Converting Colors

RGB(82, 170, 207)

Have a look what the booklet for RGB(82, 170, 207) contains.

Color

RGB(82, 170, 207)

Conversions

Conversions Part 1

Format	Color
Hex	52AACF
RGB	82, 170, 207
RGB Percent	32%, 67%, 81%
CMY	0.6784, 0.3333, 0.1882
CMYK	0.60, 0.18, 0.00, 0.19
HSL	198°, 57%, 57%
HSV	198°, 60%, 81%
XYZ	29.1169, 35.0483, 64.2619
YIQ	147.9060, -64.3250, -7.1490

Conversions

Conversions Part 2

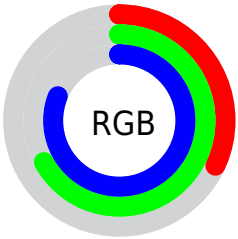
Format	Color
RYB	82, 134, 207
Decimal	5417679
CIELab	65.79, -15.47, -26.75
CIELCh	66, 30.902, 239.963
Yxy	35.0483, 0.2267, 0.2729
Android (android.graphics.Color)	4283607759 (0xFF52AACF)
YUV	147.9060, 29.1333, -57.7996
Hunter-Lab	59.2016, -15.8118, -22.9167

Details

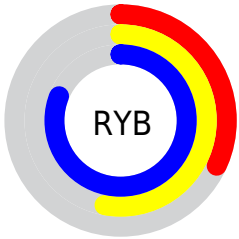
The RGB color 82, 170, 207 is a light color, and the websafe version is hex 3399CC. The color can be described as light muted azure. A complement of this color would be 207, 119, 82, and the grayscale version is 148, 148, 148.

A 20% lighter version of the original color is 142, 225, 255, and 0, 118, 153 is the 20% darker color. If you saturate the color by 10%, you get 61, 164, 207, and if you desaturate by 10%, it is 103, 176, 207.

Distribution

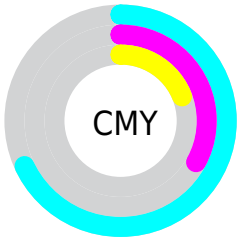


- Red (32%)
- Green (67%)
- Blue (81%)



- Red (32%)
- Yellow (53%)
- Blue (81%)

- Cyan (60%)
- Magenta (18%)
- Yellow (0%)
- Black (19%)



- Cyan (68%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the RGB color 82, 170, 207 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 82, 170, 207 by changing the saturation by 10% instead.

82, 170, 207

255, 255, 255

142, 225, 255

171, 254, 255

200, 255, 255

230, 255, 255

82, 170, 207

49, 143, 179

0, 118, 153

0, 93, 126

0, 69, 101

0, 47, 77

0, 27, 54

0, 2, 33

0, 0, 5

0, 0, 0

82, 170, 207

61, 164, 207

41, 158, 207

20, 152, 207

0, 146, 207

82, 170, 207

103, 176, 207

123, 182, 207

144, 188, 207

165, 195, 207

186, 201, 207

206, 207, 207

227, 213, 207

248, 219, 207

255, 225, 207

Harmonies

Analogous

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

65, 174, 187

82, 170, 207

122, 162, 215

Triad

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

82, 170, 207

212, 139, 161

150, 166, 111

Complementary

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

82, 170, 207

207, 119, 82

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, 158, 104

82, 170, 207

214, 141, 134

Square

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

82, 170, 207

195, 144, 188

202, 149, 113

117, 172, 131

Rectangle

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

82, 170, 207

150, 156, 212

202, 149, 113

160, 164, 107

Sweetspot

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

82, 170, 207

209, 241, 255

82, 207, 117

99, 119, 128

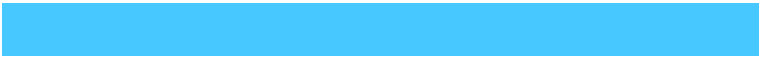
0, 0, 0

128, 128, 128

Same Dimension

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

82, 170, 207



71, 201, 255

82, 109, 207

94, 101, 105

0, 118, 168

0, 29, 41

Inverse Universe

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

207, 82, 170

255, 71, 201

207, 180, 82

105, 94, 101

168, 0, 118

41, 0, 29

Previews

White Background

This preview shows how the RGB color 82, 170, 207 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

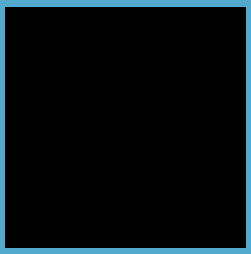
This preview shows how the RGB color 82, 170, 207 looks on a black background.

Color Contrast Check

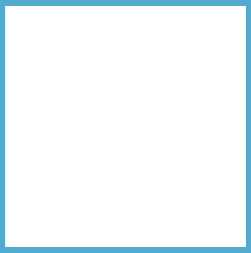
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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

RGB 82, 170, 207 Background



This preview shows how black text looks on a background with the RGB color 82, 170, 207.



This preview shows how white text looks on a background with the RGB color 82, 170, 207.

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

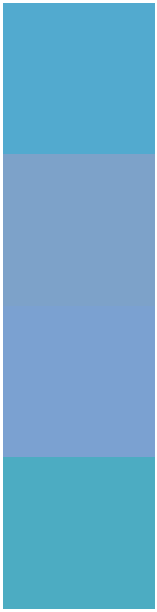
Original Color
82, 170, 207

Protanopia
149, 157, 198

Deuteranopia
146, 156, 210

Tritanopia
73, 173, 187

Trichromacy



Original Color
82, 170, 207

Protanomaly
125, 162, 201

Deuteranomaly
123, 161, 209

Tritanomaly
76, 172, 194

Monochromacy

Original Color
82, 170, 207

Achromatopsia
148, 148, 148

Achromatomaly
124, 156, 169

CSS Examples

Text

The CSS property to change the color of the text to RGB 82, 170, 207 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(82, 170, 207) looks like.

```
.text, #text, p{
    color:rgb(82, 170, 207)
}
```

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(82, 170, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 170, 207) }
```

Border

The CSS property to change the border of an element to RGB 82, 170, 207 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(82, 170, 207) }
```

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

```
.border{ border-color:rgb(82, 170, 207) }
```

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

Here you see how a box with a 4 pixel rgb(82, 170, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(82, 170, 207); -webkit-box-shadow:4px 4px 4px 4px rgb(82, 170, 207); box-shadow:4px 4px 4px 4px rgb(82, 170, 207) }
```

Background

The CSS property to change the background color of an element to RGB 82, 170, 207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(82, 170, 207) }
```

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

```
.background{ background-color:rgb(82, 170,
207) }
```

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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