

Converting Colors

`RYB(103, 203, 151)`

Have a look what the booklet for
RYB(103, 203, 151) contains.

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Color

R_YB(103, 203, 151)

Conversions

Conversions Part 1

Format	Color
Hex	9BCB67
RGB	155, 203, 103
RGB Percent	61%, 80%, 40%
CMY	0.3922, 0.2039, 0.5961
CMYK	0.24, 0.00, 0.49, 0.20
HSL	89°, 49%, 60%
HSV	89°, 49%, 80%
XYZ	37.3217, 50.6597, 20.6432
YIQ	177.2480, 3.4920, -41.2760

Conversions

Conversions Part 2

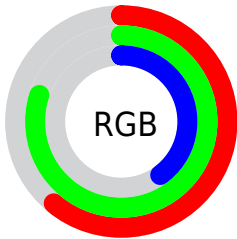
Format	Color
RYB	103, 203, 151
Decimal	10210151
CIELab	76.47, -32.45, 44.54
CIELCh	76, 55.107, 126.076
Yxy	50.6597, 0.3436, 0.4664
Android (android.graphics.Color)	4288400231 (0xFF9BCB67)
YUV	177.2480, -36.6043, -19.5115
Hunter-Lab	71.1756, -30.9590, 32.6270

Details

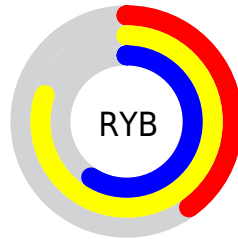
The RYB color **103, 203, 151** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **151, 103, 203**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **156, 255, 200**, and **52, 149, 100** is the 20% darker color. If you saturate the color by 10%, you get **83, 203, 141**, and if you desaturate by 10%, it is **123, 203, 161**.

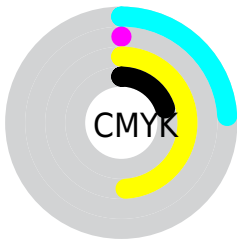
Distribution



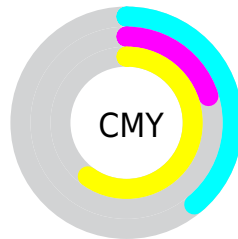
- Red (61%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (59%)



- Cyan (24%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)



- Cyan (39%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 103, 203, 151 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, 203, 151 by changing the saturation by 10% instead.

 103, 203, 151

255, 255, 255


 156, 255, 200

 184, 255, 199

 212, 255, 212

 240, 255, 240

 103, 203, 151

 77, 175, 124

 52, 149, 100

 26, 123, 74

 0, 97, 48

 0, 73, 50

 0, 50, 50

 0, 31, 31

 0, 0, 0

 103, 203, 151

 103, 203, 151

■ 83, 203, 141

■ 123, 203, 161

■ 62, 203, 129

■ 144, 203, 173

■ 42, 203, 119

■ 164, 203, 183

■ 22, 203, 109

■ 184, 203, 193

■ 2, 203, 99

■ 204, 203, 205

■ 0, 203, 97

■ 213, 203, 225

■ 223, 203, 245

■ 233, 203, 255

■ 243, 203, 255

Harmonies

Analogous

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



107, 209, 83



103, 203, 151



83, 169, 211

Triad

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



103, 203, 151



0, 114, 255



255, 145, 180

Complementary

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



103, 203, 151



151, 103, 203

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, 153, 231



103, 203, 151



119, 166, 255

Square

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



103, 203, 151



0, 114, 247



206, 171, 255



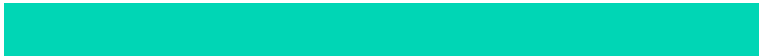
255, 158, 131

Rectangle

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



103, 203, 151



0, 116, 214



206, 171, 255



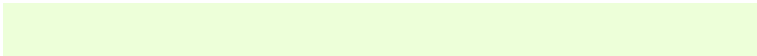
255, 146, 198

Sweetspot

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



103, 203, 151



217, 255, 235



203, 192, 103



105, 128, 117



0, 0, 0



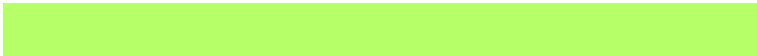
128, 128, 128

Same Dimension

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



103, 203, 151



105, 255, 177



103, 203, 200



92, 102, 97



0, 166, 80



0, 38, 18

Inverse Universe

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



151, 103, 203



177, 105, 255



200, 103, 203



97, 92, 102



80, 0, 166



18, 0, 38

Previews

White Background



This preview shows how the RYB color 103, 203, 151 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, 203, 151 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, 203, 151 Background



This preview shows how black text looks on a background with the RYB color 103, 203, 151.



This preview shows how white text looks on a background with the RYB color 103, 203, 151.

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](#).

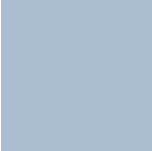
Dichromacy



Original Color
103, 203, 151

Protanopia
121, 207, 98

Deuteranopia
195, 229, 109



Tritanopia
170, 183, 207

Trichromacy



Original Color
103, 203, 151

Protanomaly
100, 193, 105

Deuteranomaly
123, 202, 107

Tritanomaly
165, 191, 195

Monochromacy



Original Color
103, 203, 151

Achromatopsia
177, 177, 177

Achromatomaly
150, 186, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 103, 203, 151 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(155, 203, 103)` looks like.

```
.text, #text, p{  
    color:rgb(155, 203, 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(155, 203, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 203, 103) }
```

Border

The CSS property to change the border of an element to RYB 103, 203, 151 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(155, 203, 103) }
```

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

```
.border{ border-color:rgb(155, 203, 103) }
```

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

Here you see how a box with a 4 pixel rgb(155, 203, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 203, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 203, 103);  
box-shadow:4px 4px 4px 4px rgb(155, 203,  
103) }
```

Background

The CSS property to change the background color of an element to RYB 103, 203, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 203, 103) }
```

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

```
.background{ background-color: rgb(155,  
203, 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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