

Converting Colors

RGB(51, 169, 204)

Have a look what the booklet for
RGB(51, 169, 204) contains.

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Color

RGB(51, 169, 204)

Conversions

Conversions Part 1

Format	Color
Hex	33A9CC
RGB	51, 169, 204
RGB Percent	20%, 66%, 80%
CMY	0.8000, 0.3373, 0.2000
CMYK	0.75, 0.17, 0.00, 0.20
HSL	194°, 60%, 50%
HSV	194°, 75%, 80%
XYZ	26.4523, 33.4394, 62.1870
YIQ	137.7080, -81.5630, -14.1310

Conversions

Conversions Part 2

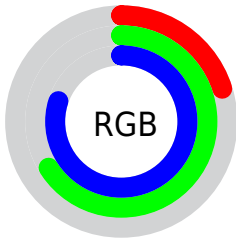
Format	Color
RYB	51, 118, 204
Decimal	3385804
CIELab	64.52, -20.60, -27.12
CIElCh	65, 34.056, 232.776
Yxy	33.4394, 0.2167, 0.2739
Android (android.graphics.Color)	4281575884 (0xFF33A9CC)
YUV	137.7080, 32.6820, -76.0429
Hunter-Lab	57.8268, -19.5438, -23.2818

Details

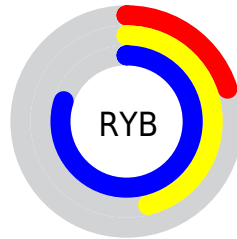
The RGB color **51, 169, 204** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **204, 86, 51**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **119, 224, 255**, and **0, 117, 150** is the 20% darker color. If you saturate the color by 10%, you get **31, 164, 204**, and if you desaturate by 10%, it is **71, 174, 204**.

Distribution



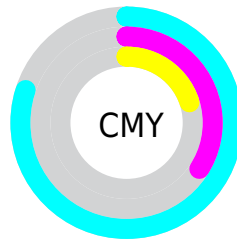
- Red (20%)
- Green (66%)
- Blue (80%)



- Red (20%)
- Yellow (46%)
- Blue (80%)



- Cyan (75%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)




















- Cyan (80%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RGB color 51, 169, 204 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 51, 169, 204 by changing the saturation by 10% instead.

 51, 169, 204	 51, 169, 204
 255, 255, 255	 0, 142, 176
 119, 224, 255	 0, 117, 150
 150, 253, 255	 0, 92, 124
 180, 255, 255	 0, 68, 99
 210, 255, 255	 0, 46, 75
 241, 255, 255	 0, 27, 52
	 0, 2, 30
	 0, 0, 1
	 0, 0, 0

■ 51, 169, 204

■ 51, 169, 204

■ 31, 164, 204

■ 71, 174, 204

■ 10, 160, 204

■ 92, 178, 204

■ 0, 157, 204

■ 112, 183, 204

■ 133, 188, 204

■ 153, 192, 204

■ 173, 197, 204

■ 194, 202, 204

■ 214, 206, 204

■ 235, 211, 204

Harmonies

Analogous

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



41, 173, 179



51, 169, 204



101, 162, 216

Triad

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



51, 169, 204



211, 134, 165



153, 162, 99

Complementary

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



51, 169, 204



204, 86, 51

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.



183, 152, 96



51, 169, 204



216, 134, 134

Square

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



51, 169, 204



188, 140, 194



206, 142, 109



118, 169, 119

Rectangle

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



51, 169, 204



134, 155, 215



206, 142, 109



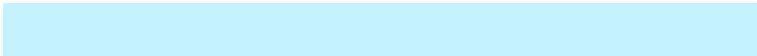
164, 159, 96

Sweetspot

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



51, 169, 204



196, 242, 255



51, 204, 84



92, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



51, 169, 204



25, 203, 255



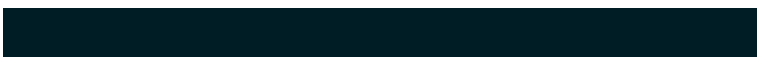
51, 94, 204



92, 100, 102



0, 128, 166



0, 29, 38

Inverse Universe

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



204, 51, 169



255, 25, 203



204, 161, 51



102, 92, 100



166, 0, 128



38, 0, 29

Previews

White Background



This preview shows how the RGB color 51, 169, 204 looks on a white background.

Color Contrast Check

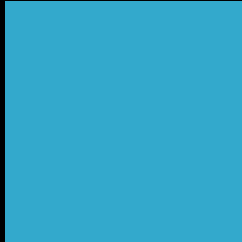
Large Text (above 18pt) WCAG AA × Fail

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 51, 169, 204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

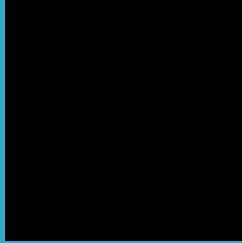
Any Text WCAG AA ✓ Pass

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 51, 169, 204 Background



This preview shows how black text looks on a background with the RGB color 51, 169, 204.

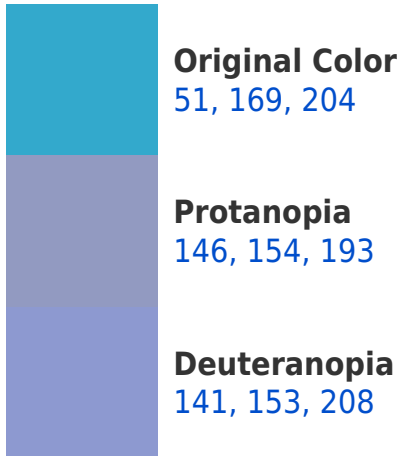


This preview shows how white text looks on a background with the RGB color 51, 169, 204.

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





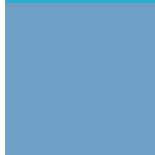
Tritanopia
35, 172, 186

Trichromacy



Original Color

51, 169, 204



Protanomaly

111, 159, 197



Deuteranomaly

108, 159, 207



Tritanomaly

41, 171, 193

Monochromacy



Original Color

51, 169, 204



Achromatopsia

138, 138, 138



Achromatomaly

106, 149, 162

CSS Examples

Text

The CSS property to change the color of the text to RGB 51, 169, 204 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(51, 169, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 169, 204)  
}
```

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(51, 169, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 169, 204) }
```

Border

The CSS property to change the border of an element to RGB 51, 169, 204 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(51, 169, 204) }
```

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

```
.border{ border-color:rgb(51, 169, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 169, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 169, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 169, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 169,  
204) }
```

Background

The CSS property to change the background color of an element to RGB 51, 169, 204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 169, 204) }
```

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

```
.background{ background-color: rgb(51, 169,  
204) }
```

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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