

Converting Colors

`RYB(89, 146, 203)`

Have a look what the booklet for
RYB(89, 146, 203) contains.

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Color

$\text{RYB}(89, 146, 203)$

Conversions

Conversions Part 1

Format	Color
Hex	59CBCB
RGB	89, 203, 203
RGB Percent	35%, 80%, 80%
CMY	0.6510, 0.2039, 0.2039
CMYK	0.56, 0.00, 0.00, 0.20
HSL	180°, 52%, 57%
HSV	180°, 56%, 80%
XYZ	36.2553, 49.1475, 64.0755
YIQ	168.9140, -67.9440, -24.1680

Conversions

Conversions Part 2

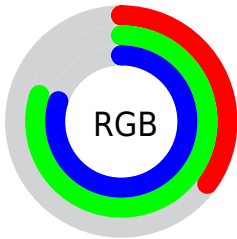
Format	Color
R _Y B	89, 146, 203
Decimal	5884875
CIE Lab	75.54, -31.97, -9.77
CIE LCh	76, 33.424, 196.991
Yxy	49.1475, 0.2425, 0.3288
Android (android.graphics.Color)	4284074955 (0xFF59CBCB)
YUV	168.9140, 16.8044, -70.0846
Hunter-Lab	70.1053, -30.3722, -5.1167

Details

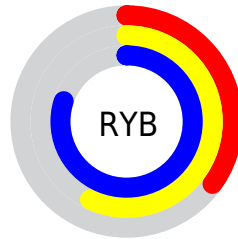
The RYB color **89, 146, 203** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **203, 89, 89**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **149, 202, 255**, and **0, 74, 149** is the 20% darker color. If you saturate the color by 10%, you get **69, 136, 203**, and if you desaturate by 10%, it is **109, 156, 203**.

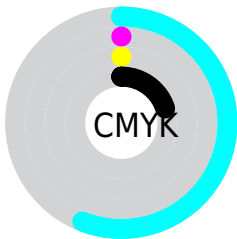
Distribution



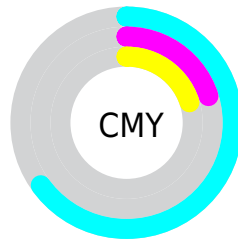
- Red (35%)
- Green (80%)
- Blue (80%)



- Red (35%)
- Yellow (57%)
- Blue (80%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



















- Cyan (65%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 146, 203 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, 146, 203 by changing the saturation by 10% instead.

 89, 146, 203	 89, 146, 203
 255, 255, 255	 56, 116, 176
 149, 202, 255	 0, 74, 149
 179, 217, 255	 0, 61, 123
 208, 232, 255	 0, 49, 98
 239, 247, 255	 0, 37, 75
	 0, 25, 52
	 0, 15, 31
	 0, 0, 5
	 0, 0, 0

■ 89, 146, 203

■ 89, 146, 203

■ 69, 136, 203

■ 109, 156, 203

■ 48, 126, 203

■ 130, 167, 203

■ 28, 116, 203

■ 150, 177, 203

■ 8, 106, 203

■ 170, 187, 203

■ 0, 102, 203

■ 191, 197, 203

■ 211, 203, 203

■ 231, 203, 203

■ 251, 203, 203

■ 255, 203, 203

Harmonies

Analogous

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



119, 170, 202



89, 146, 203



89, 151, 230

Triad

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



89, 146, 203



212, 172, 228



196, 220, 126

Complementary

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



89, 146, 203



203, 89, 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.



240, 181, 142



89, 146, 203



238, 164, 201

Square

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



89, 146, 203



171, 181, 245



248, 163, 170



127, 190, 127

Rectangle

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



89, 146, 203



111, 163, 242



248, 163, 170



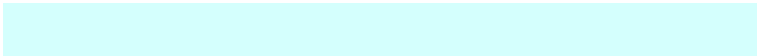
228, 217, 130

Sweetspot

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



89, 146, 203



212, 234, 255



89, 203, 203



102, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 146, 203



84, 170, 255



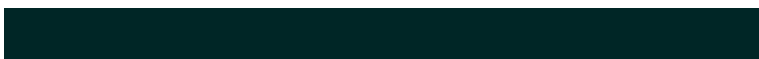
89, 127, 203



92, 97, 102



0, 83, 166



0, 19, 38

Inverse Universe

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



203, 89, 203



255, 84, 255



203, 203, 89



102, 92, 102



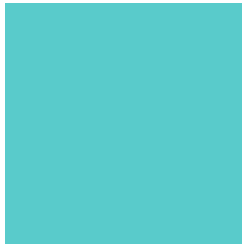
166, 0, 166



38, 0, 38

Previews

White Background



This preview shows how the RYB color 89, 146, 203 looks on a white background.

Color Contrast Check

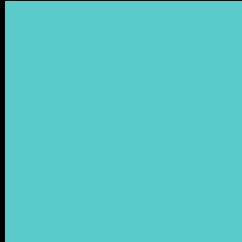
Large Text (above 18pt) WCAG AA × Fail

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, 146, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

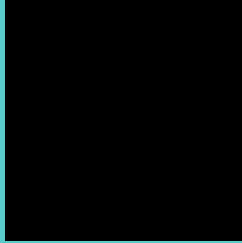
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

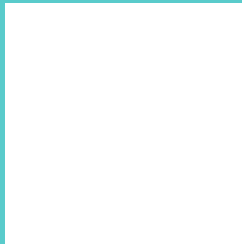
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 89, 146, 203 Background



This preview shows how black text looks on a background with the R Y B color 89, 146, 203.



This preview shows how white text looks on a background with the R Y B color 89, 146, 203.

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
95, 152, 217

Trichromacy



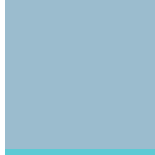
Original Color

89, 146, 203



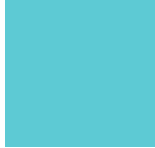
Protanomaly

151, 172, 195



Deuteranomaly

155, 175, 206



Tritanomaly

93, 150, 212

Monochromacy



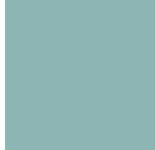
Original Color

89, 146, 203



Achromatopsia

169, 169, 169



Achromatomaly

140, 161, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 146, 203 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, 203, 203)` looks like.

```
.text, #text, p{  
    color:rgb(89, 203, 203)  
}
```

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, 203, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 203, 203) }
```

Border

The CSS property to change the border of an element to RYB 89, 146, 203 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, 203, 203) }
```

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

```
.border{ border-color:rgb(89, 203, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 203, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 203, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 203, 203);  
box-shadow:4px 4px 4px 4px rgb(89, 203,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 89, 146, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 203, 203) }
```

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

```
.background{ background-color: rgb(89, 203,  
203) }
```

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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