Converting Colors

RGB(90, 161, 218)

Have a look what the booklet for RGB(90, 161, 218) contains.

RGB(90, 161, 218) 3
Conversions 4
Details 6
Harmonies 11
Previews 23
Color Blindness Simulation 26
CSS Examples 29

Color

RGB(90, 161, 218)

Conversions

Conversions Part 1

Format	Color
Hex	5AA1DA
RGB	90, 161, 218
RGB Percent	35%, 63%, 85%
CMY	0.6471, 0.3686, 0.1451
CMYK	0.59, 0.26, 0.00, 0.15
HSL	207°, 63%, 60%
HSV	207°, 59%, 85%
XYZ	29.6162, 32.7254, 71.0854
YIQ	146.2690, -60.6130, 2.6750

Conversions

Conversions Part 2

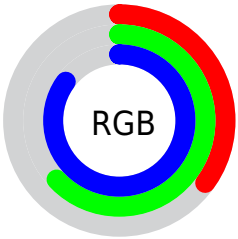
Format	Color
RYB	90, 136, 218
Decimal	5939674
CIELab	63.94, -5.59, -35.68
CIELCh	64, 36.112, 261.102
Yxy	32.7254, 0.2220, 0.2453
Android (android.graphics.Color)	4284129754 (0xFF5AA1DA)
YUV	146.2690, 35.3634, -49.3479
Hunter-Lab	57.2061, -7.6992, -33.6306

Details

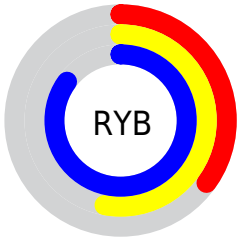
The RGB color 90, 161, 218 is a light color, and the websafe version is hex 6699CC. The color can be described as light muted azure. A complement of this color would be 218, 147, 90, and the grayscale version is 146, 146, 146.

A 20% lighter version of the original color is 149, 216, 255, and 12, 110, 163 is the 20% darker color. If you saturate the color by 10%, you get 68, 151, 218, and if you desaturate by 10%, it is 112, 171, 218.

Distribution

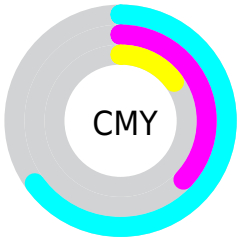


- Red (35%)
- Green (63%)
- Blue (85%)



- Red (35%)
- Yellow (53%)
- Blue (85%)

- Cyan (59%)
- Magenta (26%)
- Yellow (0%)
- Black (15%)



- Cyan (65%)
- Magenta (37%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RGB color 90, 161, 218 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 90, 161, 218 by changing the saturation by 10% instead.

90, 161, 218	90, 161, 218
255, 255, 255	58, 135, 190
149, 216, 255	12, 110, 163
178, 244, 255	0, 86, 136
208, 255, 255	0, 63, 111
238, 255, 255	0, 41, 86
	0, 21, 62
	0, 3, 40
	0, 1, 18
	0, 0, 0

90, 161, 218

68, 151, 218

46, 142, 218

25, 132, 218

3, 122, 218

0, 121, 218

90, 161, 218

112, 171, 218

134, 180, 218

155, 190, 218

177, 200, 218

199, 210, 218

221, 219, 218

243, 229, 218

255, 239, 218

255, 248, 218

Harmonies

Analogous

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

23, 168, 204

90, 161, 218

144, 150, 215

Triad

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

90, 161, 218

218, 131, 133

116, 168, 113

Complementary

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

90, 161, 218

218, 147, 90

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.

153, 160, 94

90, 161, 218

208, 139, 106

Square

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

90, 161, 218

211, 131, 166

185, 150, 91

73, 171, 144

Rectangle

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

90, 161, 218

174, 142, 204

185, 150, 91

129, 165, 105

Sweetspot

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

90, 161, 218

209, 235, 255

90, 218, 145

99, 115, 128

0, 0, 0

128, 128, 128

Same Dimension

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

90, 161, 218

77, 176, 255

90, 99, 218

99, 105, 110

0, 96, 173

0, 25, 46

Inverse Universe

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

218, 90, 161

255, 77, 176

218, 209, 90

110, 99, 105

173, 0, 96

46, 0, 25

Previews

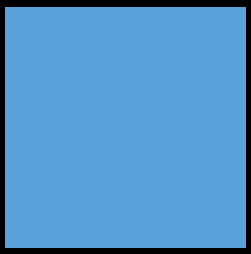
White Background

This preview shows how the RGB color 90, 161, 218 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 90, 161, 218 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 90, 161, 218 Background

This preview shows how black text looks on a background with the RGB color 90, 161, 218.

This preview shows how white text looks on a background with the RGB color 90, 161, 218.

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

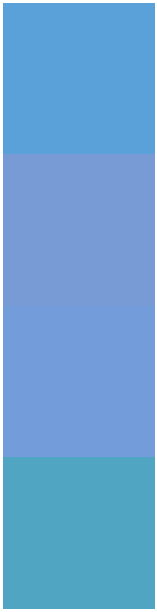
Original Color
90, 161, 218

Protanopia
137, 152, 211

Deuteranopia
129, 153, 220

Tritanopia
74, 168, 181

Trichromacy



Original Color
90, 161, 218

Protanomaly
120, 155, 214

Deuteranomaly
115, 156, 219

Tritanomaly
80, 165, 194

Monochromacy

Original Color
90, 161, 218

Achromatopsia
146, 146, 146

Achromatomaly
126, 151, 172

CSS Examples

Text

The CSS property to change the color of the text to RGB 90, 161, 218 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(90, 161, 218) looks like.

```
.text, #text, p{
    color:rgb(90, 161, 218)
}
```

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(90, 161, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 161, 218) }
```

Border

The CSS property to change the border of an element to RGB 90, 161, 218 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(90, 161, 218) }
```

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

```
.border{ border-color:rgb(90, 161, 218) }
```

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

Here you see how a box with a 4 pixel rgb(90, 161, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(90, 161, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(90, 161, 218); box-shadow:4px 4px 4px 4px rgb(90, 161, 218) }
```

Background

The CSS property to change the background color of an element to RGB 90, 161, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(90, 161, 218) }
```

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

```
.background{ background-color:rgb(90, 161,
218) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor