

Converting Colors

`RYB(93, 170, 193)`

Have a look what the booklet for
RYB(93, 170, 193) contains.

| | |
|------------------------------------------------|----|
| RYB(93, 170, 193) | 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

R_YB(93, 170, 193)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5DC17B |
| RGB | 93, 193, 123 |
| RGB Percent | 36%, 76%, 48% |
| CMY | 0.6353, 0.2431, 0.5182 |
| CMYK | 0.52, 0.00, 0.36, 0.24 |
| HSL | 138°, 45%, 56% |
| HSV | 138°, 52%, 76% |
| XYZ | 27.1512, 41.8939, 25.3516 |
| YIQ | 155.1200, -37.1300, -42.9700 |

Conversions

Conversions Part 2

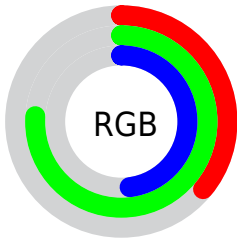
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 93, 170, 193 |
| Decimal | 6144379 |
| CIELab | 70.80, -44.83, 26.61 |
| CIELCh | 71, 52.135, 149.307 |
| Yxy | 41.8939, 0.2876, 0.4438 |
| Android (android.graphics.Color) | 4284334459 (0xFF5DC17B) |
| YUV | 155.1200, -15.8352, -54.4792 |
| Hunter-Lab | 64.7255, -38.3920, 22.0852 |

Details

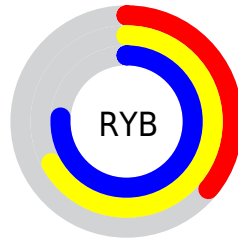
The RYB color **93, 170, 193** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **193, 93, 163**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **149, 229, 250**, and **30, 108, 139** is the 20% darker color. If you saturate the color by 10%, you get **74, 166, 193**, and if you desaturate by 10%, it is **112, 174, 193**.

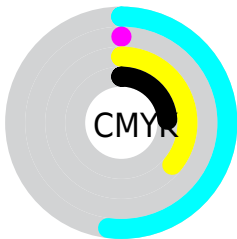
Distribution



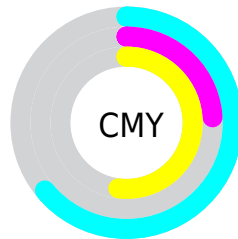
- Red (36%)
- Green (76%)
- Blue (48%)



- Red (36%)
- Yellow (67%)
- Blue (76%)



- Cyan (52%)
- Magenta (0%)
- Yellow (36%)
- Black (24%)




- Cyan (64%)
- Magenta (24%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 93, 170, 193 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 93, 170, 193 by changing the saturation by 10% instead.

 93, 170, 193


255, 255, 255


 149, 229, 250


 178, 236, 255

 207, 239, 255

 236, 246, 255

 93, 170, 193

 64, 140, 165

 30, 108, 139

 0, 77, 112


 0, 66, 87


 0, 60, 63


 0, 42, 42

 0, 5, 5


 0, 0, 0


 93, 170, 193


 93, 170, 193


 74, 166, 193


 112, 174, 193


 54, 161, 193

 132, 179, 193

 35, 157, 193

 151, 184, 193

 16, 152, 193

 170, 188, 193

 0, 148, 193

 189, 192, 193

 209, 193, 204

 228, 193, 218

 247, 193, 231

 255, 193, 245

Harmonies

Analogous

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



87, 184, 117



93, 170, 193



0, 105, 197

Triad

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



93, 170, 193



81, 144, 255



255, 139, 129

Complementary

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



93, 170, 193



193, 93, 163

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, 133, 176



93, 170, 193



174, 161, 255

Square

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



93, 170, 193



0, 109, 254



231, 143, 222



239, 196, 92

Rectangle

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



93, 170, 193



0, 100, 203



231, 143, 222



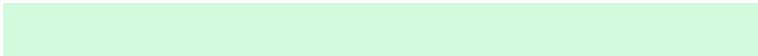
255, 134, 144

Sweetspot

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



93, 170, 193



210, 241, 250



93, 193, 121



101, 120, 125



252, 252, 252



125, 125, 125

Same Dimension

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



93, 170, 193



95, 215, 250



93, 149, 193



87, 95, 97



0, 124, 161



0, 25, 33

Inverse Universe

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



193, 93, 163



250, 95, 204



193, 93, 115



97, 87, 94



161, 0, 113



33, 0, 23

Previews

White Background



This preview shows how the RYB color 93, 170, 193 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 93, 170, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

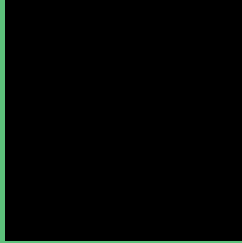
Any Text WCAG AA ✓ Pass

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 93, 170, 193 Background



This preview shows how black text looks on a background with the RYB color 93, 170, 193.

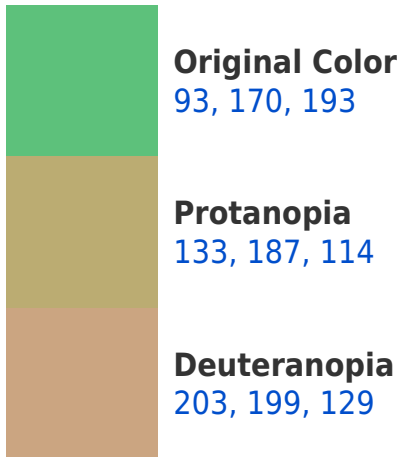


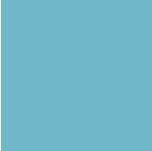
This preview shows how white text looks on a background with the RYB color 93, 170, 193.

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
112, 151, 199

Trichromacy



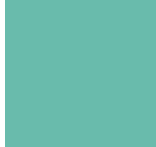
Original Color
93, 170, 193



Protanomaly
117, 180, 144



Deuteranomaly
127, 175, 139



Tritanomaly
105, 150, 187

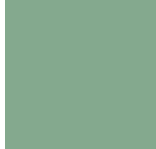
Monochromacy



Original Color
93, 170, 193



Achromatopsia
155, 155, 155



Achromatomaly
132, 161, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 170, 193 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(93, 193, 123)` looks like.

```
.text, #text, p{  
    color:rgb(93, 193, 123)  
}
```

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(93, 193, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 193, 123) }
```

Border

The CSS property to change the border of an element to RYB 93, 170, 193 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(93, 193, 123) }
```

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

```
.border{ border-color:rgb(93, 193, 123) }
```

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

Here you see how a box with a 4 pixel rgb(93, 193, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 193, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 193, 123);  
box-shadow:4px 4px 4px 4px rgb(93, 193,  
123) }
```

Background

The CSS property to change the background color of an element to RGB 93, 170, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 193, 123) }
```

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

```
.background{ background-color: rgb(93, 193,  
123) }
```

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