

Converting Colors

RGB(100, 168, 236)

Have a look what the booklet for
RGB(100, 168, 236) contains.

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Color

RGB(100, 168, 236)

Conversions

Conversions Part 1

Format	Color
Hex	64A8EC
RGB	100, 168, 236
RGB Percent	39%, 66%, 93%
CMY	0.6078, 0.3412, 0.0745
CMYK	0.58, 0.29, 0.00, 0.07
HSL	210°, 78%, 66%
HSV	210°, 58%, 93%
XYZ	34.3985, 36.7707, 84.6413
YIQ	155.4200, -62.3560, 6.7320

Conversions

Conversions Part 2

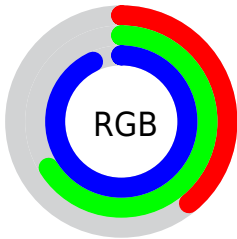
Format	Color
R _Y B	100, 145, 236
Decimal	6596844
CIE Lab	67.10, -1.89, -40.61
CIE LCh	67, 40.656, 267.332
Yxy	36.7707, 0.2208, 0.2360
Android (android.graphics.Color)	4284786924 (0xFF64A8EC)
YUV	155.4200, 39.7259, -48.6033
Hunter-Lab	60.6389, -4.8607, -40.3114

Details

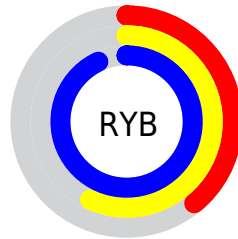
The RGB color **100, 168, 236** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **236, 168, 100**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **160, 223, 255**, and **28, 116, 180** is the 20% darker color. If you saturate the color by 10%, you get **76, 156, 236**, and if you desaturate by 10%, it is **124, 180, 236**.

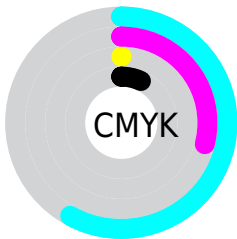
Distribution



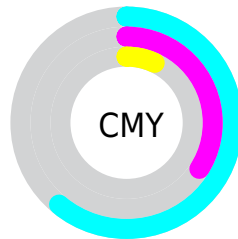
- Red (39%)
- Green (66%)
- Blue (93%)



- Red (39%)
- Yellow (57%)
- Blue (93%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)




- Cyan (61%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 168, 236 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, 168, 236 by changing the saturation by 10% instead.

 100, 168, 236


255, 255, 255


 160, 223, 255


 189, 251, 255

 219, 255, 255

 249, 255, 255

 100, 168, 236

 68, 142, 208

 28, 116, 180

 0, 92, 153

 0, 69, 127

 0, 47, 101

 0, 27, 77

 0, 5, 54

 0, 2, 31

 0, 0, 3

■ 100, 168, 236

■ 100, 168, 236

■ 76, 156, 236

■ 124, 180, 236

■ 53, 144, 236

■ 147, 192, 236

■ 29, 133, 236

■ 171, 203, 236

■ 6, 121, 236

■ 194, 215, 236

■ 0, 118, 236

■ 218, 227, 236

■ 242, 239, 236

■ 255, 251, 236

■ 255, 255, 236

Harmonies

Analogous

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



0, 177, 224



100, 168, 236



162, 155, 228

Triad

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



100, 168, 236



233, 137, 132



109, 179, 123

Complementary

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



100, 168, 236



236, 168, 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.



152, 171, 97



100, 168, 236



218, 147, 103

Square

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



100, 168, 236



230, 134, 168



190, 160, 89



50, 182, 159

Rectangle

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



100, 168, 236



194, 146, 213



190, 160, 89



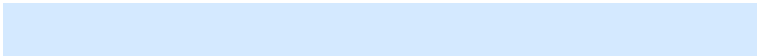
124, 177, 112

Sweetspot

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



100, 168, 236



212, 233, 255



100, 236, 168



102, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 168, 236



79, 167, 255



100, 100, 236



106, 111, 117



0, 91, 181



0, 27, 54

Inverse Universe

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



236, 100, 168



255, 79, 167



236, 236, 100



117, 106, 111



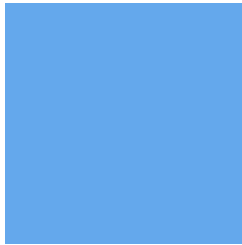
181, 0, 91



54, 0, 27

Previews

White Background



This preview shows how the RGB color 100, 168, 236 looks on a white background.

