

Converting Colors

`RYB(93, 158, 241)`

Have a look what the booklet for
RYB(93, 158, 241) contains.

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Color

RYB(93, 158, 241)

Conversions

Conversions Part 1

Format	Color
Hex	5DD1F1
RGB	93, 209, 241
RGB Percent	36%, 82%, 95%
CMY	0.6353, 0.1808, 0.0549
CMYK	0.61, 0.13, 0.00, 0.05
HSL	193°, 84%, 65%
HSV	193°, 61%, 95%
XYZ	43.1682, 54.2317, 91.4116
YIQ	177.9640, -79.4080, -14.6400

Conversions

Conversions Part 2

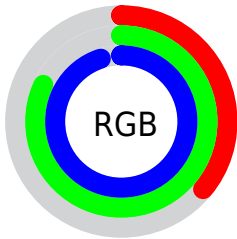
Format	Color
R _Y B	93, 158, 241
Decimal	6148593
CIE Lab	78.60, -23.41, -25.58
CIE LCh	79, 34.670, 227.535
Yxy	54.2317, 0.2286, 0.2872
Android (android.graphics.Color)	4284338673 (0xFF5DD1F1)
YUV	177.9640, 31.0767, -74.5134
Hunter-Lab	73.6422, -24.2391, -22.0469

Details

The RYB color **93, 158, 241** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **241, 134, 93**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **156, 206, 255**, and **0, 84, 185** is the 20% darker color. If you saturate the color by 10%, you get **69, 145, 241**, and if you desaturate by 10%, it is **117, 171, 241**.

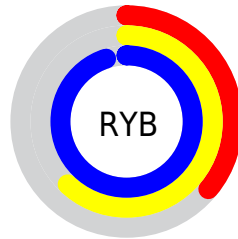
Distribution



Red (36%)

Green (82%)

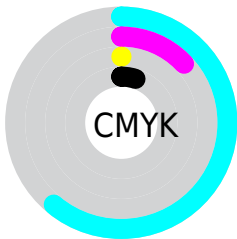
Blue (95%)



Red (36%)

Yellow (62%)

Blue (95%)

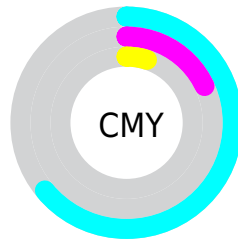


Cyan (61%)

Magenta (13%)

Yellow (0%)

Black (5%)



Cyan (64%)

















Magenta (18%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 93, 158, 241 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, 158, 241 by changing the saturation by 10% instead.

 93, 158, 241	 93, 158, 241
 255, 255, 255	 57, 126, 213
 156, 206, 255	 0, 84, 185
 186, 221, 255	 0, 71, 158
 217, 236, 255	 0, 58, 132
 247, 251, 255	 0, 45, 106
	 0, 33, 82
	 0, 22, 59
	 0, 2, 37
	 0, 1, 14

■ 93, 158, 241

■ 93, 158, 241

■ 69, 145, 241

■ 117, 171, 241

■ 45, 131, 241

■ 141, 185, 241

■ 21, 118, 241

■ 165, 199, 241

■ 0, 106, 241

■ 189, 212, 241

■ 213, 225, 241

■ 238, 239, 241

■ 255, 247, 241

■ 247, 255, 241

■ 241, 255, 241

Harmonies

Analogous

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



92, 152, 213



93, 158, 241



131, 176, 255

Triad

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



93, 158, 241



249, 172, 209



132, 198, 132

Complementary

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



93, 158, 241



241, 134, 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.



203, 229, 132



93, 158, 241



255, 171, 177

Square

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



93, 158, 241



222, 180, 238



251, 188, 148



150, 207, 196

Rectangle

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



93, 158, 241



164, 187, 255



251, 188, 148



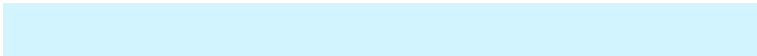
147, 209, 130

Sweetspot

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



93, 158, 241



209, 229, 255



93, 215, 241



99, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



93, 158, 241



66, 149, 255



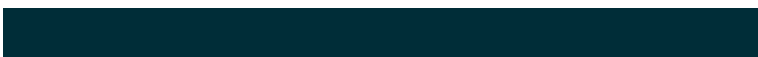
93, 126, 241



108, 113, 120



0, 81, 184



0, 25, 56

Inverse Universe

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



241, 93, 209



255, 66, 214



152, 241, 93



120, 108, 117



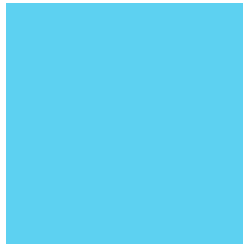
184, 0, 144



56, 0, 44

Previews

White Background



This preview shows how the RYB color 93, 158, 241 looks on a white background.

Color Contrast Check

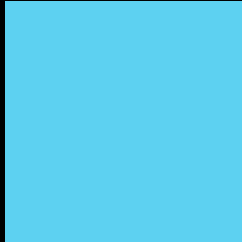
Large Text (above 18pt) WCAG AA × Fail

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, 158, 241 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](#).

R Y B 93, 158, 241 Background



This preview shows how black text looks on a background with the RYB color 93, 158, 241.



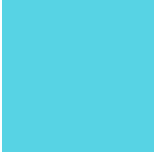
This preview shows how white text looks on a background with the RYB color 93, 158, 241.

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



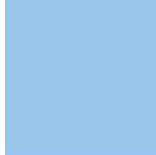


Tritanopia
87, 153, 228

Trichromacy



Original Color
93, 158, 241



Protanomaly
152, 181, 233



Deuteranomaly
152, 182, 244

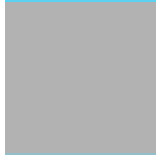


Tritanomaly
89, 155, 233

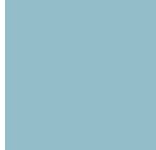
Monochromacy



Original Color
93, 158, 241



Achromatopsia
178, 178, 178



Achromatomaly
147, 171, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 158, 241 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, 209, 241)` looks like.

```
.text, #text, p{  
    color:rgb(93, 209, 241)  
}
```

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, 209, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 209, 241) }
```

Border

The CSS property to change the border of an element to RYB 93, 158, 241 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, 209, 241) }
```

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

```
.border{ border-color:rgb(93, 209, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 209, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 209, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 209, 241);  
box-shadow:4px 4px 4px 4px rgb(93, 209,  
241) }
```

Background

The CSS property to change the background color of an element to RGB 93, 158, 241 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 209, 241) }
```

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

```
.background{ background-color: rgb(93, 209,  
241) }
```

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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