Converting Colors

RGB(100, 189, 255)

Have a look what the booklet for RGB(100, 189, 255) contains.

Color

RGB(100, 189, 255)

Conversions

Conversions Part 1

Format	Color
Hex	64BDFF
RGB	100, 189, 255
RGB Percent	39%, 74%, 100%
CMY	0.6078, 0.2588, 0.0000
CMYK	0.61, 0.26, 0.00, 0.00
HSL	206°, 100%, 70%
HSV	206°, 61%, 100%
XYZ	41.5031, 46.3245, 101.3618
YIQ	169.9130, -74.2300, 1.6580

Conversions

Conversions Part 2

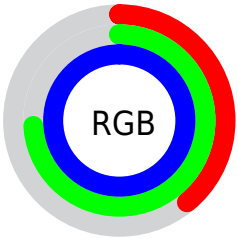
Format	Color
RYB	100, 157, 255
Decimal	6602239
CIELab	73.76, -7.55, -40.53
CIELCh	74, 41.230, 259.452
Yxy	46.3245, 0.2194, 0.2449
Android (android.graphics.Color)	4284792319 (0xFF64BDFF)
YUV	169.9130, 41.9479, -61.3137
Hunter-Lab	68.0621, -10.2624, -40.6544

Details

The RGB color 100, 189, 255 is a light color, and the websafe version is hex 66CCFF. A complement of this color would be 255, 166, 100, and the grayscale version is 170, 170, 170.

A 20% lighter version of the original color is 162, 245, 255, and 13, 136, 198 is the 20% darker color. If you saturate the color by 10%, you get 75, 178, 255, and if you desaturate by 10%, it is 125, 200, 255.

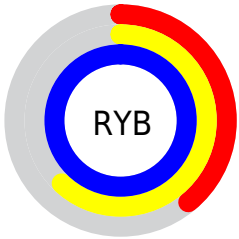
Distribution



Red (39%)

Green (74%)

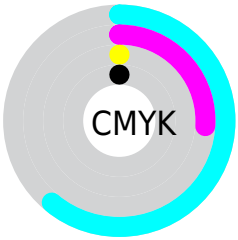
Blue (100%)



Red (39%)

Yellow (62%)

Blue (100%)

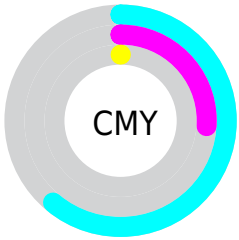


Cyan (61%)

Magenta (26%)

Yellow (0%)

Black (0%)



Cyan (61%)

Magenta (26%)

Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 189, 255 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, 189, 255 by changing the saturation by 10% instead.

100, 189, 255

255, 255, 255

162, 245, 255

192, 255, 255

223, 255, 255

253, 255, 255

100, 189, 255

66, 162, 226

13, 136, 198

0, 111, 170

0, 86, 144

0, 63, 118

0, 42, 93

0, 22, 69

0, 4, 46

0, 1, 24

100, 189, 255	100, 189, 255
75, 178, 255	125, 200, 255
49, 167, 255	151, 211, 255
24, 156, 255	177, 222, 255
0, 146, 255	202, 232, 255
	227, 243, 255
	253, 254, 255
	255, 255, 255

Harmonies

Analogous

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

3, 197, 238

100, 189, 255

166, 176, 252

Triad

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

100, 189, 255

255, 152, 158

138, 196, 131

Complementary

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

100, 189, 255

255, 166, 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.

181, 187, 108

100, 189, 255

244, 161, 125

Square

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

100, 189, 255

246, 153, 196

218, 174, 107

87, 201, 166

Rectangle

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

100, 189, 255

201, 167, 240

218, 174, 107

153, 193, 121

Sweetspot

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

100, 189, 255

209, 235, 255

100, 255, 165

99, 116, 128

0, 0, 0

128, 128, 128

Same Dimension

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

100, 189, 255

69, 176, 255

100, 113, 255

115, 122, 128

0, 110, 191

0, 37, 64

Inverse Universe

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

255, 100, 189

255, 69, 176

255, 242, 100

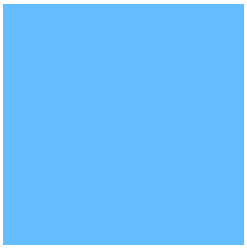
128, 115, 122

191, 0, 110

64, 0, 37

Previews

White Background

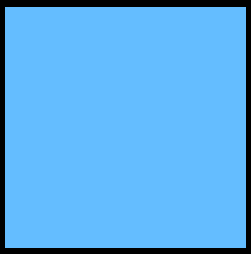


This preview shows how the RGB color 100, 189, 255 looks on a white background.

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, 189, 255 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, 189, 255 Background

This preview shows how black text looks on a background with the RGB color 100, 189, 255.

This preview shows how white text looks on a background with the RGB color 100, 189, 255.

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

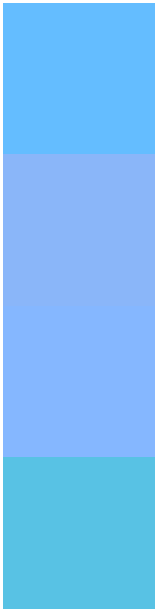
Original Color
100, 189, 255

Protanopia
160, 178, 246

Deuteranopia
152, 179, 255

Tritanopia
81, 197, 213

Trichromacy



Original Color
100, 189, 255

Protanomaly
138, 182, 249

Deuteranomaly
133, 183, 255

Tritanomaly
88, 194, 228

Monochromacy

Original Color
100, 189, 255

Achromatopsia
170, 170, 170

Achromatomaly
145, 177, 201

CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 189, 255 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, 189, 255) looks like.

```
.text, #text, p{
    color:rgb(100, 189, 255)
}
```

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, 189, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 189, 255) }
```

Border

The CSS property to change the border of an element to RGB 100, 189, 255 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, 189, 255) }
```

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

```
.border{ border-color:rgb(100, 189, 255) }
```

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

Here you see how a box with a 4 pixel rgb(100, 189, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 189, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 189, 255); box-shadow:4px 4px 4px 4px rgb(100, 189, 255) }
```

Background

The CSS property to change the background color of an element to RGB 100, 189, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(100, 189, 255) }
```

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

```
.background{ background-color:rgb(100,
189, 255) }
```

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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