

Converting Colors

`RYB(91, 137, 199)`

Have a look what the booklet for
RYB(91, 137, 199) contains.

| | |
|--|----|
| RYB(91, 137, 199) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 23 |
| <i>Color Blindness Simulation</i> | 26 |
| <i>CSS Examples</i> | 29 |

Color

`RYB(91, 137, 199)`

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 5BABC7 |
| RGB | 91, 171, 199 |
| RGB Percent | 36%, 67%, 78% |
| CMY | 0.6431, 0.3289, 0.2196 |
| CMYK | 0.54, 0.14, 0.00, 0.22 |
| HSL | 195°, 49%, 57% |
| HSV | 195°, 54%, 78% |
| XYZ | 29.2105, 35.5223, 59.3498 |
| YIQ | 150.2720, -56.6680, -8.2520 |

Conversions

Conversions Part 2

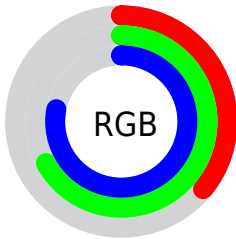
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 91, 137, 199 |
| Decimal | 6007751 |
| CIE Lab | 66.15, -16.69, -21.73 |
| CIE LCh | 66, 27.400, 232.475 |
| Yxy | 35.5223, 0.2354, 0.2863 |
| Android (android.graphics.Color) | 4284197831 (0xFF5BABC7) |
| YUV | 150.2720, 24.0229, -51.9815 |
| Hunter-Lab | 59.6006, -16.8174, -17.3201 |

Details

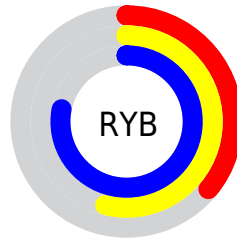
The RYB color **91, 137, 199** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **199, 129, 91**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **148, 193, 255**, and **24, 77, 145** is the 20% darker color. If you saturate the color by 10%, you get **71, 126, 199**, and if you desaturate by 10%, it is **111, 148, 199**.

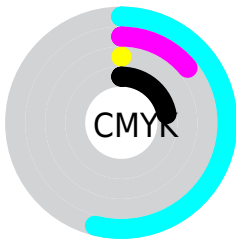
Distribution



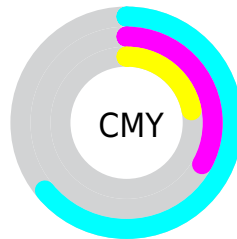
- Red (36%)
- Green (67%)
- Blue (78%)



- Red (36%)
- Yellow (54%)
- Blue (78%)



- Cyan (54%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)




- Cyan (64%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 91, 137, 199 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 91, 137, 199 by changing the saturation by 10% instead.

 91, 137, 199


255, 255, 255


 148, 193, 255

 177, 216, 255

 206, 231, 255

 236, 246, 255

 91, 137, 199

 61, 109, 172

 24, 77, 145

 0, 53, 119


 0, 40, 94


 0, 29, 71

 0, 18, 48

 0, 1, 27

 0, 0, 0

 91, 137, 199

 91, 137, 199

■ 71, 126, 199

■ 111, 148, 199

■ 51, 114, 199

■ 131, 160, 199

■ 31, 103, 199

■ 151, 172, 199

■ 11, 91, 199

■ 171, 183, 199

■ 0, 85, 199

■ 191, 194, 199

■ 210, 203, 199

■ 230, 210, 199

■ 250, 216, 199

■ 255, 226, 199

Harmonies

Analogous

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



85, 131, 179



91, 137, 199



120, 150, 209

Triad

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



91, 137, 199



205, 143, 168



115, 165, 121

Complementary

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



91, 137, 199



199, 129, 91

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.



