

Converting Colors

`RYB(103, 191, 111)`

Have a look what the booklet for
RYB(103, 191, 111) contains.

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Color

R_YB(103, 191, 111)

Conversions

Conversions Part 1

Format	Color
Hex	B7BF67
RGB	183, 191, 103
RGB Percent	72%, 75%, 40%
CMY	0.2824, 0.2510, 0.5961
CMYK	0.04, 0.00, 0.46, 0.25
HSL	65°, 41%, 58%
HSV	65°, 46%, 75%
XYZ	40.6074, 48.3082, 20.0161
YIQ	178.5760, 23.4800, -29.0640

Conversions

Conversions Part 2

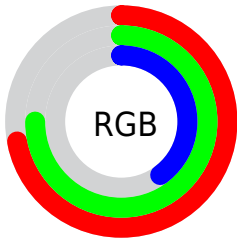
Format	Color
RYB	103, 191, 111
Decimal	12042087
CIELab	75.02, -15.74, 43.21
CIElCh	75, 45.987, 110.017
Yxy	48.3082, 0.3728, 0.4435
Android (android.graphics.Color)	4290232167 (0xFFB7BF67)
YUV	178.5760, -37.2590, 3.8798
Hunter-Lab	69.5041, -17.3443, 31.5782

Details

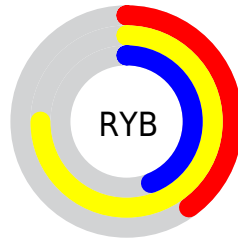
The RYB color **103, 191, 111** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **111, 103, 191**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **156, 247, 163**, and **53, 138, 63** is the 20% darker color. If you saturate the color by 10%, you get **84, 191, 94**, and if you desaturate by 10%, it is **122, 191, 128**.

Distribution



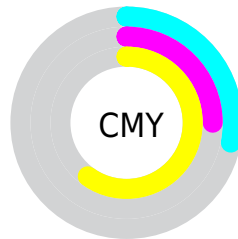
- Red (72%)
- Green (75%)
- Blue (40%)



- Red (40%)
- Yellow (75%)
- Blue (44%)



- Cyan (4%)
- Magenta (0%)
- Yellow (46%)
- Black (25%)



- Cyan (28%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 191, 111 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 103, 191, 111 by changing the saturation by 10% instead.

 103, 191, 111

255, 255, 255

 156, 247, 163

 183, 255, 183

 211, 255, 211

 240, 255, 240

 103, 191, 111

 78, 164, 87

 53, 138, 63

 27, 112, 37

 0, 88, 12

 0, 65, 12

 0, 43, 16

 0, 24, 24

 0, 0, 0

 103, 191, 111

 103, 191, 111

■ 84, 191, 94

■ 122, 191, 128

■ 65, 191, 76

■ 141, 191, 146

■ 46, 191, 59

■ 160, 191, 163

■ 27, 191, 42

■ 179, 191, 180

■ 7, 191, 24

■ 192, 191, 199

■ 0, 191, 17

■ 193, 191, 218

■ 195, 191, 237

■ 197, 191, 255

■ 199, 191, 255

Harmonies

Analogous

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



176, 224, 100



103, 191, 111



129, 201, 196

Triad

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



103, 191, 111



0, 112, 248



255, 152, 201

Complementary

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



103, 191, 111



111, 103, 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.



224, 163, 240



103, 191, 111



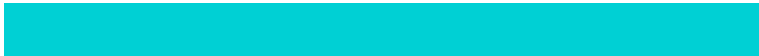
87, 152, 255

Square

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



103, 191, 111



0, 105, 212



167, 178, 255



255, 152, 158

Rectangle

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



103, 191, 111



95, 167, 205



167, 178, 255



249, 155, 215

Sweetspot

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



103, 191, 111



213, 247, 216



191, 111, 103



104, 125, 106



252, 252, 252



125, 125, 125

Same Dimension

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



103, 191, 111



111, 247, 123



103, 191, 154



85, 94, 86



0, 158, 14



0, 31, 3

Inverse Universe

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



111, 103, 191



124, 111, 247



154, 103, 191



86, 85, 94



14, 0, 158



3, 0, 31

Previews

White Background



This preview shows how the RYB color 103, 191, 111 looks on a white background.

Color Contrast Check

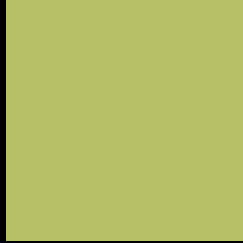
Large Text (above 18pt) WCAG AA × Fail

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 103, 191, 111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

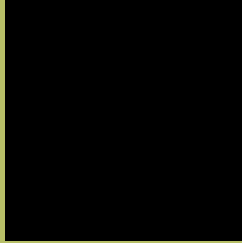
Any Text WCAG AA ✓ Pass

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 103, 191, 111 Background



This preview shows how black text looks on a background with the RYB color 103, 191, 111.



This preview shows how white text looks on a background with the RYB color 103, 191, 111.

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
103, 191, 111

Protanopia
123, 203, 101

Deuteranopia
191, 225, 107



Tritanopia
193, 181, 195

Trichromacy



Original Color
103, 191, 111

Protanomaly
112, 196, 102

Deuteranomaly
146, 210, 106

Tritanomaly
167, 189, 162

Monochromacy



Original Color
103, 191, 111

Achromatopsia
179, 179, 179

Achromatomaly
151, 183, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 191, 111 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(183, 191, 103)` looks like.

```
.text, #text, p{  
    color:rgb(183, 191, 103)  
}
```

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(183, 191, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 191, 103) }
```

Border

The CSS property to change the border of an element to RYB 103, 191, 111 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(183, 191, 103) }
```

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

```
.border{ border-color:rgb(183, 191, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 191, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 191, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 191, 103);  
box-shadow:4px 4px 4px 4px rgb(183, 191,  
103) }
```

Background

The CSS property to change the background color of an element to RYB 103, 191, 111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 191, 103) }
```

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

```
.background{ background-color: rgb(183,  
191, 103) }
```

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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