Converting Colors

RGB(58, 120, 177)

Have a look what the booklet for RGB(58, 120, 177) contains.

Color

RGB(58, 120, 177)

Conversions

Conversions Part 1

Format	Color
Hex	3A78B1
RGB	58, 120, 177
RGB Percent	23%, 47%, 69%
CMY	0.7725, 0.5294, 0.3059
CMYK	0.67, 0.32, 0.00, 0.31
HSL	209°, 51%, 46%
HSV	209°, 67%, 69%
XYZ	16.3972, 17.5068, 44.1099
YIQ	107.9600, -55.2490, 4.5830

Conversions

Conversions Part 2

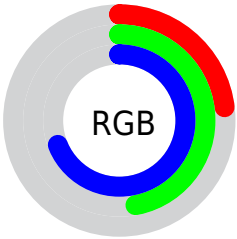
Format	Color
RYB	58, 99, 177
Decimal	3831985
CIELab	48.89, -1.37, -36.10
CIELCh	49, 36.129, 267.834
Yxy	17.5068, 0.2102, 0.2244
Android (android.graphics.Color)	4282022065 (0xFF3A78B1)
YUV	107.9600, 34.0367, -43.8149
Hunter-Lab	41.8411, -3.2693, -33.2161

Details

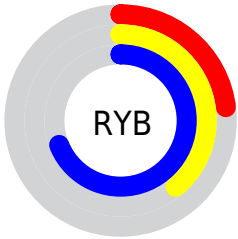
The RGB color 58, 120, 177 is a dark color, and the websafe version is hex 336699. A complement of this color would be 177, 115, 58, and the grayscale version is 108, 108, 108.

A 20% lighter version of the original color is 117, 172, 233, and 0, 72, 124 is the 20% darker color. If you saturate the color by 10%, you get 40, 112, 177, and if you desaturate by 10%, it is 76, 128, 177.

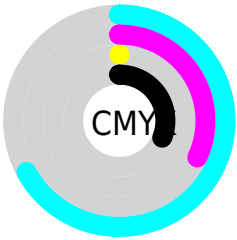
Distribution



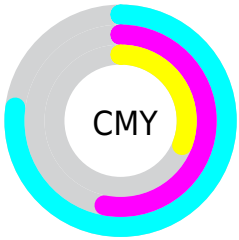
- Red (23%)
- Green (47%)
- Blue (69%)



- Red (23%)
- Yellow (39%)
- Blue (69%)



- Cyan (67%)
- Magenta (32%)
- Yellow (0%)
- Black (31%)



- Cyan (77%)
- Magenta (53%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RGB color 58, 120, 177 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 58, 120, 177 by changing the saturation by 10% instead.

58, 120, 177

255, 255, 255

117, 172, 233

146, 199, 255

175, 227, 255

204, 255, 255

233, 255, 255

58, 120, 177

18, 95, 150

0, 72, 124

0, 50, 99

0, 29, 75

0, 4, 52

0, 2, 30

0, 0, 0

58, 120, 177

40, 112, 177

58, 120, 177

76, 128, 177

23, 103, 177

5, 95, 177

0, 92, 177

93, 137, 177

111, 145, 177

129, 154, 177

147, 162, 177

164, 171, 177

182, 179, 177

200, 188, 177

217, 196, 177

Harmonies

Analogous

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

0, 128, 167

58, 120, 177

115, 109, 170

Triad

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

58, 120, 177

173, 93, 89

68, 129, 82

Complementary

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

58, 120, 177

177, 115, 58

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.

106, 123, 60

58, 120, 177

160, 103, 65

Square

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

58, 120, 177

171, 91, 120

137, 114, 54

0, 132, 113

Rectangle

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

58, 120, 177

142, 101, 157

137, 114, 54

82, 127, 74

Sweetspot

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

58, 120, 177

184, 208, 230

58, 177, 114

87, 102, 115

242, 242, 242

115, 115, 115

Same Dimension

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

58, 120, 177

44, 140, 230

58, 62, 177

80, 85, 89

0, 80, 153

0, 13, 26

Inverse Universe

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

177, 58, 120

230, 44, 140

177, 173, 58

89, 80, 85

153, 0, 80

26, 0, 13

Previews

White Background

This preview shows how the RGB color 58, 120, 177 looks on a white 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 ✕ Fail

Black Background

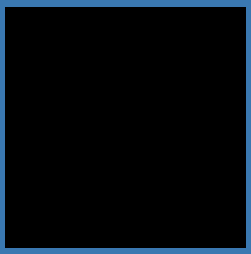
This preview shows how the RGB color 58, 120, 177 looks on a black background.

Color Contrast Check

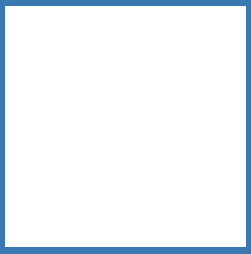
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RGB 58, 120, 177 Background



This preview shows how black text looks on a background with the RGB color 58, 120, 177.



This preview shows how white text looks on a background with the RGB color 58, 120, 177.

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
58, 120, 177

Protanopia
96, 114, 172

Deuteranopia
84, 115, 178

Tritanopia
33, 128, 138

Trichromacy

Original Color
58, 120, 177

Protanomaly
82, 116, 174

Deuteranomaly
75, 117, 178

Tritanomaly
42, 125, 152

Monochromacy

Original Color
58, 120, 177

Achromatopsia
108, 108, 108

Achromatomaly
90, 112, 133

CSS Examples

Text

The CSS property to change the color of the text to RGB 58, 120, 177 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(58, 120, 177) looks like.

```
.text, #text, p{
    color:rgb(58, 120, 177)
}
```

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(58, 120, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 120, 177) }
```

Border

The CSS property to change the border of an element to RGB 58, 120, 177 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(58, 120, 177) }
```

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

```
.border{ border-color:rgb(58, 120, 177) }
```

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

Here you see how a box with a 4 pixel rgb(58, 120, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(58, 120, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(58, 120, 177); box-shadow:4px 4px 4px 4px rgb(58, 120, 177) }
```

Background

The CSS property to change the background color of an element to RGB 58, 120, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(58, 120, 177) }
```

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

```
.background{ background-color:rgb(58, 120,
177) }
```

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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