

Converting Colors

RGB(102, 180, 225)

Have a look what the booklet for
RGB(102, 180, 225) contains.

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Color

RGB(102, 180, 225)

Conversions

Conversions Part 1

Format	Color
Hex	66B4E1
RGB	102, 180, 225
RGB Percent	40%, 71%, 88%
CMY	0.6000, 0.2941, 0.1176
CMYK	0.55, 0.20, 0.00, 0.12
HSL	202°, 67%, 64%
HSV	202°, 55%, 88%
XYZ	35.3914, 40.9035, 77.2640
YIQ	161.8080, -60.9330, -2.5410

Conversions

Conversions Part 2

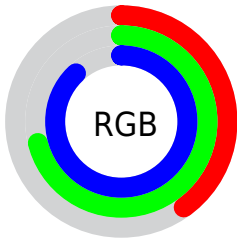
Format	Color
R _Y B	102, 150, 225
Decimal	6730977
CIE Lab	70.11, -11.44, -29.93
CIE LCh	70, 32.040, 249.074
Yxy	40.9035, 0.2305, 0.2664
Android (android.graphics.Color)	4284921057 (0xFF66B4E1)
YUV	161.8080, 31.1537, -52.4516
Hunter-Lab	63.9559, -13.1460, -26.8581

Details

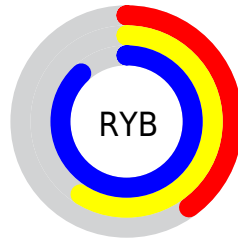
The RGB color **102, 180, 225** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **225, 147, 102**, and the grayscale version is **162, 162, 162**.

A 20% lighter version of the original color is **160, 236, 255**, and **36, 127, 170** is the 20% darker color. If you saturate the color by 10%, you get **80, 172, 225**, and if you desaturate by 10%, it is **125, 188, 225**.

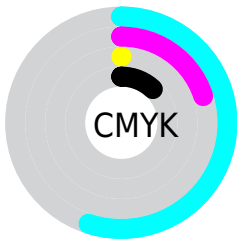
Distribution



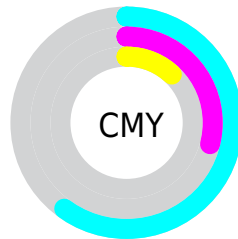
- Red (40%)
- Green (71%)
- Blue (88%)



- Red (40%)
- Yellow (59%)
- Blue (88%)



- Cyan (55%)
- Magenta (20%)
- Yellow (0%)
- Black (12%)




- Cyan (60%)
- Magenta (29%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 180, 225 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 102, 180, 225 by changing the saturation by 10% instead.

 102, 180, 225


255, 255, 255


 160, 236, 255


 190, 255, 255

 219, 255, 255

 249, 255, 255

 102, 180, 225

 71, 153, 197

 36, 127, 170

 0, 102, 143

 0, 78, 117

 0, 56, 92

 0, 34, 69

 0, 4, 46

 0, 1, 25

 0, 0, 0

■ 102, 180, 225

■ 102, 180, 225

■ 80, 172, 225

■ 125, 188, 225

■ 57, 164, 225

■ 147, 196, 225

■ 35, 155, 225

■ 170, 205, 225

■ 12, 147, 225

■ 192, 213, 225

■ 0, 143, 225

■ 215, 221, 225

■ 237, 229, 225

■ 255, 238, 225

■ 255, 246, 225

■ 255, 254, 225

Harmonies

Analogous

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



74, 186, 207



102, 180, 225



146, 171, 228

Triad

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



102, 180, 225



229, 149, 163



151, 181, 125

Complementary

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



102, 180, 225



225, 147, 102

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, 172, 114



102, 180, 225



226, 154, 136

Square

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



102, 180, 225



216, 152, 193



209, 163, 118



116, 186, 150

Rectangle

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



102, 180, 225



174, 164, 222



209, 163, 118



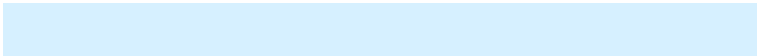
162, 178, 120

Sweetspot

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



102, 180, 225



214, 240, 255



102, 225, 145



103, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 180, 225



87, 193, 255



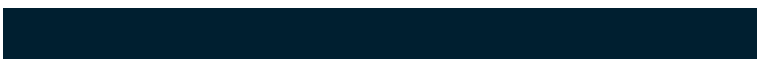
102, 120, 225



101, 108, 112



0, 112, 176



0, 31, 48

Inverse Universe

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



225, 102, 180



255, 87, 193



225, 207, 102



112, 101, 108



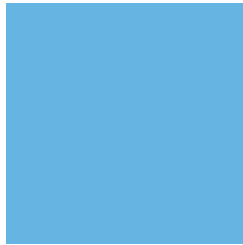
176, 0, 112



48, 0, 31

Previews

White Background



This preview shows how the RGB color 102, 180, 225 looks on a white background.