Color Contrast Check

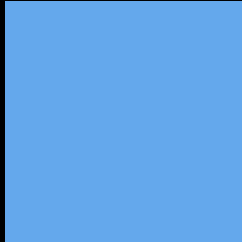
Large Text (above 18pt) WCAG AA × Fail

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, 168, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

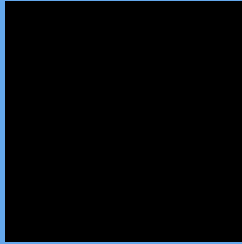
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

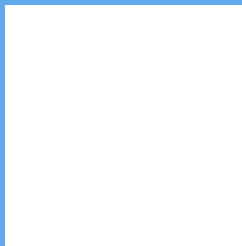
Any Text WCAG AAA ✓ Pass

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

RGB 100, 168, 236 Background



This preview shows how black text looks on a background with the RGB color 100, 168, 236.

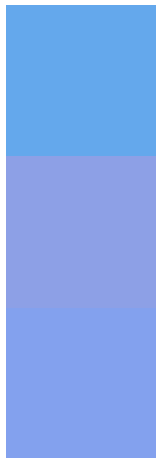


This preview shows how white text looks on a background with the RGB color 100, 168, 236.

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, 168, 236

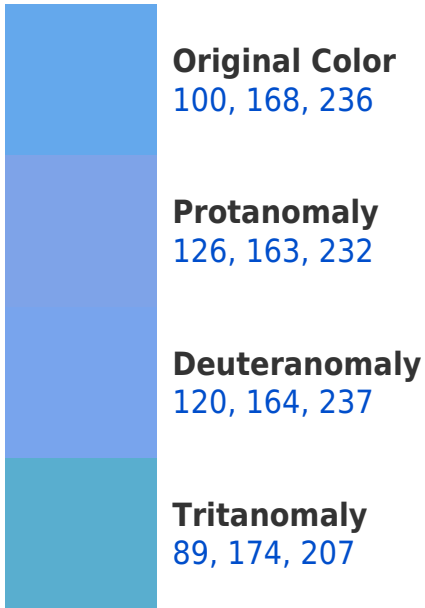
Protanopia
141, 160, 230

Deuteranopia
131, 161, 238

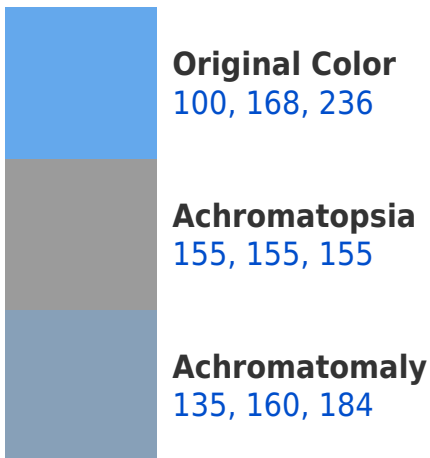


Tritanopia
82, 177, 191

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 168, 236 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, 168, 236)` looks like.

```
.text, #text, p{  
    color:rgb(100, 168, 236)  
}
```

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, 168, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 168, 236) }
```

Border

The CSS property to change the border of an element to RGB 100, 168, 236 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, 168, 236) }
```

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

```
.border{ border-color:rgb(100, 168, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 168, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 168, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 168, 236);  
box-shadow:4px 4px 4px 4px rgb(100, 168,  
236) }
```

Background

The CSS property to change the background color of an element to RGB 100, 168, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 168, 236) }
```

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

```
.background{ background-color: rgb(100,  
168, 236) }
```

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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