

Converting Colors

`RYB(101, 177, 205)`

Have a look what the booklet for
RYB(101, 177, 205) contains.

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Color

R_YB(101, 177, 205)

Conversions

Conversions Part 1

Format	Color
Hex	65CD8B
RGB	101, 205, 139
RGB Percent	40%, 80%, 55%
CMY	0.6039, 0.1961, 0.4537
CMYK	0.51, 0.00, 0.32, 0.20
HSL	142°, 51%, 60%
HSV	142°, 51%, 80%
XYZ	31.8815, 48.3027, 32.1903
YIQ	166.3800, -40.7980, -42.5740

Conversions

Conversions Part 2

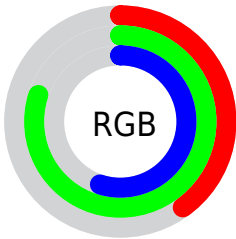
Format	Color
RYB	101, 177, 205
Decimal	6671755
CIELab	75.02, -44.90, 23.69
CIElCh	75, 50.768, 152.186
Yxy	48.3027, 0.2837, 0.4298
Android (android.graphics.Color)	4284861835 (0xFF65CD8B)
YUV	166.3800, -13.4983, -57.3383
Hunter-Lab	69.5001, -39.7427, 21.1888

Details

The RYB color **101, 177, 205** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **205, 101, 167**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **158, 229, 255**, and **40, 117, 150** is the 20% darker color. If you saturate the color by 10%, you get **81, 172, 205**, and if you desaturate by 10%, it is **122, 183, 205**.

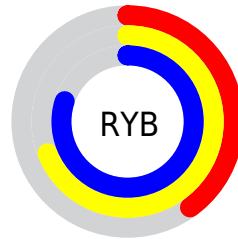
Distribution



Red (40%)

Green (80%)

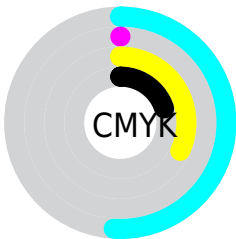
Blue (55%)



Red (40%)

Yellow (69%)

Blue (80%)

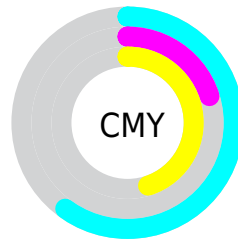


Cyan (51%)

Magenta (0%)

Yellow (32%)

Black (20%)



Cyan (60%)


Magenta (20%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 177, 205 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, 177, 205 by changing the saturation by 10% instead.

 101, 177, 205


255, 255, 255


 158, 229, 255


 187, 232, 255

 216, 237, 255

 245, 250, 255

 101, 177, 205

 72, 147, 177

 40, 116, 150

 0, 80, 123


 0, 69, 98


 0, 57, 73


 0, 49, 49


 0, 26, 26


 0, 0, 0

 101, 177, 205


 101, 177, 205

 81, 172, 205


 122, 183, 205

 60, 166, 205

 142, 188, 205

 39, 160, 205

 163, 194, 205

 19, 155, 205

 183, 199, 205

 0, 150, 205

 204, 205, 205

 224, 205, 217

 245, 205, 230

 255, 205, 243

 255, 205, 255

Harmonies

Analogous

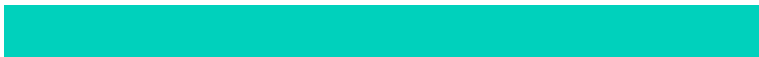
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



103, 197, 139



101, 177, 205



0, 110, 209

Triad

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



101, 177, 205



111, 161, 255



255, 153, 137

Complementary

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



101, 177, 205



205, 101, 167

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, 146, 183



101, 177, 205



193, 171, 255

Square

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



101, 177, 205



0, 112, 255



245, 154, 229



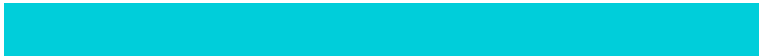
248, 216, 102

Rectangle

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



101, 177, 205



0, 106, 218



245, 154, 229



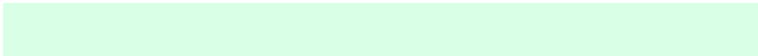
255, 148, 152

Sweetspot

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



101, 177, 205



217, 245, 255



101, 205, 139



105, 122, 128



0, 0, 0



128, 128, 128

Same Dimension

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



101, 177, 205



99, 213, 255



101, 157, 205



92, 99, 102



0, 121, 166



0, 28, 38

Inverse Universe

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



205, 101, 167



255, 99, 198



205, 101, 115



102, 92, 98



166, 0, 105



38, 0, 24

Previews

White Background



This preview shows how the RYB color 101, 177, 205 looks on a white background.

Color Contrast Check

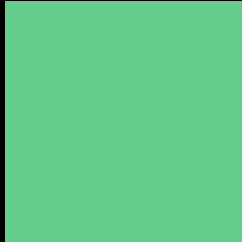
Large Text (above 18pt) WCAG AA × Fail

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, 177, 205 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, 177, 205 Background



This preview shows how black text looks on a background with the RYB color 101, 177, 205.

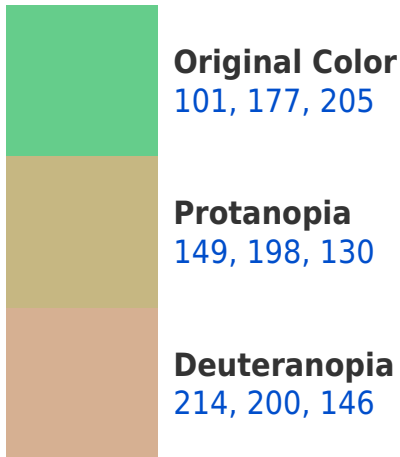


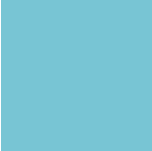
This preview shows how white text looks on a background with the RYB color 101, 177, 205.

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
120, 162, 212

Trichromacy



Original Color

101, 177, 205



Protanomaly

133, 191, 161



Deuteranomaly

144, 187, 158



Tritanomaly

113, 160, 199

Monochromacy



Original Color

101, 177, 205



Achromatopsia

166, 166, 166



Achromatomaly

142, 170, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 177, 205 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(101, 205, 139)` looks like.

```
.text, #text, p{  
    color:rgb(101, 205, 139)  
}
```

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(101, 205, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 205, 139) }
```

Border

The CSS property to change the border of an element to RYB 101, 177, 205 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(101, 205, 139) }
```

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

```
.border{ border-color:rgb(101, 205, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 205, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 205, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 205, 139);  
box-shadow:4px 4px 4px 4px rgb(101, 205,  
139) }
```

Background

The CSS property to change the background color of an element to RYB 101, 177, 205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 205, 139) }
```

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

```
.background{ background-color: rgb(101,  
205, 139) }
```

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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