Color Contrast Check

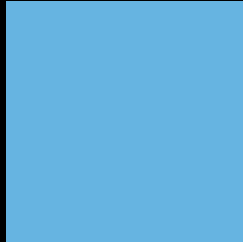
Large Text (above 18pt) WCAG AA × Fail

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 102, 180, 225 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

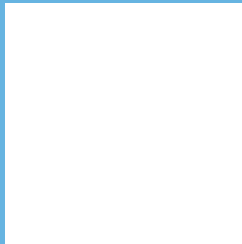
Any Text WCAG AAA ✓ Pass

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

RGB 102, 180, 225 Background



This preview shows how black text looks on a background with the RGB color 102, 180, 225.

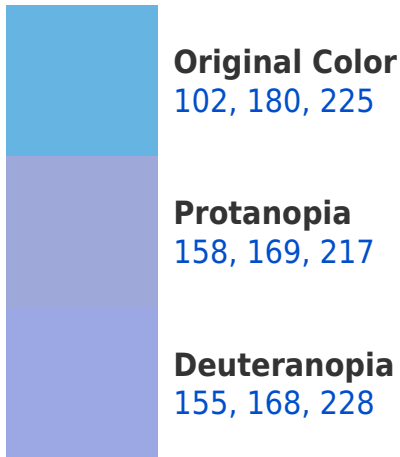


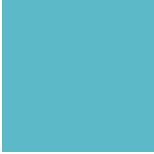
This preview shows how white text looks on a background with the RGB color 102, 180, 225.

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](#).

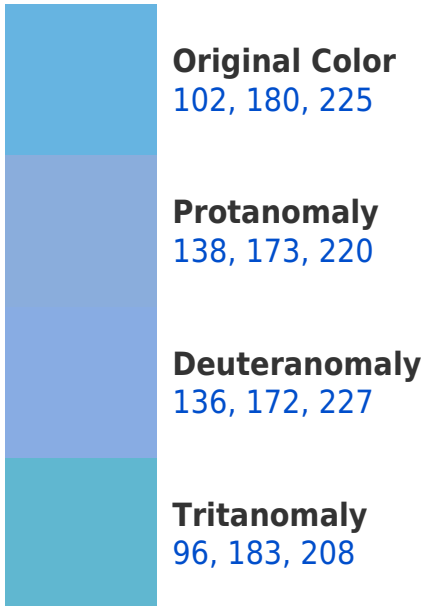
Dichromacy



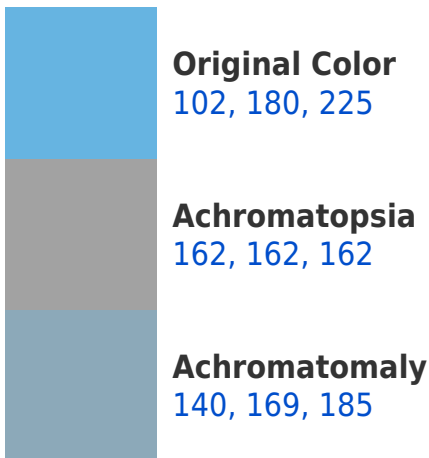


Tritanopia
92, 185, 199

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 180, 225 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(102, 180, 225)` looks like.

```
.text, #text, p{  
    color:rgb(102, 180, 225)  
}
```

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(102, 180, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 180, 225) }
```

Border

The CSS property to change the border of an element to RGB 102, 180, 225 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(102, 180, 225) }
```

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

```
.border{ border-color:rgb(102, 180, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 180, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 180, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 180, 225);  
box-shadow:4px 4px 4px 4px rgb(102, 180,  
225) }
```

Background

The CSS property to change the background color of an element to RGB 102, 180, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 180, 225) }
```

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

```
.background{ background-color: rgb(102,  
180, 225) }
```

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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