(124, 190, 83)` looks like.

```
.text, #text, p{  
    color:rgb(124, 190, 83)  
}
```

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(124, 190, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 190, 83) }
```

Border

The CSS property to change the border of an element to RYB 83, 190, 149 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(124, 190, 83) }
```

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

```
.border{ border-color:rgb(124, 190, 83) }
```

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

Here you see how a box with a 4 pixel rgb(124, 190, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 190, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 190, 83);  
box-shadow:4px 4px 4px 4px rgb(124, 190,  
83) }
```

Background

The CSS property to change the background color of an element to RGB 83, 190, 149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 190, 83) }
```

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

```
.background{ background-color: rgb(124,  
190, 83) }
```

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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