

Converting Colors

`RYB(89, 156, 217)`

Have a look what the booklet for
RYB(89, 156, 217) contains.

RYB(89, 156, 217)	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

$\text{RYB}(89, 156, 217)$

Conversions

Conversions Part 1

Format	Color
Hex	59D9CE
RGB	89, 217, 206
RGB Percent	35%, 85%, 81%
CMY	0.6510, 0.1490, 0.1940
CMYK	0.59, 0.00, 0.05, 0.15
HSL	175°, 63%, 60%
HSV	175°, 59%, 85%
XYZ	40.0171, 56.1833, 66.8336
YIQ	177.4740, -72.7570, -30.5570

Conversions

Conversions Part 2

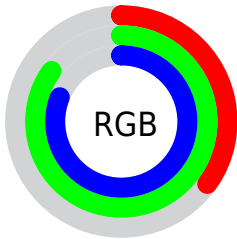
Format	Color
R _Y B	89, 156, 217
Decimal	5888462
CIE Lab	79.72, -37.83, -4.94
CIE LCh	80, 38.151, 187.440
Yxy	56.1833, 0.2455, 0.3446
Android (android.graphics.Color)	4284078542 (0xFF59D9CE)
YUV	177.4740, 14.0633, -77.5917
Hunter-Lab	74.9555, -35.8750, -0.3966

Details

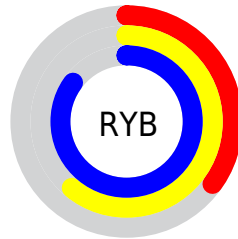
The RYB color **89, 156, 217** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **217, 89, 100**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **151, 203, 255**, and **0, 83, 161** is the 20% darker color. If you saturate the color by 10%, you get **67, 145, 217**, and if you desaturate by 10%, it is **111, 167, 217**.

Distribution



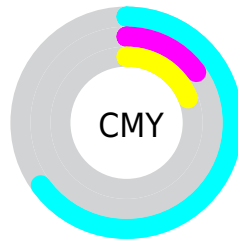
- Red (35%)
- Green (85%)
- Blue (81%)



- Red (35%)
- Yellow (61%)
- Blue (85%)



- Cyan (59%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



















- Cyan (65%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 156, 217 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, 156, 217 by changing the saturation by 10% instead.

 89, 156, 217	 89, 156, 217
 255, 255, 255	 54, 124, 189
 151, 203, 255	 0, 83, 161
 181, 218, 255	 0, 70, 135
 211, 233, 255	 0, 57, 109
 241, 248, 255	 0, 44, 84
	 0, 32, 60
	 0, 21, 39
	 0, 0, 11
	 0, 0, 0

■ 89, 156, 217

■ 89, 156, 217

■ 67, 145, 217

■ 111, 167, 217

■ 46, 135, 217

■ 132, 177, 217

■ 24, 125, 217

■ 154, 187, 217

■ 2, 114, 217

■ 176, 198, 217

■ 0, 113, 217

■ 198, 208, 217

■ 219, 217, 217

■ 241, 217, 219

■ 255, 217, 221

■ 255, 217, 223

Harmonies

Analogous

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



132, 189, 215



89, 156, 217



70, 148, 240

Triad

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



89, 156, 217



214, 185, 254



245, 234, 133

Complementary

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



89, 156, 217



217, 89, 100

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, 180, 156



89, 156, 217



250, 174, 226

Square

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



89, 156, 217



162, 188, 255



255, 170, 190



144, 213, 126

Rectangle

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



89, 156, 217



89, 159, 255



255, 170, 190



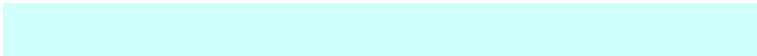
253, 208, 139

Sweetspot

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



89, 156, 217



209, 233, 255



89, 217, 204



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



89, 156, 217



74, 169, 255



89, 137, 217



99, 105, 110



0, 90, 173



0, 24, 46

Inverse Universe

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



217, 89, 100



255, 74, 90



217, 174, 89



110, 99, 100



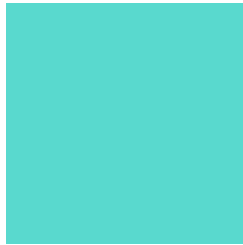
173, 0, 16



46, 0, 4

Previews

White Background



This preview shows how the RYB color 89, 156, 217 looks on a white background.

Color Contrast Check

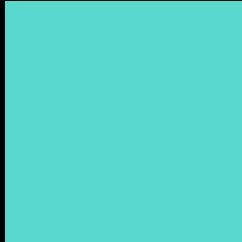
Large Text (above 18pt) WCAG AA × Fail

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, 156, 217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

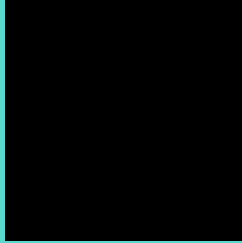
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

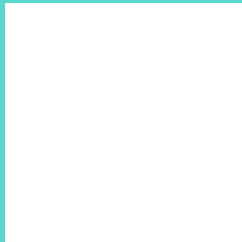
Any Text WCAG AAA ✓ Pass

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

RYB 89, 156, 217 Background



This preview shows how black text looks on a background with the RYB color 89, 156, 217.

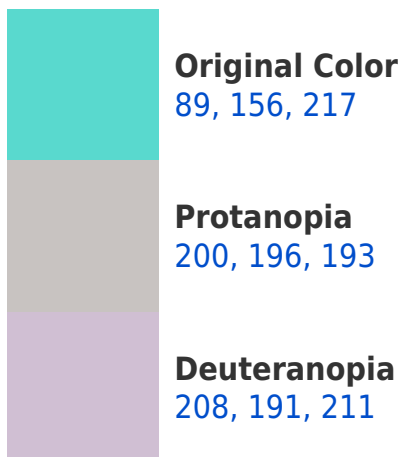


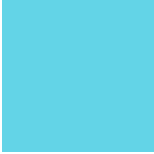
This preview shows how white text looks on a background with the RYB color 89, 156, 217.

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
99, 160, 231

Trichromacy



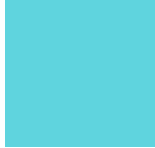
Original Color
89, 156, 217



Protanomaly
160, 183, 203



Deuteranomaly
165, 184, 209

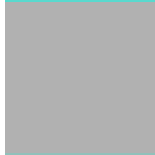


Tritanomaly
95, 156, 222

Monochromacy



Original Color
89, 156, 217



Achromatopsia
177, 177, 177



Achromatomaly
145, 170, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 156, 217 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, 217, 206)` looks like.

```
.text, #text, p{  
    color:rgb(89, 217, 206)  
}
```

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, 217, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 206) }
```

Border

The CSS property to change the border of an element to RYB 89, 156, 217 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, 217, 206) }
```

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

```
.border{ border-color:rgb(89, 217, 206) }
```

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

Here you see how a box with a 4 pixel rgb(89, 217, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 206);  
box-shadow:4px 4px 4px 4px rgb(89, 217,  
206) }
```

Background

The CSS property to change the background color of an element to RGB 89, 156, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 206) }
```

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

```
.background{ background-color: rgb(89, 217,  
206) }
```

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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