

Converting Colors

`RYB(89, 141, 193)`

Have a look what the booklet for
RYB(89, 141, 193) contains.

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Color

$\text{RYB}(89, 141, 193)$

Conversions

Conversions Part 1

Format	Color
Hex	59C1C1
RGB	89, 193, 193
RGB Percent	35%, 76%, 76%
CMY	0.6510, 0.2431, 0.2431
CMYK	0.54, 0.00, 0.00, 0.24
HSL	180°, 46%, 55%
HSV	180°, 54%, 76%
XYZ	32.8154, 44.1140, 57.2374
YIQ	161.9040, -61.9840, -22.0480

Conversions

Conversions Part 2

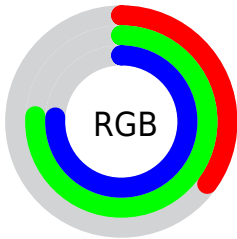
Format	Color
RYB	89, 141, 193
Decimal	5882305
CIELab	72.30, -29.86, -9.16
CIElCh	72, 31.233, 197.060
Yxy	44.1140, 0.2446, 0.3288
Android (android.graphics.Color)	4284072385 (0xFF59C1C1)
YUV	161.9040, 15.3303, -63.9368
Hunter-Lab	66.4184, -28.0405, -4.6015

Details

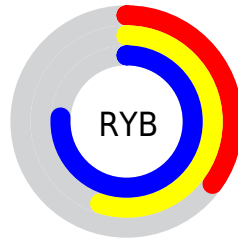
The RYB color **89, 141, 193** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **193, 89, 89**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **148, 199, 250**, and **12, 76, 140** is the 20% darker color. If you saturate the color by 10%, you get **70, 132, 193**, and if you desaturate by 10%, it is **108, 151, 193**.

Distribution



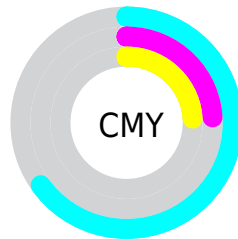
- Red (35%)
- Green (76%)
- Blue (76%)



- Red (35%)
- Yellow (55%)
- Blue (76%)



- Cyan (54%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)




- Cyan (65%)
- Magenta (24%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 141, 193 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, 141, 193 by changing the saturation by 10% instead.

 89, 141, 193


255, 255, 255


 148, 199, 250

 177, 216, 255

 206, 231, 255

 236, 246, 255

 89, 141, 193

 57, 112, 166


 12, 76, 140

 0, 57, 114


 0, 44, 90


 0, 32, 66

 0, 21, 44

 0, 10, 24

 0, 0, 0

 89, 141, 193

 89, 141, 193

■ 70, 132, 193

■ 108, 151, 193

■ 50, 122, 193

■ 128, 161, 193

■ 31, 112, 193

■ 147, 170, 193

■ 12, 103, 193

■ 166, 180, 193

■ 0, 97, 193

■ 186, 190, 193

■ 205, 193, 193

■ 224, 193, 193

■ 243, 193, 193

■ 255, 193, 193

Harmonies

Analogous

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



115, 162, 192



89, 141, 193



89, 146, 218

Triad

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



89, 141, 193



201, 164, 216



189, 209, 122

Complementary

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



89, 141, 193



193, 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.



228, 171, 137



89, 141, 193



226, 157, 191

Square

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



89, 141, 193



164, 173, 232



235, 156, 162



122, 181, 122

Rectangle

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



89, 141, 193



109, 156, 229



235, 156, 162



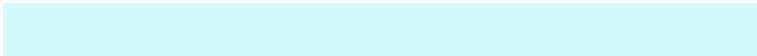
216, 207, 125

Sweetspot

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



89, 141, 193



210, 230, 250



89, 193, 193



101, 113, 125



252, 252, 252



125, 125, 125

Same Dimension

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



89, 141, 193



87, 169, 250



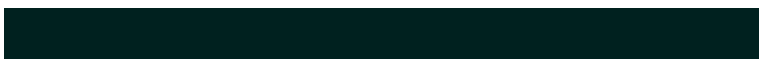
89, 124, 193



87, 92, 97



0, 81, 161



0, 17, 33

Inverse Universe

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



193, 89, 193



250, 87, 250



193, 193, 89



97, 87, 97



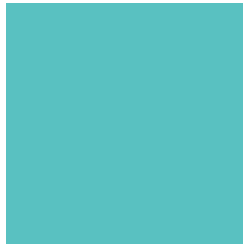
161, 0, 161



33, 0, 33

Previews

White Background



This preview shows how the RYB color 89, 141, 193 looks on a white background.

Color Contrast Check

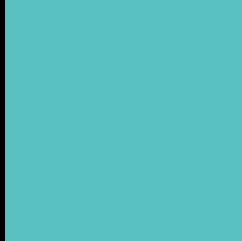
Large Text (above 18pt) WCAG AA × Fail

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, 141, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

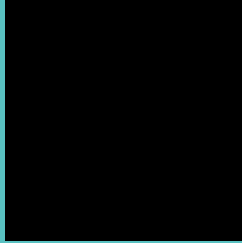
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

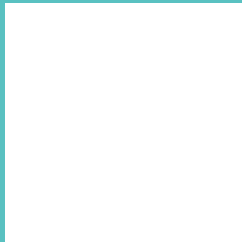
Any Text WCAG AAA ✓ Pass

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

R_YB 89, 141, 193 Background



This preview shows how black text looks on a background with the R_YB color 89, 141, 193.

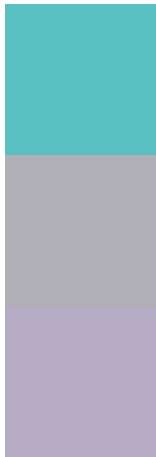


This preview shows how white text looks on a background with the R_YB color 89, 141, 193.

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, 141, 193

Protanopia
177, 175, 182

Deuteranopia
183, 172, 198



Tritanopia
94, 146, 206

Trichromacy



Original Color

89, 141, 193



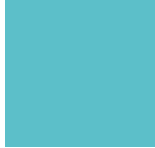
Protanomaly

145, 164, 186



Deuteranomaly

149, 168, 196



Tritanomaly

92, 144, 201

Monochromacy



Original Color

89, 141, 193



Achromatopsia

162, 162, 162



Achromatomaly

135, 154, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 141, 193 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, 193, 193)` looks like.

```
.text, #text, p{  
    color:rgb(89, 193, 193)  
}
```

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, 193, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 193, 193) }
```

Border

The CSS property to change the border of an element to RYB 89, 141, 193 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, 193, 193) }
```

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

```
.border{ border-color:rgb(89, 193, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 193, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 193, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 193, 193);  
box-shadow:4px 4px 4px 4px rgb(89, 193,  
193) }
```

Background

The CSS property to change the background color of an element to RGB 89, 141, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 193, 193) }
```

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

```
.background{ background-color: rgb(89, 193,  
193) }
```

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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