Converting Colors

RGB(83, 178, 215)

Have a look what the booklet for RGB(83, 178, 215) contains.

Color

RGB(83, 178, 215)

Conversions

Conversions Part 1

Format	Color
Hex	53B2D7
RGB	83, 178, 215
RGB Percent	33%, 70%, 84%
CMY	0.6745, 0.3020, 0.1569
CMYK	0.61, 0.17, 0.00, 0.16
HSL	197°, 62%, 58%
HSV	197°, 61%, 84%
XYZ	31.7534, 38.5861, 70.0643
YIQ	153.8130, -68.4970, -8.6330

Conversions

Conversions Part 2

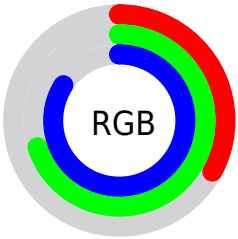
Format	Color
RYB	83, 138, 215
Decimal	5485271
CIELab	68.45, -17.07, -27.06
CIELCh	68, 31.997, 237.757
Yxy	38.5861, 0.2262, 0.2748
Android (android.graphics.Color)	4283675351 (0xFF53B2D7)
YUV	153.8130, 30.1652, -62.1030
Hunter-Lab	62.1177, -17.4601, -23.3924

Details

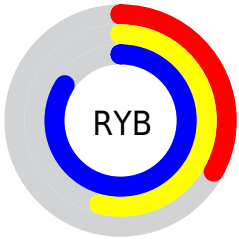
The RGB color 83, 178, 215 is a light color, and the websafe version is hex 66CCFF. The color can be described as light muted azure. A complement of this color would be 215, 120, 83, and the grayscale version is 154, 154, 154.

A 20% lighter version of the original color is 144, 234, 255, and 0, 125, 160 is the 20% darker color. If you saturate the color by 10%, you get 62, 172, 215, and if you desaturate by 10%, it is 105, 184, 215.

Distribution

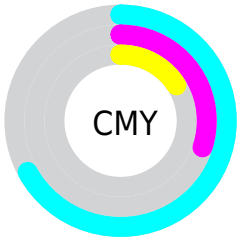


- Red (33%)
- Green (70%)
- Blue (84%)



- Red (33%)
- Yellow (54%)
- Blue (84%)

- Cyan (61%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (67%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RGB color 83, 178, 215 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 83, 178, 215 by changing the saturation by 10% instead.

83, 178, 215

255, 255, 255

144, 234, 255

173, 255, 255

203, 255, 255

233, 255, 255

83, 178, 215

48, 151, 187

0, 125, 160

0, 100, 134

0, 76, 108

0, 53, 84

0, 33, 61

0, 3, 39

0, 1, 16

0, 0, 0

83, 178, 215

62, 172, 215

40, 166, 215

19, 160, 215

0, 155, 215

83, 178, 215

105, 184, 215

126, 190, 215

148, 196, 215

169, 202, 215

191, 208, 215

212, 214, 215

234, 220, 215

255, 226, 215

255, 232, 215

Harmonies

Analogous

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

68, 182, 193

83, 178, 215

124, 170, 224

Triad

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

83, 178, 215

221, 145, 170

159, 173, 115

Complementary

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

83, 178, 215

215, 120, 83

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.

189, 164, 109

83, 178, 215

224, 147, 141

Square

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

83, 178, 215

202, 151, 198

212, 155, 119

125, 180, 135

Rectangle

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

83, 178, 215

154, 164, 222

212, 155, 119

169, 171, 111

Sweetspot

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

83, 178, 215

209, 242, 255

83, 215, 118

99, 120, 128

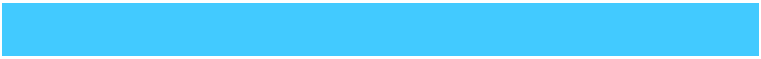
0, 0, 0

128, 128, 128

Same Dimension

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

83, 178, 215



66, 202, 255

83, 114, 215

96, 104, 107

0, 123, 171

0, 31, 43

Inverse Universe

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

215, 83, 178

255, 66, 202

215, 184, 83

107, 96, 104

171, 0, 123

43, 0, 31

Previews

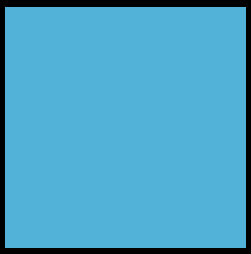
White Background

This preview shows how the RGB color 83, 178, 215 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



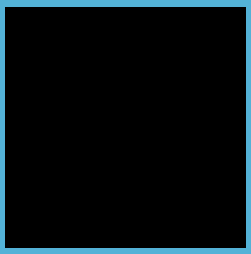
This preview shows how the RGB color 83, 178, 215 looks on a black background.

Color Contrast Check

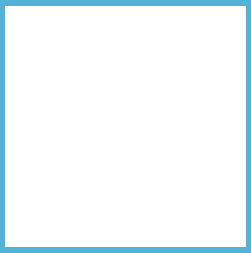
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

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

RGB 83, 178, 215 Background



This preview shows how black text looks on a background with the RGB color 83, 178, 215.



This preview shows how white text looks on a background with the RGB color 83, 178, 215.

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

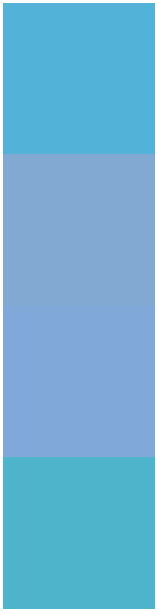
Original Color
83, 178, 215

Protanopia
156, 164, 205

Deuteranopia
154, 163, 218

Tritanopia
74, 181, 196

Trichromacy



Original Color
83, 178, 215

Protanomaly
129, 169, 209

Deuteranomaly
128, 168, 217

Tritanomaly
77, 180, 203

Monochromacy

Original Color
83, 178, 215

Achromatopsia
154, 154, 154

Achromatomaly
128, 163, 176

CSS Examples

Text

The CSS property to change the color of the text to RGB 83, 178, 215 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(83, 178, 215) looks like.

```
.text, #text, p{
    color:rgb(83, 178, 215)
}
```

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(83, 178, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 178, 215) }
```

Border

The CSS property to change the border of an element to RGB 83, 178, 215 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(83, 178, 215) }
```

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

```
.border{ border-color:rgb(83, 178, 215) }
```

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

Here you see how a box with a 4 pixel rgb(83, 178, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(83, 178, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(83, 178, 215); box-shadow:4px 4px 4px 4px rgb(83, 178, 215) }
```

Background

The CSS property to change the background color of an element to RGB 83, 178, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(83, 178, 215) }
```

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

```
.background{ background-color:rgb(83, 178,
215) }
```

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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