

Converting Colors

`RYB(101, 205, 197)`

Have a look what the booklet for
RYB(101, 205, 197) contains.

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Color

R_YB(101, 205, 197)

Conversions

Conversions Part 1

Format	Color
Hex	6DCD65
RGB	109, 205, 101
RGB Percent	43%, 80%, 40%
CMY	0.5725, 0.1961, 0.6039
CMYK	0.47, 0.00, 0.51, 0.20
HSL	115°, 51%, 60%
HSV	115°, 51%, 80%
XYZ	30.4870, 47.8534, 19.9417
YIQ	164.4400, -23.8320, -52.6960

Conversions

Conversions Part 2

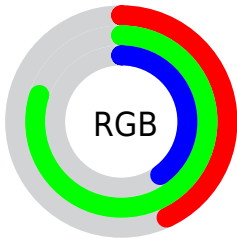
Format	Color
RYB	101, 205, 197
Decimal	7196005
CIELab	74.73, -48.82, 42.86
CIELCh	75, 64.964, 138.724
Yxy	47.8534, 0.3102, 0.4869
Android (android.graphics.Color)	4285386085 (0xFF6DCD65)
YUV	164.4400, -31.2759, -48.6209
Hunter-Lab	69.1762, -42.3907, 31.3315

Details

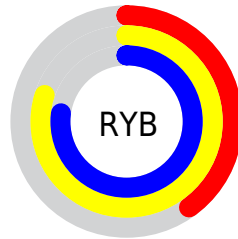
The RYB color **101, 205, 197** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **197, 101, 205**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **154, 255, 243**, and **50, 150, 150** is the 20% darker color. If you saturate the color by 10%, you get **81, 205, 196**, and if you desaturate by 10%, it is **122, 205, 199**.

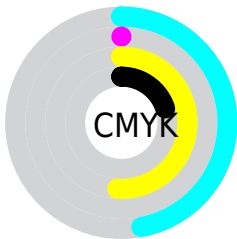
Distribution



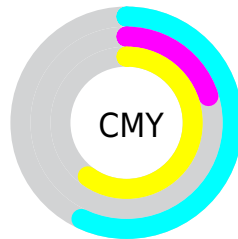
- Red (43%)
- Green (80%)
- Blue (40%)



- Red (40%)
- Yellow (80%)
- Blue (77%)



- Cyan (47%)
- Magenta (0%)
- Yellow (51%)
- Black (20%)




- Cyan (57%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 205, 197 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 101, 205, 197 by changing the saturation by 10% instead.

 101, 205, 197

255, 255, 255


 154, 255, 243


 181, 255, 241


 209, 255, 240

 238, 255, 239

 101, 205, 197

 75, 177, 172

 50, 150, 150

 4, 106, 123

 0, 98, 98

 0, 73, 73

 0, 50, 50

 0, 25, 25

 0, 0, 0

 101, 205, 197

 101, 205, 197

 81, 205, 196

 122, 205, 199

 60, 205, 194

 142, 205, 200

 39, 205, 192

 163, 205, 202

 19, 205, 191

 183, 205, 203

 0, 205, 189

 204, 205, 205

 223, 205, 224

 241, 205, 245

 255, 205, 255

Harmonies

Analogous

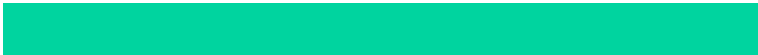
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61, 192, 73



101, 205, 197



0, 121, 212

Triad

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



101, 205, 197



0, 111, 255



255, 131, 149

Complementary

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



101, 205, 197



197, 101, 205

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, 132, 209



101, 205, 197



145, 170, 255

Square

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



101, 205, 197



0, 115, 255



234, 152, 255



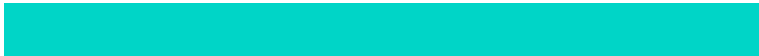
255, 176, 96

Rectangle

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



101, 205, 197



0, 110, 213



234, 152, 255



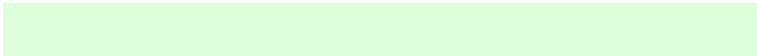
255, 129, 169

Sweetspot

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



101, 205, 197



217, 255, 252



111, 205, 101



105, 128, 127



0, 0, 0



128, 128, 128

Same Dimension

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



101, 205, 197



99, 255, 243



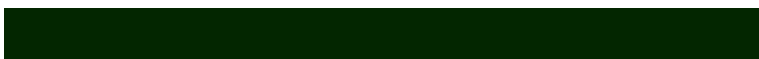
101, 175, 205



92, 102, 101



0, 166, 153



0, 38, 35

Inverse Universe

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



197, 101, 205



243, 99, 255



205, 101, 162



101, 92, 102



153, 0, 166



35, 0, 38

Previews

White Background



This preview shows how the RYB color 101, 205, 197 looks on a white background.

Color Contrast Check

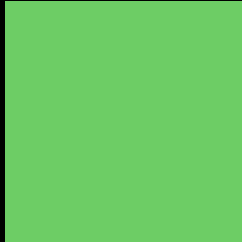
Large Text (above 18pt) WCAG AA × Fail

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 101, 205, 197 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 101, 205, 197 Background



This preview shows how black text looks on a background with the RYB color 101, 205, 197.



This preview shows how white text looks on a background with the RYB color 101, 205, 197.

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
101, 205, 197

Protanopia
116, 202, 93

Deuteranopia
192, 222, 109



Tritanopia
131, 166, 209

Trichromacy



Original Color

101, 205, 197



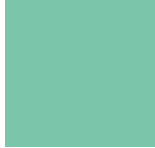
Protanomaly

96, 191, 119



Deuteranomaly

106, 185, 110



Tritanomaly

123, 168, 197

Monochromacy



Original Color

101, 205, 197



Achromatopsia

164, 164, 164



Achromatomaly

141, 179, 176

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 205, 197 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(109, 205, 101)` looks like.

```
.text, #text, p{  
    color:rgb(109, 205, 101)  
}
```

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(109, 205, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 205, 101) }
```

Border

The CSS property to change the border of an element to RYB 101, 205, 197 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(109, 205, 101) }
```

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

```
.border{ border-color:rgb(109, 205, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 205, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 205, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 205, 101);  
box-shadow:4px 4px 4px 4px rgb(109, 205,  
101) }
```

Background

The CSS property to change the background color of an element to RYB 101, 205, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 205, 101) }
```

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

```
.background{ background-color: rgb(109,  
205, 101) }
```

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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