155, 184, 112



91, 137, 199



210, 143, 143

Square

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



91, 137, 199



186, 148, 191



202, 162, 123



130, 171, 170

Rectangle

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



91, 137, 199



144, 157, 209



202, 162, 123



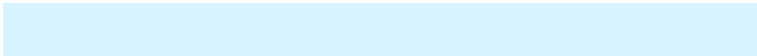
119, 168, 113

Sweetspot

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



91, 137, 199



214, 231, 255



91, 177, 199



103, 113, 128



0, 0, 0



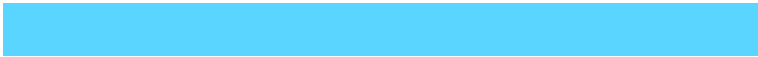
128, 128, 128

Same Dimension

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



91, 137, 199



89, 160, 255



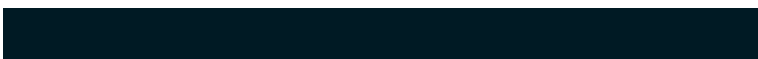
91, 113, 199



90, 94, 99



0, 69, 163



0, 15, 36

Inverse Universe

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



199, 91, 171



255, 89, 212



127, 199, 91



99, 90, 97



163, 0, 121



36, 0, 26

Previews

White Background



This preview shows how the RYB color 91, 137, 199 looks on a white background.

Color Contrast Check

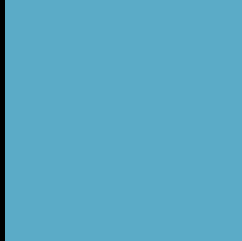
Large Text (above 18pt) WCAG AA × Fail

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 91, 137, 199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

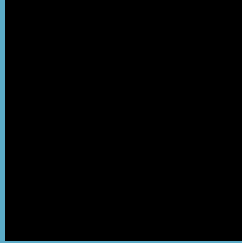
Any Text WCAG AA ✓ Pass

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 91, 137, 199 Background



This preview shows how black text looks on a background with the RYB color 91, 137, 199.

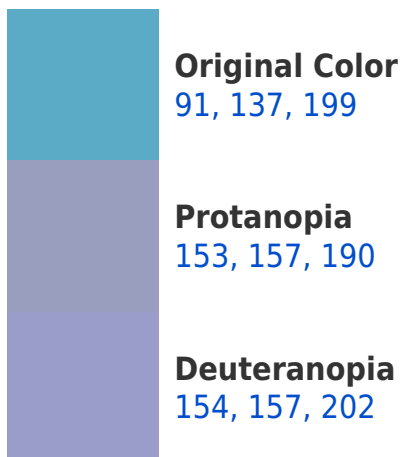


This preview shows how white text looks on a background with the RYB color 91, 137, 199.

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
87, 133, 187

Trichromacy



Original Color

91, 137, 199



Protanomaly

130, 152, 193



Deuteranomaly

131, 152, 201



Tritanomaly

88, 134, 191

Monochromacy



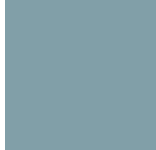
Original Color

91, 137, 199



Achromatopsia

150, 150, 150



Achromatomaly

129, 146, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 91, 137, 199 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(91, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(91, 171, 199)  
}
```

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(91, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 171, 199) }
```

Border

The CSS property to change the border of an element to RYB 91, 137, 199 is called "border". The border property can be set on classes, ids or directly on the HTML element.

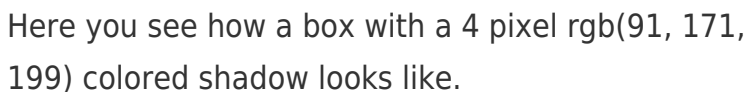
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 171, 199) }
```

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

```
.border{ border-color:rgb(91, 171, 199) }
```

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



Here you see how a box with a 4 pixel `rgb(91, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 171, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 171, 199); box-shadow:4px 4px 4px 4px rgb(91, 171, 199) }
```

Background

The CSS property to change the background color of an element to RGB 91, 137, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 171, 199) }
```

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

```
.background{ background-color: rgb(91, 171,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor