

Converting Colors

`RYB(89, 171, 252)`

Have a look what the booklet for RYB(89, 171, 252) contains.

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Color

R_YB(89, 171, 252)

Conversions

Conversions Part 1

Format	Color
Hex	59FCFA
RGB	89, 252, 250
RGB Percent	35%, 99%, 98%
CMY	0.6510, 0.0118, 0.0196
CMYK	0.65, 0.00, 0.01, 0.01
HSL	179°, 96%, 67%
HSV	179°, 65%, 99%
XYZ	56.1875, 78.6475, 102.6716
YIQ	203.0350, -96.5060, -35.1780

Conversions

Conversions Part 2

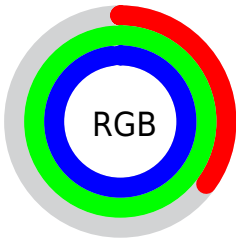
Format	Color
RYB	89, 171, 252
Decimal	5897466
CIELab	91.07, -41.89, -11.51
CIElCh	91, 43.447, 195.363
Yxy	78.6475, 0.2366, 0.3311
Android (android.graphics.Color)	4284087546 (0xFF59FCFA)
YUV	203.0350, 23.1537, -100.0087
Hunter-Lab	88.6835, -42.1032, -6.5635

Details

The RYB color **89, 171, 252** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **252, 89, 91**, and the grayscale version is **203, 203, 203**.

A 20% lighter version of the original color is **157, 206, 255**, and **0, 98, 195** is the 20% darker color. If you saturate the color by 10%, you get **64, 159, 252**, and if you desaturate by 10%, it is **114, 184, 252**.

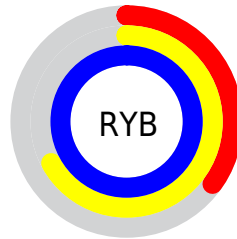
Distribution



Red (35%)

Green (99%)

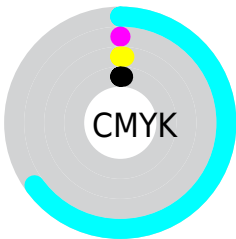
Blue (98%)



Red (35%)

Yellow (67%)

Blue (99%)

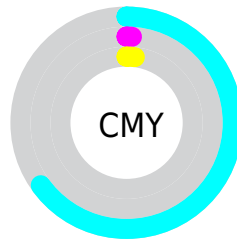


Cyan (65%)

Magenta (0%)

Yellow (1%)

Black (1%)



Cyan (65%)

















Magenta (1%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the RYB color 89, 171, 252 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, 171, 252 by changing the saturation by 10% instead.


 89, 171, 252	 89, 171, 252
 255, 255, 255	 45, 135, 223
 157, 206, 255	 0, 98, 195
 189, 222, 255	 0, 84, 167
 220, 238, 255	 0, 70, 140
 252, 254, 255	 0, 57, 115
	 0, 45, 90
	 0, 33, 67
	 0, 22, 45
	 0, 7, 25

 89, 171, 252


 89, 171, 252

 64, 159, 252

 114, 184, 252

 39, 146, 252

 139, 196, 252

 13, 133, 252

 165, 209, 252

 0, 127, 252

 190, 221, 252

 215, 234, 252

 240, 246, 252

 255, 252, 252

 255, 252, 253

Harmonies

Analogous

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



138, 208, 251



89, 171, 252



82, 167, 255

Triad

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



89, 171, 252



255, 211, 255



201, 255, 149

Complementary

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



89, 171, 252



252, 89, 91

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, 230, 172



89, 171, 252



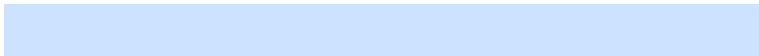
255, 200, 252

Square

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



89, 171, 252



205, 220, 255



255, 198, 209



150, 236, 148

Rectangle

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



89, 171, 252



116, 182, 255



255, 198, 209



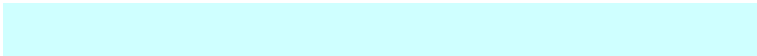
222, 255, 155

Sweetspot

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



89, 171, 252



207, 231, 255



89, 252, 249



98, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 171, 252



56, 156, 255



89, 144, 252



112, 119, 125



0, 95, 189



0, 31, 61

Inverse Universe

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



252, 89, 91



255, 56, 59



252, 242, 89



125, 112, 113



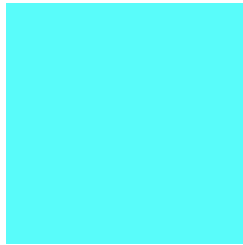
189, 0, 2



61, 0, 1

Previews

White Background



This preview shows how the RYB color 89, 171, 252 looks on a white background.

Color Contrast Check

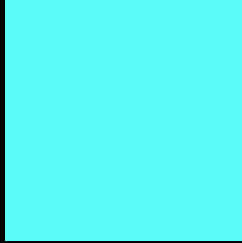
Large Text (above 18pt) WCAG AA × Fail

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, 171, 252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

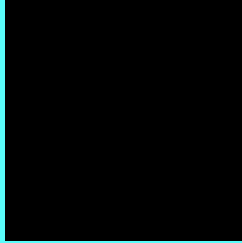
Any Text WCAG AA ✓ Pass

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](#).

RGB 89, 171, 252 Background



This preview shows how black text looks on a background with the RGB color 89, 171, 252.



This preview shows how white text looks on a background with the RGB color 89, 171, 252.

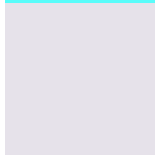
Color Blindness Simulation

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](#).

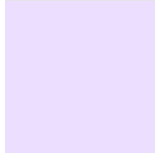
Dichromacy



Original Color
89, 171, 252



Protanopia
230, 226, 234



Deuteranopia
236, 222, 255



Tritanopia
161, 204, 255

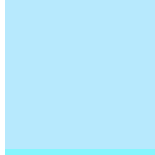
Trichromacy



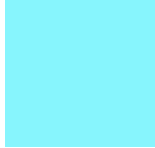
Original Color
89, 171, 252



Protanomaly
179, 208, 240



Deuteranomaly
183, 212, 253

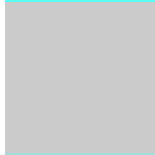


Tritanomaly
135, 192, 253

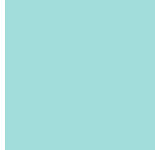
Monochromacy



Original Color
89, 171, 252



Achromatopsia
203, 203, 203



Achromatomaly
162, 192, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 171, 252 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, 252, 250) looks like.

```
.text, #text, p{  
    color:rgb(89, 252, 250)  
}
```

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, 252, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 252, 250) }
```

Border

The CSS property to change the border of an element to RYB 89, 171, 252 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, 252, 250) }
```

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

```
.border{ border-color:rgb(89, 252, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 252, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 252, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 252, 250);  
box-shadow:4px 4px 4px 4px rgb(89, 252,  
250) }
```

Background

The CSS property to change the background color of an element to RGB 89, 171, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 252, 250) }
```

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

```
.background{ background-color: rgb(89, 252,  
250) }
```

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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