

Converting Colors

`RYB(99, 191, 154)`

Have a look what the booklet for
RYB(99, 191, 154) contains.

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Color

R_YB(99, 191, 154)

Conversions

Conversions Part 1

Format	Color
Hex	88BF63
RGB	136, 191, 99
RGB Percent	53%, 75%, 39%
CMY	0.4667, 0.2510, 0.6118
CMYK	0.29, 0.00, 0.48, 0.25
HSL	96°, 42%, 57%
HSV	96°, 48%, 75%
XYZ	31.0363, 43.3967, 18.5450
YIQ	164.0670, -3.2480, -40.2720

Conversions

Conversions Part 2

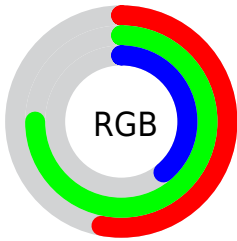
Format	Color
RYB	99, 191, 154
Decimal	8961891
CIELab	71.82, -34.24, 40.56
CIELCh	72, 53.078, 130.174
Yxy	43.3967, 0.3338, 0.4667
Android (android.graphics.Color)	4287151971 (0xFF88BF63)
YUV	164.0670, -32.0780, -24.6148
Hunter-Lab	65.8762, -31.1865, 29.4224

Details

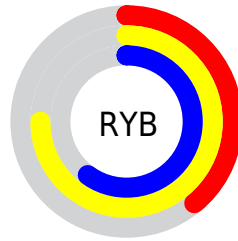
The RYB color **99, 191, 154** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **154, 99, 191**, and the grayscale version is **164, 164, 164**.

A 20% lighter version of the original color is **151, 248, 208**, and **49, 137, 103** is the 20% darker color. If you saturate the color by 10%, you get **80, 191, 146**, and if you desaturate by 10%, it is **118, 191, 162**.

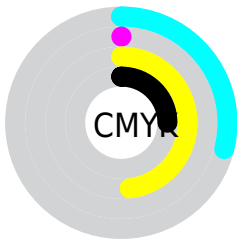
Distribution



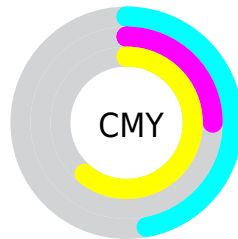
- Red (53%)
- Green (75%)
- Blue (39%)



- Red (39%)
- Yellow (75%)
- Blue (60%)



- Cyan (29%)
- Magenta (0%)
- Yellow (48%)
- Black (25%)





- Cyan (47%)
- Magenta (25%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the RYB color 99, 191, 154 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 99, 191, 154 by changing the saturation by 10% instead.


 99, 191, 154

 99, 191, 154


255, 255, 255

 74, 164, 129


 151, 248, 208

 49, 137, 103

 179, 255, 214

 23, 111, 77

 207, 255, 213

 0, 87, 58


 235, 255, 235


 0, 63, 63


 0, 41, 41

 0, 12, 12


 0, 0, 0

 99, 191, 154


 99, 191, 154

 80, 191, 146


 118, 191, 162

 61, 191, 139

 137, 191, 169

 42, 191, 131

 156, 191, 177

 23, 191, 124

 175, 191, 184

 3, 191, 115

 193, 191, 195

 0, 191, 114

 205, 191, 214

 216, 191, 233

 227, 191, 252

 239, 191, 255

Harmonies

Analogous

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



87, 189, 76



99, 191, 154



61, 147, 198

Triad

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



99, 191, 154



0, 109, 255



255, 135, 161

Complementary

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



99, 191, 154



154, 99, 191

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.



248, 140, 210



99, 191, 154



123, 161, 255

Square

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



99, 191, 154



0, 108, 237



201, 157, 250



255, 151, 116

Rectangle

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



99, 191, 154



0, 107, 200



201, 157, 250



255, 135, 178

Sweetspot

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



99, 191, 154



213, 247, 233



164, 191, 99



104, 125, 117



252, 252, 252



125, 125, 125

Same Dimension

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



99, 191, 154



104, 247, 189



99, 184, 191



85, 94, 90



0, 158, 94



0, 31, 19

Inverse Universe

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



154, 99, 191



190, 104, 247



191, 99, 183



91, 85, 94



95, 0, 158



18, 0, 31

Previews

White Background



This preview shows how the RYB color 99, 191, 154 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 99, 191, 154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

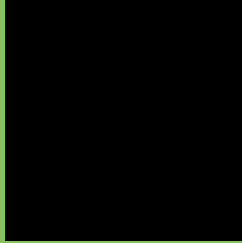
Any Text WCAG AA ✓ Pass

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 99, 191, 154 Background



This preview shows how black text looks on a background with the RYB color 99, 191, 154.

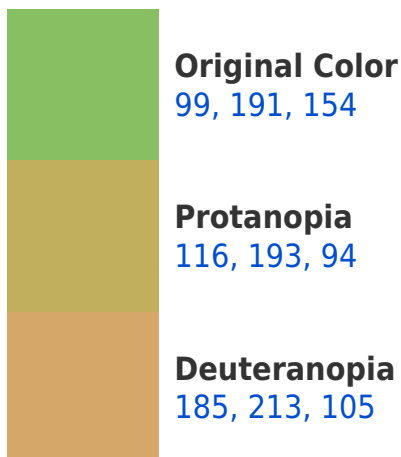


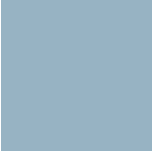
This preview shows how white text looks on a background with the RYB color 99, 191, 154.

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
151, 168, 195

Trichromacy



Original Color
99, 191, 154

Protanomaly
96, 181, 105

Deuteranomaly
113, 185, 103

Tritanomaly
146, 174, 184

Monochromacy



Original Color
99, 191, 154

Achromatopsia
164, 164, 164

Achromatomaly
140, 174, 160

CSS Examples

Text

The CSS property to change the color of the text to RYB 99, 191, 154 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(136, 191, 99)` looks like.

```
.text, #text, p{  
    color:rgb(136, 191, 99)  
}
```

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(136, 191, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 191, 99) }
```

Border

The CSS property to change the border of an element to RYB 99, 191, 154 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(136, 191, 99) }
```

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

```
.border{ border-color:rgb(136, 191, 99) }
```

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

Here you see how a box with a 4 pixel rgb(136, 191, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 191, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 191, 99);  
box-shadow:4px 4px 4px 4px rgb(136, 191,  
99) }
```

Background

The CSS property to change the background color of an element to RYB 99, 191, 154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 191, 99) }
```

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

```
.background{ background-color: rgb(136,  
191, 99) }
```

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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