

Converting Colors

RGB(83, 172, 201)

Have a look what the booklet for
RGB(83, 172, 201) contains.

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Color

RGB(83, 172, 201)

Conversions

Conversions Part 1

Format	Color
Hex	53ACC9
RGB	83, 172, 201
RGB Percent	33%, 67%, 79%
CMY	0.6745, 0.3255, 0.2118
CMYK	0.59, 0.14, 0.00, 0.21
HSL	195°, 52%, 56%
HSV	195°, 59%, 79%
XYZ	28.8624, 35.5611, 60.6011
YIQ	148.6950, -62.3530, -9.8490

Conversions

Conversions Part 2

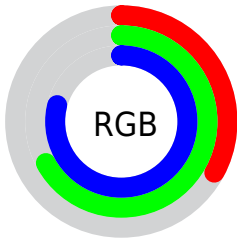
Format	Color
R_{YB}	83, 134, 201
Decimal	5483721
CIE _{Lab}	66.18, -18.16, -22.82
CIE _{LCh}	66, 29.166, 231.480
Yxy	35.5611, 0.2309, 0.2844
Android (android.graphics.Color)	4283673801 (0xFF53ACC9)
YUV	148.6950, 25.7864, -57.6145
Hunter-Lab	59.6331, -17.9640, -18.5092

Details

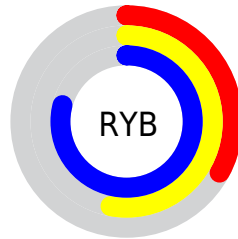
The RGB color **83, 172, 201** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **201, 112, 83**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **142, 227, 255**, and **0, 120, 147** is the 20% darker color. If you saturate the color by 10%, you get **63, 167, 201**, and if you desaturate by 10%, it is **103, 177, 201**.

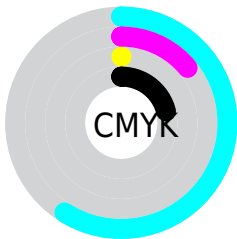
Distribution



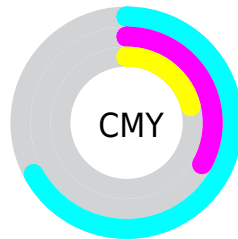
- Red (33%)
- Green (67%)
- Blue (79%)



- Red (33%)
- Yellow (53%)
- Blue (79%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)





- Cyan (67%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the RGB color 83, 172, 201 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 RGB color 83, 172, 201 by changing the saturation by 10% instead.

 83, 172, 201

 83, 172, 201

255, 255, 255

 50, 145, 174

 142, 227, 255

 0, 120, 147

 171, 255, 255

 0, 95, 121

 200, 255, 255

 0, 71, 96


 230, 255, 255

 0, 48, 72

 0, 29, 50

 0, 2, 29

 0, 0, 0

 83, 172, 201

 83, 172, 201

■ 63, 167, 201

■ 103, 177, 201

■ 43, 162, 201

■ 123, 182, 201

■ 23, 157, 201

■ 143, 187, 201

■ 3, 152, 201

■ 163, 192, 201

■ 0, 152, 201

■ 184, 197, 201

■ 204, 202, 201

■ 224, 207, 201

■ 244, 212, 201

■ 255, 216, 201

Harmonies

Analogous

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



78, 175, 179



83, 172, 201



115, 166, 212

Triad

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



83, 172, 201



207, 142, 169



160, 165, 112

Complementary

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



83, 172, 201



201, 112, 83

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.



186, 157, 109



83, 172, 201



213, 142, 143

Square

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



83, 172, 201



187, 148, 194



205, 148, 121



130, 171, 128

Rectangle

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



83, 172, 201



141, 160, 212



205, 148, 121



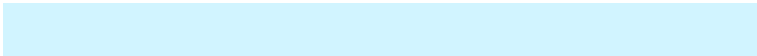
169, 162, 109

Sweetspot

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



83, 172, 201



209, 244, 255



83, 201, 111



99, 121, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 172, 201



77, 211, 255



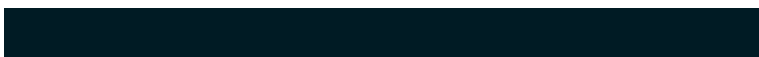
83, 114, 201



90, 97, 99



0, 123, 163



0, 27, 36

Inverse Universe

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



201, 83, 172



255, 77, 211



201, 170, 83



99, 90, 97



163, 0, 123



36, 0, 27

Previews

White Background



This preview shows how the RGB color 83, 172, 201 looks on a white background.

Color Contrast Check

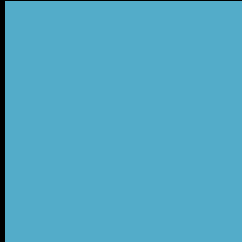
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 83, 172, 201 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 83, 172, 201 Background



This preview shows how black text looks on a background with the RGB color 83, 172, 201.

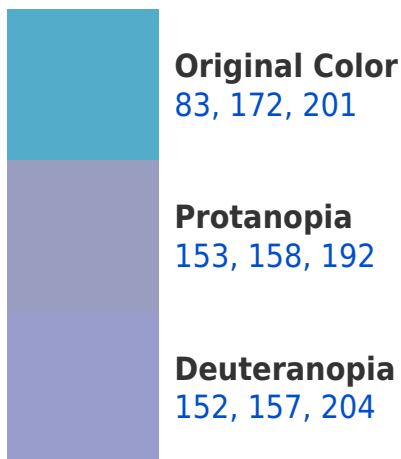


This preview shows how white text looks on a background with the RGB color 83, 172, 201.

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
78, 174, 188

Trichromacy



Original Color
83, 172, 201

Protanomaly
128, 163, 195

Deuteranomaly
127, 162, 203

Tritanomaly
80, 173, 193

Monochromacy



Original Color
83, 172, 201

Achromatopsia
149, 149, 149

Achromatomaly
125, 157, 168

CSS Examples

Text

The CSS property to change the color of the text to RGB 83, 172, 201 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(83, 172, 201)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 201)  
}
```

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(83, 172, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 201) }
```

Border

The CSS property to change the border of an element to RGB 83, 172, 201 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(83, 172, 201) }
```

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

```
.border{ border-color:rgb(83, 172, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 201);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
201) }
```

Background

The CSS property to change the background color of an element to RGB 83, 172, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 201) }
```

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

```
.background{ background-color: rgb(83, 172,  
201) }
```

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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