

Converting Colors

RGB(100, 168, 227)

Have a look what the booklet for
RGB(100, 168, 227) contains.

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Color

RGB(100, 168, 227)

Conversions

Conversions Part 1

Format	Color
Hex	64A8E3
RGB	100, 168, 227
RGB Percent	39%, 66%, 89%
CMY	0.6078, 0.3412, 0.1098
CMYK	0.56, 0.26, 0.00, 0.11
HSL	208°, 69%, 64%
HSV	208°, 56%, 89%
XYZ	33.1233, 36.2606, 77.9263
YIQ	154.3940, -59.4670, 3.9330

Conversions

Conversions Part 2

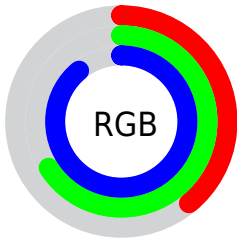
Format	Color
R_{YB}	100, 144, 227
Decimal	6596835
CIE _{Lab}	66.72, -4.69, -36.28
CIE _{LCh}	67, 36.581, 262.639
Yxy	36.2606, 0.2249, 0.2462
Android (android.graphics.Color)	4284786915 (0xFF64A8E3)
YUV	154.3940, 35.7948, -47.7035
Hunter-Lab	60.2168, -7.1924, -34.5751

Details

The RGB color **100, 168, 227** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **227, 159, 100**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **159, 223, 255**, and **32, 116, 171** is the 20% darker color. If you saturate the color by 10%, you get **77, 157, 227**, and if you desaturate by 10%, it is **123, 179, 227**.

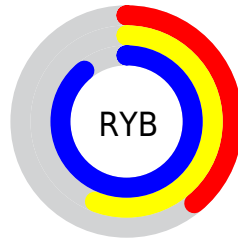
Distribution



Red (39%)

Green (66%)

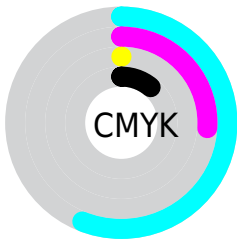
Blue (89%)



Red (39%)

Yellow (56%)

Blue (89%)

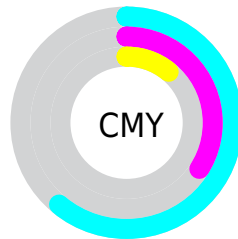


Cyan (56%)

Magenta (26%)

Yellow (0%)

Black (11%)



Cyan (61%)


Magenta (34%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RGB color 100, 168, 227 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, 227 by changing the saturation by 10% instead.

 100, 168, 227


255, 255, 255


 159, 223, 255


 188, 252, 255


 217, 255, 255

 247, 255, 255

 100, 168, 227

 69, 142, 199

 32, 116, 171

 0, 92, 145

 0, 68, 119

 0, 47, 94

 0, 26, 70

 0, 4, 47

 0, 1, 25

 0, 0, 0

■ 100, 168, 227

■ 100, 168, 227

■ 77, 157, 227

■ 123, 179, 227

■ 55, 147, 227

■ 145, 189, 227

■ 32, 136, 227

■ 168, 200, 227

■ 9, 126, 227

■ 191, 210, 227

■ 0, 122, 227

■ 213, 221, 227

■ 236, 231, 227

■ 255, 242, 227

■ 255, 252, 227

■ 255, 255, 227

Harmonies

Analogous

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



39, 176, 214



100, 168, 227



154, 157, 223

Triad

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



100, 168, 227



226, 138, 139



120, 175, 121

Complementary

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



100, 168, 227



227, 159, 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.



159, 168, 100



100, 168, 227



215, 146, 111

Square

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



100, 168, 227



220, 137, 172



191, 158, 97



77, 179, 153

Rectangle

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



100, 168, 227



184, 149, 211



191, 158, 97



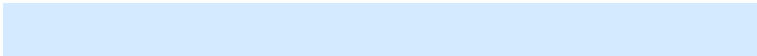
134, 173, 113

Sweetspot

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



100, 168, 227



212, 235, 255



100, 227, 157



102, 116, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 168, 227



84, 176, 255



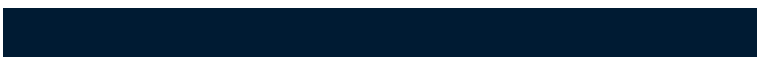
100, 106, 227



103, 109, 115



0, 96, 179



0, 27, 51

Inverse Universe

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



227, 100, 168



255, 84, 176



227, 221, 100



115, 103, 109



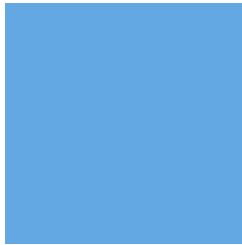
179, 0, 96



51, 0, 27

Previews

White Background



This preview shows how the RGB color 100, 168, 227 looks on a white background.

Color Contrast Check

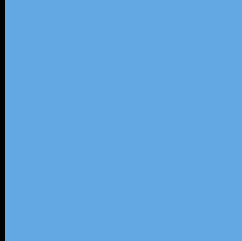
Large Text (above 18pt) WCAG AA × Fail

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, 227 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, 227 Background



This preview shows how black text looks on a background with the RGB color 100, 168, 227.

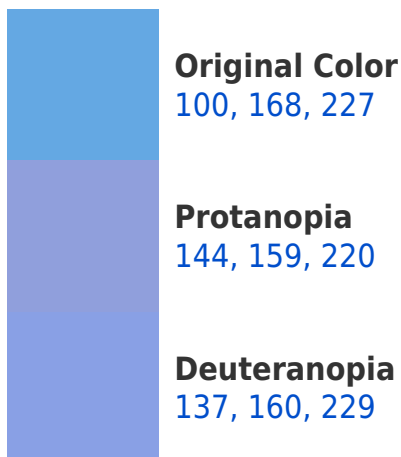


This preview shows how white text looks on a background with the RGB color 100, 168, 227.

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
85, 175, 189

Trichromacy



Original Color
100, 168, 227

Protanomaly
128, 162, 223

Deuteranomaly
124, 163, 228

Tritanomaly
90, 172, 203

Monochromacy



Original Color
100, 168, 227

Achromatopsia
154, 154, 154

Achromatomaly
134, 159, 181

CSS Examples

Text

The CSS property to change the color of the text to RGB 100, 168, 227 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(100, 168, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 168, 227) }
```

Border

The CSS property to change the border of an element to RGB 100, 168, 227 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, 227) }
```

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

```
.border{ border-color:rgb(100, 168, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 168, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 168, 227);  
box-shadow:4px 4px 4px 4px rgb(100, 168,  
227) }
```

Background

The CSS property to change the background color of an element to RGB 100, 168, 227 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, 227) }
```

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

```
.background{ background-color: rgb(100,  
168, 227) }
```

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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