

Converting Colors

`RYB(83, 199, 150)`

Have a look what the booklet for
RYB(83, 199, 150) contains.

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Color

R_YB(83, 199, 150)

Conversions

Conversions Part 1

Format	Color
Hex	84C753
RGB	132, 199, 83
RGB Percent	52%, 78%, 33%
CMY	0.4824, 0.2196, 0.6745
CMYK	0.34, 0.00, 0.58, 0.22
HSL	95°, 51%, 55%
HSV	95°, 58%, 78%
XYZ	31.5005, 46.3769, 15.4750
YIQ	165.7430, -2.6960, -50.2800

Conversions

Conversions Part 2

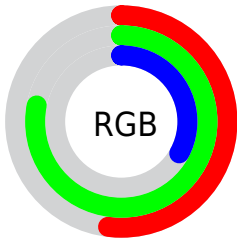
Format	Color
RYB	83, 199, 150
Decimal	8701779
CIELab	73.79, -41.01, 50.44
CIELCh	74, 65.004, 129.113
Yxy	46.3769, 0.3374, 0.4968
Android (android.graphics.Color)	4286891859 (0xFF84C753)
YUV	165.7430, -40.7923, -29.5926
Hunter-Lab	68.1006, -36.6094, 34.1975

Details

The RYB color **83, 199, 150** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **150, 83, 199**, and the grayscale version is **166, 166, 166**.

A 20% lighter version of the original color is **136, 255, 203**, and **29, 145, 97** is the 20% darker color. If you saturate the color by 10%, you get **63, 199, 141**, and if you desaturate by 10%, it is **103, 199, 159**.

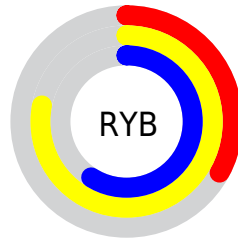
Distribution



Red (52%)

Green (78%)

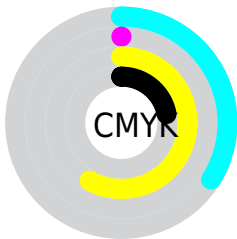
Blue (33%)



Red (33%)

Yellow (78%)

Blue (59%)

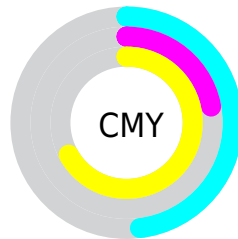


Cyan (34%)

Magenta (0%)

Yellow (58%)

Black (22%)



Cyan (48%)



















Magenta (22%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 199, 150 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, 199, 150 by changing the saturation by 10% instead.

 83, 199, 150	 83, 199, 150
 255, 255, 255	 57, 171, 124
 136, 255, 203	 29, 145, 97
 163, 255, 201	 0, 118, 69
 191, 255, 199	 0, 93, 78
 220, 255, 220	 0, 69, 69
 249, 255, 249	 0, 46, 46
	 0, 22, 22
	 0, 0, 0
 83, 199, 150	 83, 199, 150

■ 63, 199, 141

■ 103, 199, 159

■ 43, 199, 133

■ 123, 199, 167

■ 23, 199, 124

■ 143, 199, 176

■ 3, 199, 116

■ 163, 199, 184

■ 0, 199, 115

■ 183, 199, 193

■ 201, 199, 202

■ 212, 199, 222

■ 224, 199, 242

■ 235, 199, 255

Harmonies

Analogous

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



66, 196, 53



83, 199, 150



0, 125, 207

Triad

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



83, 199, 150



0, 112, 255



255, 126, 165

Complementary

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



83, 199, 150



150, 83, 199

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, 135, 225



83, 199, 150



97, 152, 255

Square

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



83, 199, 150



0, 115, 255



208, 158, 255



255, 148, 109

Rectangle

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



83, 199, 150



0, 114, 210



208, 158, 255



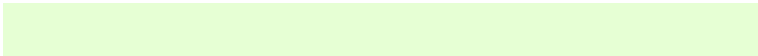
255, 127, 186

Sweetspot

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



83, 199, 150



212, 255, 237



171, 199, 83



102, 128, 117



0, 0, 0



128, 128, 128

Same Dimension

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



83, 199, 150



77, 255, 180



83, 192, 199



90, 99, 95



0, 163, 94



0, 36, 21

Inverse Universe

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



150, 83, 199



180, 77, 255



199, 83, 191



95, 90, 99



94, 0, 163



21, 0, 36

Previews

White Background



This preview shows how the RYB color 83, 199, 150 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, 199, 150 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, 199, 150 Background



This preview shows how black text looks on a background with the RYB color 83, 199, 150.

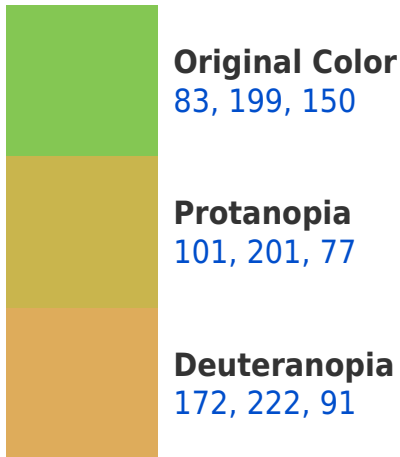


This preview shows how white text looks on a background with the RYB color 83, 199, 150.

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
150, 172, 202

Trichromacy



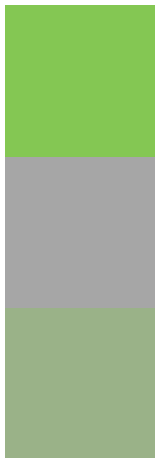
Original Color
83, 199, 150

Protanomaly
79, 188, 91

Deuteranomaly
96, 189, 88

Tritanomaly
143, 179, 191

Monochromacy



Original Color
83, 199, 150

Achromatopsia
166, 166, 166

Achromatomaly
136, 178, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 199, 150 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(132, 199, 83)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 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(132, 199, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 83) }
```

Border

The CSS property to change the border of an element to RYB 83, 199, 150 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(132, 199, 83) }
```

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

```
.border{ border-color:rgb(132, 199, 83) }
```

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

Here you see how a box with a 4 pixel rgb(132, 199, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 83);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
83) }
```

Background

The CSS property to change the background color of an element to RYB 83, 199, 150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 83) }
```

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

```
.background{ background-color: rgb(132,  
199, 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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