

Converting Colors

`RYB(93, 149, 213)`

Have a look what the booklet for RYB(93, 149, 213) contains.

RYB(93, 149, 213)	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(93, 149, 213)`

Conversions

Conversions Part 1

Format	Color
Hex	5DC6D5
RGB	93, 198, 213
RGB Percent	36%, 78%, 84%
CMY	0.6353, 0.2235, 0.1647
CMYK	0.56, 0.07, 0.00, 0.16
HSL	188°, 59%, 60%
HSV	188°, 56%, 84%
XYZ	36.7185, 47.5194, 70.1877
YIQ	168.3150, -67.3950, -17.5950

Conversions

Conversions Part 2

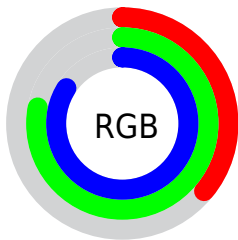
Format	Color
R _Y B	93, 149, 213
Decimal	6145749
CIE Lab	74.52, -26.02, -16.70
CIE LCh	75, 30.918, 212.688
Yxy	47.5194, 0.2378, 0.3077
Android (android.graphics.Color)	4284335829 (0xFF5DC6D5)
YUV	168.3150, 22.0297, -66.0513
Hunter-Lab	68.9343, -25.5554, -12.1140

Details

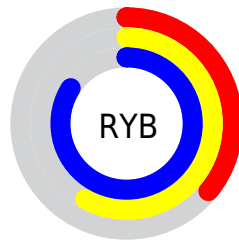
The RYB color **93, 149, 213** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **213, 110, 93**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **153, 204, 255**, and **14, 82, 158** is the 20% darker color. If you saturate the color by 10%, you get **72, 138, 213**, and if you desaturate by 10%, it is **114, 160, 213**.

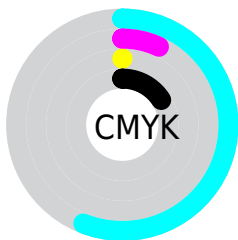
Distribution



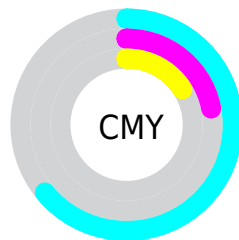
- Red (36%)
- Green (78%)
- Blue (84%)



- Red (36%)
- Yellow (58%)
- Blue (84%)



- Cyan (56%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



















- Cyan (64%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 93, 149, 213 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, 149, 213 by changing the saturation by 10% instead.

 93, 149, 213	 93, 149, 213
 255, 255, 255	 61, 119, 185
 153, 204, 255	 14, 82, 158
 182, 219, 255	 0, 62, 132
 212, 234, 255	 0, 50, 107
 242, 249, 255	 0, 38, 83
	 0, 26, 60
	 0, 15, 38
	 0, 1, 16
	 0, 0, 0

■ 93, 149, 213

■ 93, 149, 213

■ 72, 138, 213

■ 114, 160, 213

■ 50, 126, 213

■ 136, 172, 213

■ 29, 115, 213

■ 157, 183, 213

■ 8, 104, 213

■ 178, 194, 213

■ 0, 99, 213

■ 200, 206, 213

■ 221, 214, 213

■ 242, 218, 213

■ 255, 220, 213

■ 255, 224, 213

Harmonies

Analogous

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



107, 157, 199



93, 149, 213



111, 160, 233

Triad

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



93, 149, 213



222, 166, 210



151, 201, 126

Complementary

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



93, 149, 213



213, 110, 93

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.



225, 202, 134



93, 149, 213



238, 162, 182

Square

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



93, 149, 213



191, 175, 231



239, 167, 154



135, 191, 156

Rectangle

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



93, 149, 213



136, 171, 239



239, 167, 154



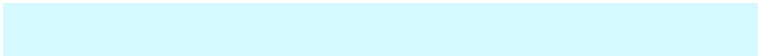
176, 210, 127

Sweetspot

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



93, 149, 213



212, 232, 255



93, 200, 213



102, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



93, 149, 213



82, 163, 255



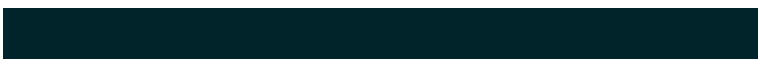
93, 126, 213



96, 101, 107



0, 80, 171



0, 20, 43

Inverse Universe

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



213, 93, 198



255, 82, 233



168, 213, 93



107, 96, 106



171, 0, 149



43, 0, 38

Previews

White Background



This preview shows how the RYB color 93, 149, 213 looks on a white background.

Color Contrast Check

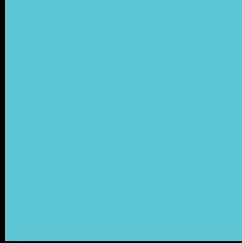
Large Text (above 18pt) WCAG AA × Fail

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, 149, 213 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, 149, 213 Background



This preview shows how black text looks on a background with the RYB color 93, 149, 213.

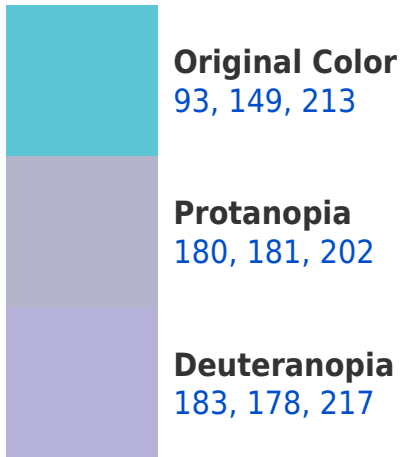


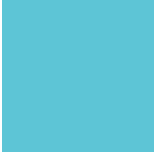
This preview shows how white text looks on a background with the RYB color 93, 149, 213.

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
93, 149, 214

Trichromacy



Original Color
93, 149, 213



Protanomaly
148, 171, 206



Deuteranomaly
150, 173, 216

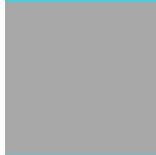


Tritanomaly
93, 149, 214

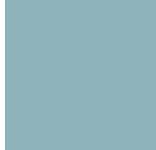
Monochromacy



Original Color
93, 149, 213



Achromatopsia
168, 168, 168



Achromatomaly
141, 161, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 149, 213 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, 198, 213)` looks like.

```
.text, #text, p{  
    color:rgb(93, 198, 213)  
}
```

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, 198, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 198, 213) }
```

Border

The CSS property to change the border of an element to RYB 93, 149, 213 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, 198, 213) }
```

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

```
.border{ border-color:rgb(93, 198, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 198, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 198, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 198, 213);  
box-shadow:4px 4px 4px 4px rgb(93, 198,  
213) }
```

Background

The CSS property to change the background color of an element to RGB 93, 198, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 198, 213) }
```

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

```
.background{ background-color: rgb(93, 198,  
213) }
```

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