

Converting Colors

RGB(100, 200, 219)

Have a look what the booklet for
RGB(100, 200, 219) contains.

RGB(100, 200, 219)	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

RGB(100, 200, 219)

Conversions

Conversions Part 1

Format	Color
Hex	64C8DB
RGB	100, 200, 219
RGB Percent	39%, 78%, 86%
CMY	0.6078, 0.2157, 0.1412
CMYK	0.54, 0.09, 0.00, 0.14
HSL	190°, 62%, 63%
HSV	190°, 54%, 86%
XYZ	38.6960, 49.1324, 74.4618
YIQ	172.2660, -65.6990, -15.2910

Conversions

Conversions Part 2

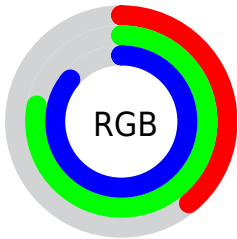
Format	Color
RYB	100, 154, 219
Decimal	6605019
CIELab	75.53, -23.96, -18.39
CIElCh	76, 30.207, 217.502
Yxy	49.1324, 0.2384, 0.3027
Android (android.graphics.Color)	4284795099 (0xFF64C8DB)
YUV	172.2660, 23.0399, -63.3773
Hunter-Lab	70.0945, -24.1235, -13.9180

Details

The RGB color **100, 200, 219** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **219, 119, 100**, and the grayscale version is **172, 172, 172**.

A 20% lighter version of the original color is **159, 255, 255**, and **30, 146, 164** is the 20% darker color. If you saturate the color by 10%, you get **78, 197, 219**, and if you desaturate by 10%, it is **122, 203, 219**.

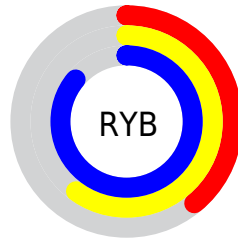
Distribution



Red (39%)

Green (78%)

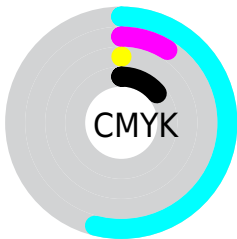
Blue (86%)



Red (39%)

Yellow (60%)

Blue (86%)

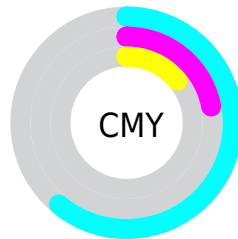


Cyan (54%)

Magenta (9%)

Yellow (0%)

Black (14%)



Cyan (61%)

Magenta (22%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 200, 219 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 100, 200, 219 by changing the saturation by 10% instead.

 100, 200, 219

255, 255, 255


 159, 255, 255


 189, 255, 255

 218, 255, 255

 248, 255, 255

 100, 200, 219

 69, 173, 191

 30, 146, 164

 0, 120, 138

 0, 95, 112

 0, 71, 88

 0, 48, 64

 0, 29, 42

 0, 1, 22

 0, 0, 0

■ 100, 200, 219

■ 100, 200, 219

■ 78, 197, 219

■ 122, 203, 219

■ 56, 193, 219

■ 144, 207, 219

■ 34, 190, 219

■ 166, 210, 219

■ 12, 186, 219

■ 188, 214, 219

■ 0, 184, 219

■ 210, 217, 219

■ 231, 221, 219

■ 253, 224, 219

■ 255, 228, 219

■ 255, 231, 219

Harmonies

Analogous

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



109, 202, 192



100, 200, 219



122, 195, 237

Triad

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



100, 200, 219



228, 168, 208



199, 187, 131

Complementary

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



100, 200, 219



219, 119, 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.



224, 177, 135



100, 200, 219



241, 165, 180

Square

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



100, 200, 219



199, 176, 230



239, 169, 153



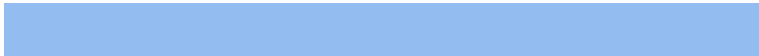
168, 195, 141

Rectangle

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



100, 200, 219



147, 189, 241



239, 169, 153



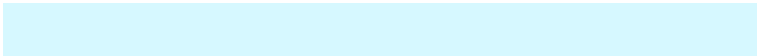
208, 183, 131

Sweetspot

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



100, 200, 219



214, 248, 255



100, 219, 118



103, 124, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 200, 219



89, 229, 255



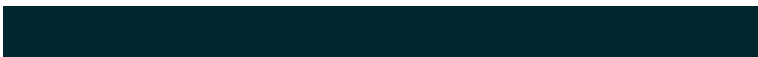
100, 142, 219



99, 108, 110



0, 146, 173



0, 39, 46

Inverse Universe

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



219, 100, 200



255, 89, 229



219, 177, 100



110, 99, 108



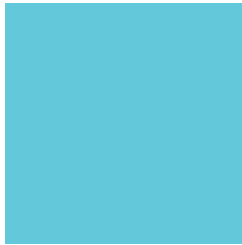
173, 0, 146



46, 0, 39

Previews

White Background



This preview shows how the RGB color 100, 200, 219 looks on a white background.

Color Contrast Check

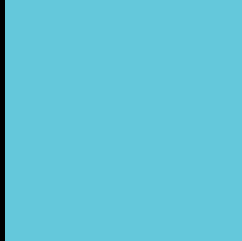
Large Text (above 18pt) WCAG AA × Fail

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 100, 200, 219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

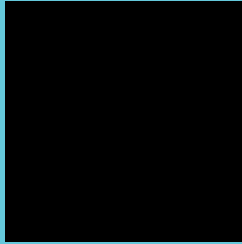
Any Text WCAG AA ✓ Pass

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 100, 200, 219 Background



This preview shows how black text looks on a background with the RGB color 100, 200, 219.

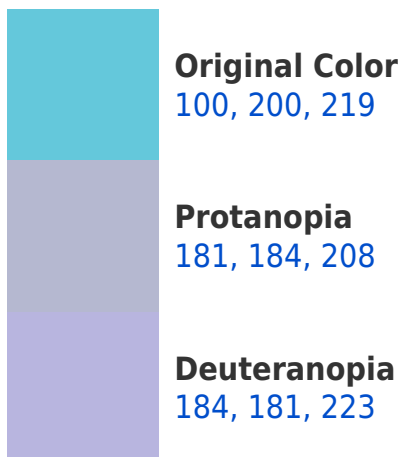


This preview shows how white text looks on a background with the RGB color 100, 200, 219.

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, 200, 217

Trichromacy



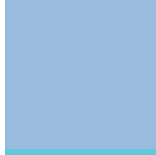
Original Color

100, 200, 219



Protanomaly

152, 190, 212



Deuteranomaly

153, 188, 222



Tritanomaly

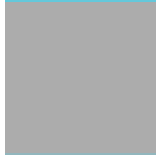
99, 200, 218

Monochromacy



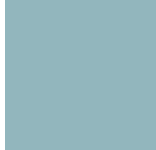
Original Color

100, 200, 219



Achromatopsia

172, 172, 172



Achromatomaly

146, 182, 189

CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 200, 219 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(100, 200, 219)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 219)  
}
```

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(100, 200, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 219) }
```

Border

The CSS property to change the border of an element to RGB 100, 200, 219 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(100, 200, 219) }
```

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

```
.border{ border-color:rgb(100, 200, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 200, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 219);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
219) }
```

Background

The CSS property to change the background color of an element to RGB 100, 200, 219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 200, 219) }
```

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

```
.background{ background-color: rgb(100,  
200, 219) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor