Converting Colors

RGB(102, 177, 222)

Have a look what the booklet for RGB(102, 177, 222) contains.

Color

RGB(102, 177, 222)

Conversions

Conversions Part 1

Format	Color
Hex	66B1DE
RGB	102, 177, 222
RGB Percent	40%, 69%, 87%
CMY	0.6000, 0.3059, 0.1294
CMYK	0.54, 0.20, 0.00, 0.13
HSL	202°, 65%, 64%
HSV	202°, 54%, 87%
XYZ	34.3864, 39.5430, 74.9274
YIQ	159.7050, -59.1450, -1.9050

Conversions

Conversions Part 2

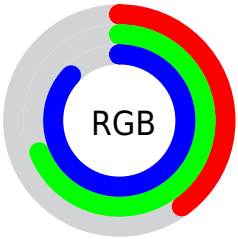
Format	Color
RYB	102, 148, 222
Decimal	6730206
CIELab	69.14, -10.72, -29.77
CIELCh	69, 31.645, 250.201
Yxy	39.5430, 0.2310, 0.2656
Android (android.graphics.Color)	4284920286 (0xFF66B1DE)
YUV	159.7050, 30.7114, -50.6073
Hunter-Lab	62.8832, -12.4364, -26.6278

Details

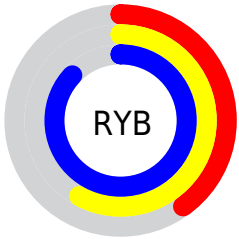
The RGB color 102, 177, 222 is a light color, and the websafe version is hex 3399CC. A complement of this color would be 222, 147, 102, and the grayscale version is 159, 159, 159.

A 20% lighter version of the original color is 160, 233, 255, and 37, 124, 167 is the 20% darker color. If you saturate the color by 10%, you get 80, 169, 222, and if you desaturate by 10%, it is 124, 185, 222.

Distribution

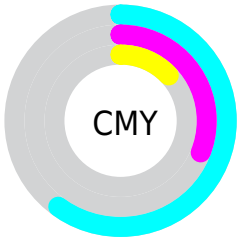


- Red (40%)
- Green (69%)
- Blue (87%)



- Red (40%)
- Yellow (58%)
- Blue (87%)

- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (13%)



- Cyan (60%)
- Magenta (31%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RGB color 102, 177, 222 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, 177, 222 by changing the saturation by 10% instead.

102, 177, 222	102, 177, 222
255, 255, 255	72, 150, 194
160, 233, 255	37, 124, 167
189, 255, 255	0, 100, 140
219, 255, 255	0, 76, 115
249, 255, 255	0, 53, 90
	0, 32, 66
	0, 3, 44
	0, 1, 22
	0, 0, 0

102, 177, 222	102, 177, 222
80, 169, 222	124, 185, 222
58, 160, 222	146, 194, 222
35, 152, 222	169, 202, 222
13, 144, 222	191, 210, 222
0, 139, 222	213, 219, 222
	235, 227, 222
	255, 235, 222
	255, 244, 222
	255, 252, 222

Harmonies

Analogous

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

74, 183, 205

102, 177, 222

145, 168, 225

Triad

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

102, 177, 222

225, 147, 160

147, 178, 124

Complementary

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

102, 177, 222

222, 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.

179, 170, 112

102, 177, 222

222, 152, 133

Square

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

102, 177, 222

213, 150, 189

205, 160, 115

113, 183, 148

Rectangle

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

102, 177, 222

173, 161, 218

205, 160, 115

158, 176, 119

Sweetspot

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

102, 177, 222

214, 240, 255

102, 222, 146

103, 118, 128

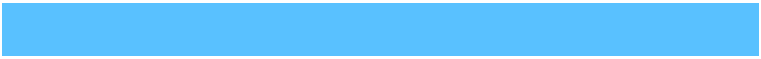
0, 0, 0

128, 128, 128

Same Dimension

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

102, 177, 222



89, 193, 255

102, 118, 222

101, 108, 112

0, 110, 176

0, 30, 48

Inverse Universe

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

222, 102, 177

255, 89, 193

222, 206, 102

112, 101, 108

176, 0, 110

48, 0, 30

Previews

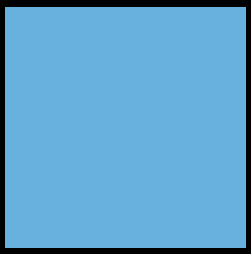
White Background

This preview shows how the RGB color 102, 177, 222 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



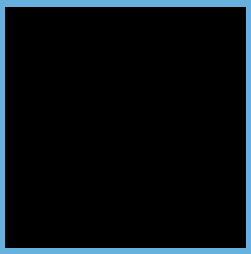
This preview shows how the RGB color 102, 177, 222 looks on a black background.

Color Contrast Check

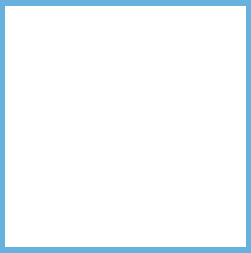
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RGB 102, 177, 222 Background



This preview shows how black text looks on a background with the RGB color 102, 177, 222.



This preview shows how white text looks on a background with the RGB color 102, 177, 222.

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

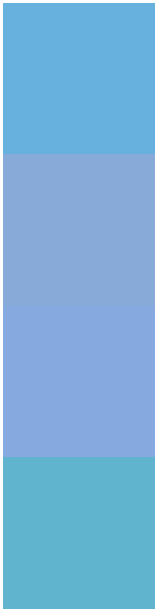
Original Color
102, 177, 222

Protanopia
156, 166, 214

Deuteranopia
153, 165, 225

Tritanopia
93, 182, 196

Trichromacy



Original Color
102, 177, 222

Protanomaly
136, 170, 217

Deuteranomaly
134, 169, 224

Tritanomaly
96, 180, 205

Monochromacy

Original Color
102, 177, 222

Achromatopsia
160, 160, 160

Achromatomaly
139, 166, 183

CSS Examples

Text

The CSS property to change the color of the text to RGB 102, 177, 222 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, 177, 222) looks like.

```
.text, #text, p{
    color:rgb(102, 177, 222)
}
```

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, 177, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 177, 222) }
```

Border

The CSS property to change the border of an element to RGB 102, 177, 222 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, 177, 222) }
```

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

```
.border{ border-color:rgb(102, 177, 222) }
```

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

Here you see how a box with a 4 pixel rgb(102, 177, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 177, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 177, 222); box-shadow:4px 4px 4px 4px rgb(102, 177, 222) }
```

Background

The CSS property to change the background color of an element to RGB 102, 177, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(102, 177, 222) }
```

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

```
.background{ background-color:rgb(102,
177, 222) }
```

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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