

Converting Colors

`RYB(89, 151, 218)`

Have a look what the booklet for
RYB(89, 151, 218) contains.

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Color

R_YB(89, 151, 218)

Conversions

Conversions Part 1

Format	Color
Hex	59D0DA
RGB	89, 208, 218
RGB Percent	35%, 82%, 85%
CMY	0.6510, 0.1829, 0.1451
CMYK	0.59, 0.04, 0.00, 0.15
HSL	184°, 64%, 60%
HSV	184°, 59%, 85%
XYZ	39.4217, 52.4797, 74.3815
YIQ	173.5590, -74.1340, -22.1180

Conversions

Conversions Part 2

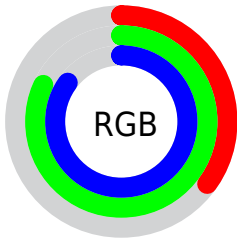
Format	Color
RYB	89, 151, 218
Decimal	5886170
CIELab	77.57, -30.43, -14.82
CIELCh	78, 33.843, 205.972
Yxy	52.4797, 0.2371, 0.3156
Android (android.graphics.Color)	4284076250 (0xFF59D0DA)
YUV	173.5590, 21.9094, -74.1582
Hunter-Lab	72.4429, -29.6397, -10.1666

Details

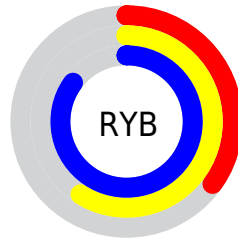
The RYB color **89, 151, 218** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **218, 100, 89**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **151, 203, 255**, and **0, 79, 163** is the 20% darker color. If you saturate the color by 10%, you get **67, 140, 218**, and if you desaturate by 10%, it is **111, 162, 218**.

Distribution



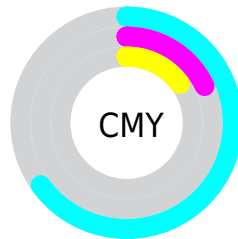
- Red (35%)
- Green (82%)
- Blue (85%)



- Red (35%)
- Yellow (59%)
- Blue (85%)



- Cyan (59%)
- Magenta (4%)
- Yellow (0%)
- Black (15%)



















- Cyan (65%)
- Magenta (18%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 151, 218 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 89, 151, 218 by changing the saturation by 10% instead.

 89, 151, 218	 89, 151, 218
 255, 255, 255	 54, 120, 190
 151, 203, 255	 0, 79, 163
 181, 218, 255	 0, 66, 137
 211, 233, 255	 0, 53, 111
 241, 248, 255	 0, 41, 87
	 0, 29, 64
	 0, 19, 42
	 0, 1, 22
	 0, 0, 0

■ 89, 151, 218

■ 89, 151, 218

■ 67, 140, 218

■ 111, 162, 218

■ 45, 128, 218

■ 133, 174, 218

■ 24, 117, 218

■ 154, 185, 218

■ 2, 106, 218

■ 176, 196, 218

■ 0, 105, 218

■ 198, 208, 218

■ 220, 218, 218

■ 242, 220, 218

■ 255, 221, 218

■ 255, 224, 218

Harmonies

Analogous

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



113, 168, 209



89, 151, 218



102, 161, 243

Triad

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



89, 151, 218



228, 175, 227



174, 218, 129

Complementary

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



89, 151, 218



218, 100, 89

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.



242, 199, 141



89, 151, 218



250, 168, 197

Square

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



89, 151, 218



190, 185, 248



254, 170, 166



135, 198, 148

Rectangle

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



89, 151, 218



128, 173, 252



254, 170, 166



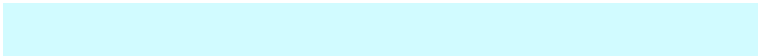
206, 227, 131

Sweetspot

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



89, 151, 218



209, 231, 255



89, 210, 218



99, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 151, 218



74, 161, 255



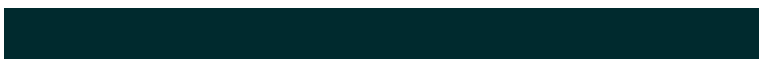
89, 128, 218



99, 104, 110



0, 83, 173



0, 22, 46

Inverse Universe

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



218, 89, 208



255, 74, 241



188, 218, 89



110, 99, 109



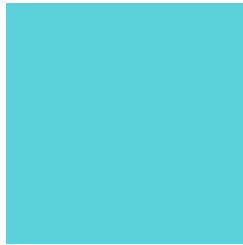
173, 0, 160



46, 0, 42

Previews

White Background



This preview shows how the RYB color 89, 151, 218 looks on a white background.

Color Contrast Check

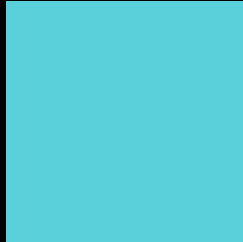
Large Text (above 18pt) WCAG AA × Fail

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 89, 151, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

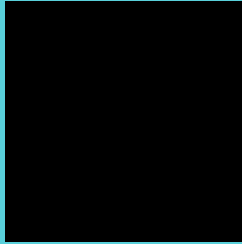
Any Text WCAG AA ✓ Pass

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 89, 151, 218 Background



This preview shows how black text looks on a background with the RYB color 89, 151, 218.

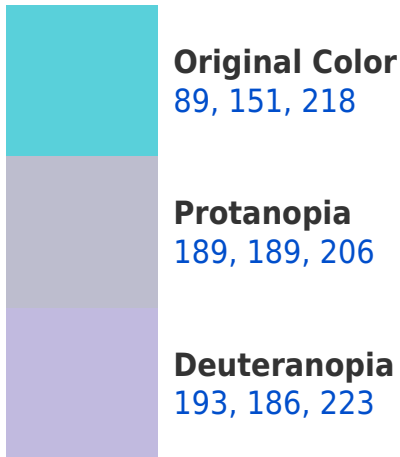


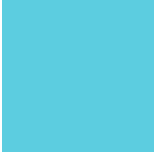
This preview shows how white text looks on a background with the RYB color 89, 151, 218.

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
92, 153, 224

Trichromacy



Original Color
89, 151, 218



Protanomaly
153, 178, 210



Deuteranomaly
155, 180, 221

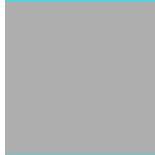


Tritanomaly
91, 153, 222

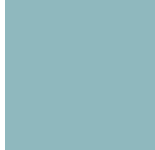
Monochromacy



Original Color
89, 151, 218



Achromatopsia
174, 174, 174



Achromatomaly
143, 165, 190

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 151, 218 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(89, 208, 218) looks like.

```
.text, #text, p{  
    color:rgb(89, 208, 218)  
}
```

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(89, 208, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 208, 218) }
```

Border

The CSS property to change the border of an element to RYB 89, 151, 218 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(89, 208, 218) }
```

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

```
.border{ border-color:rgb(89, 208, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 208, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 208, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 208, 218);  
box-shadow:4px 4px 4px 4px rgb(89, 208,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 89, 151, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 208, 218) }
```

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

```
.background{ background-color: rgb(89, 208,  
218) }
```

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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