

Converting Colors

`RYB(93, 151, 232)`

Have a look what the booklet for RYB(93, 151, 232) contains.

RYB(93, 151, 232)	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, 151, 232)

Conversions

Conversions Part 1

Format	Color
Hex	5DC1E8
RGB	93, 193, 232
RGB Percent	36%, 76%, 91%
CMY	0.6353, 0.2450, 0.0902
CMYK	0.60, 0.17, 0.00, 0.09
HSL	197°, 75%, 64%
HSV	197°, 60%, 91%
XYZ	38.0461, 46.0862, 83.2342
YIQ	167.5460, -72.1190, -9.0710

Conversions

Conversions Part 2

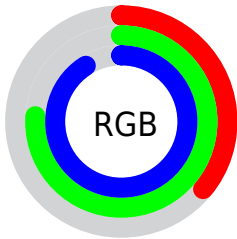
Format	Color
RYB	93, 151, 232
Decimal	6144488
CIELab	73.60, -17.72, -28.39
CIElCh	74, 33.463, 238.022
Yxy	46.0862, 0.2273, 0.2754
Android (android.graphics.Color)	4284334568 (0xFF5DC1E8)
YUV	167.5460, 31.7758, -65.3768
Hunter-Lab	67.8868, -18.7644, -25.1731

Details

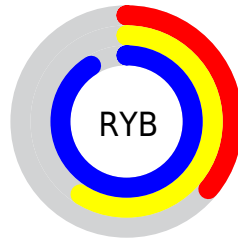
The RYB color **93, 151, 232** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **232, 147, 93**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **154, 203, 255**, and **1, 78, 176** is the 20% darker color. If you saturate the color by 10%, you get **70, 138, 232**, and if you desaturate by 10%, it is **116, 164, 232**.

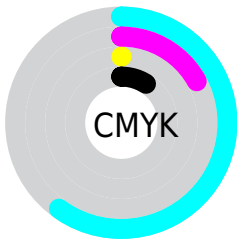
Distribution



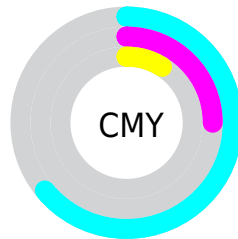
- Red (36%)
- Green (76%)
- Blue (91%)



- Red (36%)
- Yellow (59%)
- Blue (91%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)





- Cyan (64%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the RYB color 93, 151, 232 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, 151, 232 by changing the saturation by 10% instead.

 93, 151, 232

 93, 151, 232

255, 255, 255

 59, 120, 204

 154, 203, 255

 2, 79, 176

 184, 220, 255

 0, 64, 149

 214, 235, 255

 0, 52, 124

 244, 250, 255

 0, 39, 98

 0, 27, 74

 0, 16, 52

 0, 2, 30

 0, 0, 0

■ 93, 151, 232

■ 93, 151, 232

■ 70, 138, 232

■ 116, 164, 232

■ 47, 124, 232

■ 139, 178, 232

■ 23, 110, 232

■ 163, 192, 232

■ 0, 97, 232

■ 186, 205, 232

■ 209, 218, 232

■ 232, 232, 232

■ 255, 242, 232

■ 250, 255, 232

■ 235, 255, 232

Harmonies

Analogous

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



77, 140, 209



93, 151, 232



136, 169, 242

Triad

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



93, 151, 232



238, 158, 184



126, 188, 142

Complementary

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



93, 151, 232



232, 147, 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.



156, 204, 119



93, 151, 232



241, 161, 153

Square

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



93, 151, 232



218, 163, 214



228, 192, 130



136, 185, 194

Rectangle

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



93, 151, 232



168, 176, 239



228, 192, 130



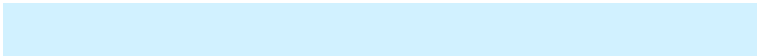
122, 185, 124

Sweetspot

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



93, 151, 232



209, 228, 255



93, 202, 232



99, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



93, 151, 232



71, 148, 255



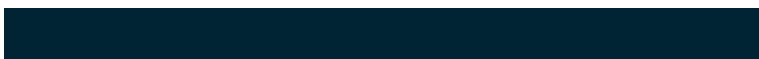
93, 118, 232



103, 108, 115



0, 75, 179



0, 21, 51

Inverse Universe

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



232, 93, 193



255, 71, 203



131, 232, 93



115, 103, 111



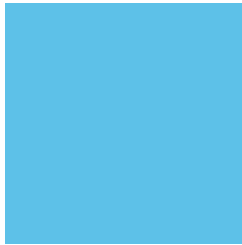
179, 0, 128



51, 0, 37

Previews

White Background



This preview shows how the RYB color 93, 151, 232 looks on a white background.

Color Contrast Check

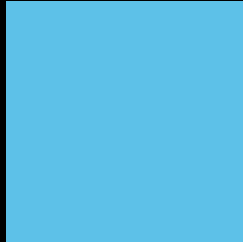
Large Text (above 18pt) WCAG AA × Fail

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, 151, 232 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, 151, 232 Background



This preview shows how black text looks on a background with the RYB color 93, 151, 232.

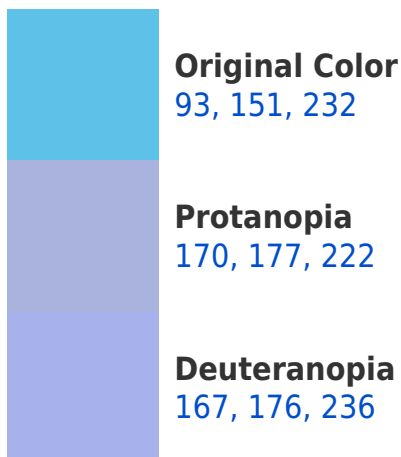


This preview shows how white text looks on a background with the RYB color 93, 151, 232.

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
84, 144, 212

Trichromacy



Original Color
93, 151, 232



Protanomaly
142, 170, 226



Deuteranomaly
140, 170, 235



Tritanomaly
87, 146, 219

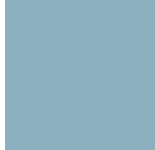
Monochromacy



Original Color
93, 151, 232



Achromatopsia
167, 167, 167



Achromatomaly
140, 161, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 93, 151, 232 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, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 193, 232)  
}
```

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, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 193, 232) }
```

Border

The CSS property to change the border of an element to RYB 93, 151, 232 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, 232) }
```

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

```
.border{ border-color:rgb(93, 193, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 193,  
232) }
```

Background

The CSS property to change the background color of an element to RGB 93, 193, 232 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, 232) }
```

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

```
.background{ background-color: rgb(93, 193,  
232) }
```

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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