

Converting Colors

`RYB(104, 202, 151)`

Have a look what the booklet for
RYB(104, 202, 151) contains.

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Color

R_YB(104, 202, 151)

Conversions

Conversions Part 1

Format	Color
Hex	9BCA68
RGB	155, 202, 104
RGB Percent	61%, 79%, 41%
CMY	0.3922, 0.2078, 0.5922
CMYK	0.23, 0.00, 0.49, 0.21
HSL	89°, 48%, 60%
HSV	89°, 49%, 79%
XYZ	37.1368, 50.2091, 20.8307
YIQ	176.7750, 3.4460, -40.4420

Conversions

Conversions Part 2

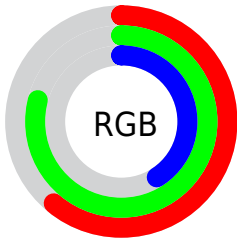
Format	Color
RYB	104, 202, 151
Decimal	10209896
CIELab	76.20, -31.87, 43.72
CIElCh	76, 54.103, 126.092
Yxy	50.2091, 0.3433, 0.4641
Android (android.graphics.Color)	4288399976 (0xFF9BCA68)
YUV	176.7750, -35.8781, -19.0967
Hunter-Lab	70.8584, -30.4505, 32.1710

Details

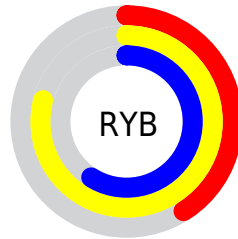
The RYB color **104, 202, 151** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **151, 104, 202**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **157, 255, 201**, and **53, 148, 100** is the 20% darker color. If you saturate the color by 10%, you get **84, 202, 141**, and if you desaturate by 10%, it is **124, 202, 161**.

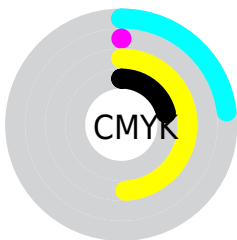
Distribution



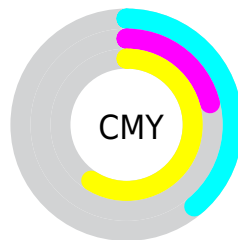
- Red (61%)
- Green (79%)
- Blue (41%)



- Red (41%)
- Yellow (79%)
- Blue (59%)



- Cyan (23%)
- Magenta (0%)
- Yellow (49%)
- Black (21%)



- Cyan (39%)
- Magenta (21%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 104, 202, 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 104, 202, 151 by changing the saturation by 10% instead.

 104, 202, 151

255, 255, 255


 157, 255, 201


 185, 255, 200


 213, 255, 213

 241, 255, 241

 104, 202, 151

 78, 174, 124

 53, 148, 100

 27, 122, 74

 0, 97, 48

 0, 72, 49

 0, 49, 49

 0, 30, 30

 0, 0, 0

 104, 202, 151

 104, 202, 151

■ 84, 202, 141

■ 124, 202, 161

■ 64, 202, 130

■ 144, 202, 172

■ 43, 202, 119

■ 165, 202, 183

■ 23, 202, 109

■ 185, 202, 193

■ 3, 202, 98

■ 203, 202, 205

■ 0, 202, 97

■ 213, 202, 225

■ 223, 202, 245

■ 233, 202, 255

■ 242, 202, 255

Harmonies

Analogous

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



109, 208, 85



104, 202, 151



85, 169, 210

Triad

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



104, 202, 151



0, 113, 255



255, 146, 180

Complementary

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



104, 202, 151



151, 104, 202

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, 229



104, 202, 151



120, 166, 255

Square

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



104, 202, 151



0, 114, 245



205, 171, 255



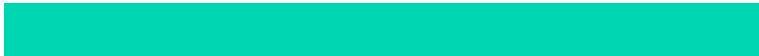
255, 159, 132

Rectangle

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



104, 202, 151



0, 116, 213



205, 171, 255



255, 146, 197

Sweetspot

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



104, 202, 151



217, 255, 235



202, 191, 104



105, 128, 117



0, 0, 0



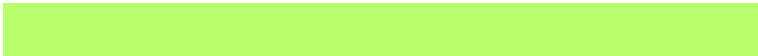
128, 128, 128

Same Dimension

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



104, 202, 151



107, 255, 178



104, 202, 199



92, 102, 97



0, 166, 80



0, 38, 18

Inverse Universe

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



151, 104, 202



178, 107, 255



199, 104, 202



97, 92, 102



79, 0, 166



18, 0, 38

Previews

White Background



This preview shows how the RYB color 104, 202, 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 104, 202, 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 104, 202, 151 Background



This preview shows how black text looks on a background with the RYB color 104, 202, 151.



This preview shows how white text looks on a background with the RYB color 104, 202, 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](#).

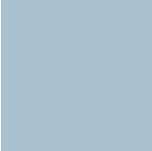
Dichromacy



Original Color
104, 202, 151

Protanopia
122, 206, 99

Deuteranopia
194, 228, 110



Tritanopia
169, 183, 206

Trichromacy



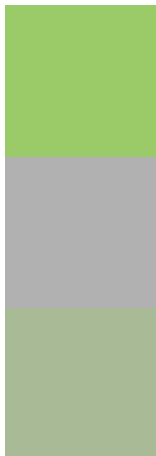
Original Color
104, 202, 151

Protanomaly
101, 192, 106

Deuteranomaly
124, 201, 108

Tritanomaly
164, 191, 195

Monochromacy



Original Color
104, 202, 151

Achromatopsia
177, 177, 177

Achromatomaly
150, 186, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 104, 202, 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, 202, 104)` looks like.

```
.text, #text, p{  
    color:rgb(155, 202, 104)  
}
```

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, 202, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 202, 104) }
```

Border

The CSS property to change the border of an element to RYB 104, 202, 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, 202, 104) }
```

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

```
.border{ border-color:rgb(155, 202, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 202, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 202, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 202, 104);  
box-shadow:4px 4px 4px 4px rgb(155, 202,  
104) }
```

Background

The CSS property to change the background color of an element to RYB 104, 202, 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, 202, 104) }
```

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

```
.background{ background-color: rgb(155,  
202, 104) }
```

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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