

Converting Colors

`RYB(89, 174, 223)`

Have a look what the booklet for
RYB(89, 174, 223) contains.

RYB(89, 174, 223)	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

$\text{RYB}(89, 174, 223)$

Conversions

Conversions Part 1

Format	Color
Hex	59DFA6
RGB	89, 223, 166
RGB Percent	35%, 87%, 65%
CMY	0.6510, 0.1255, 0.3481
CMYK	0.60, 0.00, 0.25, 0.13
HSL	155°, 68%, 61%
HSV	155°, 60%, 87%
XYZ	37.4131, 57.6614, 45.3532
YIQ	176.4360, -61.5670, -46.1350

Conversions

Conversions Part 2

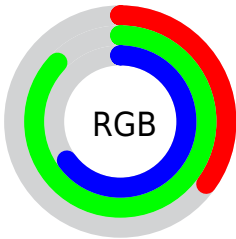
Format	Color
RYB	89, 174, 223
Decimal	5889958
CIELab	80.55, -49.73, 17.10
CIElCh	81, 52.587, 161.022
Yxy	57.6614, 0.2664, 0.4106
Android (android.graphics.Color)	4284080038 (0xFF59DFA6)
YUV	176.4360, -5.1449, -76.6814
Hunter-Lab	75.9351, -44.9398, 17.7429

Details

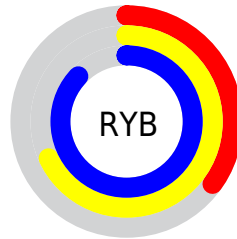
The RYB color **89, 174, 223** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **223, 89, 146**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **150, 213, 255**, and **0, 99, 167** is the 20% darker color. If you saturate the color by 10%, you get **67, 166, 223**, and if you desaturate by 10%, it is **111, 182, 223**.

Distribution



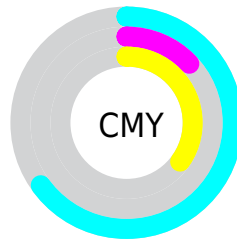
- Red (35%)
- Green (87%)
- Blue (65%)



- Red (35%)
- Yellow (68%)
- Blue (87%)



- Cyan (60%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)







- Cyan (65%)
- Magenta (13%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 174, 223 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, 174, 223 by changing the saturation by 10% instead.

 89, 174, 223	 89, 174, 223
 255, 255, 255	 55, 142, 195
 150, 213, 255	 0, 99, 167
 180, 219, 255	 0, 86, 140
 210, 233, 255	 0, 71, 113
 240, 248, 255	 0, 59, 88
	 0, 47, 63
	 0, 41, 41
	 0, 4, 4
	 0, 0, 0

■ 89, 174, 223

■ 89, 174, 223

■ 67, 166, 223

■ 111, 182, 223

■ 44, 158, 223

■ 134, 191, 223

■ 22, 149, 223

■ 156, 198, 223

■ 0, 141, 223

■ 178, 207, 223

■ 201, 215, 223

■ 223, 223, 223

■ 245, 223, 232

■ 255, 223, 242

■ 255, 223, 251

Harmonies

Analogous

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



123, 216, 180



89, 174, 223



0, 115, 225

Triad

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



89, 174, 223



153, 185, 255



255, 180, 138

Complementary

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



89, 174, 223



223, 89, 146

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, 160, 183



89, 174, 223



228, 180, 255

Square

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



89, 174, 223



0, 116, 255



255, 164, 233



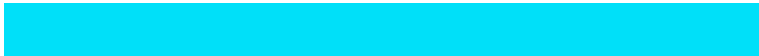
236, 255, 107

Rectangle

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



89, 174, 223



0, 118, 249



255, 164, 233



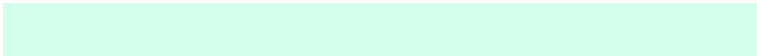
255, 167, 152

Sweetspot

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



89, 174, 223



209, 238, 255



89, 223, 165



99, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 174, 223



71, 188, 255



89, 154, 223



101, 108, 112



0, 112, 176



0, 30, 48

Inverse Universe

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



223, 89, 146



255, 71, 149



223, 99, 89



112, 101, 106



176, 0, 75



48, 0, 21

Previews

White Background



This preview shows how the RYB color 89, 174, 223 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, 174, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

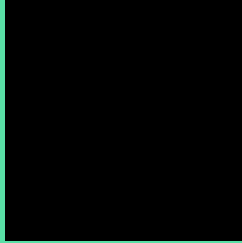
Any Text WCAG AA ✓ Pass

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 89, 174, 223 Background



This preview shows how black text looks on a background with the RYB color 89, 174, 223.

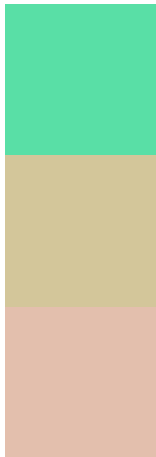


This preview shows how white text looks on a background with the RYB color 89, 174, 223.

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



Original Color
89, 174, 223

Protanopia
171, 211, 154

Deuteranopia
227, 200, 173



Tritanopia
111, 167, 232

Trichromacy



Original Color

89, 174, 223



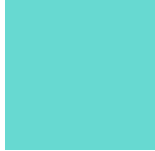
Protanomaly

158, 207, 198



Deuteranomaly

171, 203, 197



Tritanomaly

103, 162, 217

Monochromacy



Original Color

89, 174, 223



Achromatopsia

176, 176, 176



Achromatomaly

144, 175, 193

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 174, 223 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, 223, 166)` looks like.

```
.text, #text, p{  
    color:rgb(89, 223, 166)  
}
```

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, 223, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 223, 166) }
```

Border

The CSS property to change the border of an element to RYB 89, 174, 223 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, 223, 166) }
```

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

```
.border{ border-color:rgb(89, 223, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 223, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 223, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 223, 166);  
box-shadow:4px 4px 4px 4px rgb(89, 223,  
166) }
```

Background

The CSS property to change the background color of an element to RGB 89, 174, 223 is called "background".

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

```
.background, #background, body{  
background: rgb(89, 223, 166) }
```

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

```
.background{ background-color: rgb(89, 223,  
166) }
```

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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