Converting Colors

RYB(89, 152, 206)

Have a look what the booklet for RYB(89, 152, 206) contains.

Color

RYB(89, 152, 206)

Conversions

Conversions Part 1

Format	Color
Hex	59CEBD
RGB	89, 206, 189
RGB Percent	35%, 81%, 74%
CMY	0.6510, 0.1922, 0.2577
CMYK	0.57, 0.00, 0.08, 0.19
HSL	171°, 54%, 58%
HSV	171°, 57%, 81%
XYZ	35.4075, 49.9530, 56.0826
YIQ	169.0790, -64.2750, -30.0910

Conversions

Conversions Part 2

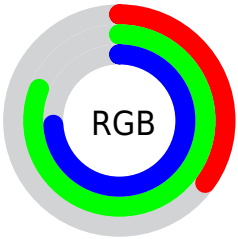
Format	Color
RYB	89, 152, 206
Decimal	5885629
CIELab	76.04, -36.96, -1.63
CIELCh	76, 36.994, 182.524
Yxy	49.9530, 0.2503, 0.3532
Android (android.graphics.Color)	4284075709 (0xFF59CEBD)
YUV	169.0790, 9.8211, -70.2293
Hunter-Lab	70.6774, -34.2618, 2.4275

Details

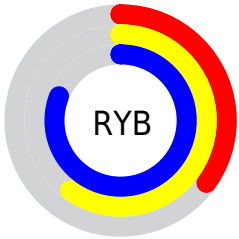
The RYB color 89, 152, 206 is a light color, and the websafe version is hex 33CCCC. The color can be described as light muted spring green. A complement of this color would be 206, 89, 106, and the grayscale version is 169, 169, 169.

A 20% lighter version of the original color is 149, 205, 255, and 4, 81, 151 is the 20% darker color. If you saturate the color by 10%, you get 68, 142, 206, and if you desaturate by 10%, it is 110, 162, 206.

Distribution

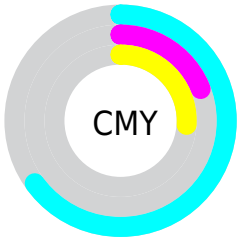


- Red (35%)
- Green (81%)
- Blue (74%)



- Red (35%)
- Yellow (60%)
- Blue (81%)

- Cyan (57%)
- Magenta (0%)
- Yellow (8%)
- Black (19%)



- Cyan (65%)
- Magenta (19%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 89, 152, 206 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 RYB color 89, 152, 206 by changing the saturation by 10% instead.

89, 152, 206

255, 255, 255

149, 205, 255

178, 217, 255

208, 232, 255

238, 247, 255

89, 152, 206

56, 121, 178

3, 81, 151

0, 66, 125

0, 53, 99

0, 41, 75

0, 28, 51

0, 18, 30

0, 0, 0

89, 152, 206

89, 152, 206

68, 142, 206

48, 133, 206

27, 124, 206

7, 114, 206

0, 111, 206

110, 162, 206

130, 171, 206

151, 181, 206

171, 190, 206

192, 200, 206

213, 206, 207

233, 206, 210

254, 206, 213

255, 206, 216

Harmonies

Analogous

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

131, 185, 203

89, 152, 206

63, 138, 223

Triad

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

89, 152, 206

196, 178, 245

236, 211, 128

Complementary

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

89, 152, 206

206, 89, 106

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.

253, 167, 152

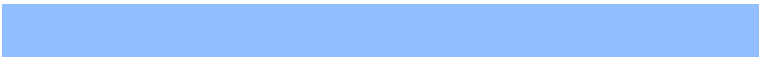
89, 152, 206

233, 166, 220

Square

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

89, 152, 206



145, 177, 255

253, 161, 186

148, 208, 119

Rectangle

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

89, 152, 206

76, 147, 241

253, 161, 186

244, 189, 135

Sweetspot

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

89, 152, 206

212, 235, 255

89, 206, 188

102, 116, 128

0, 0, 0

128, 128, 128

Same Dimension

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

89, 152, 206

82, 175, 255

89, 135, 206

92, 97, 102

0, 89, 166

0, 20, 38

Inverse Universe

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

206, 89, 106

255, 82, 106

206, 152, 89

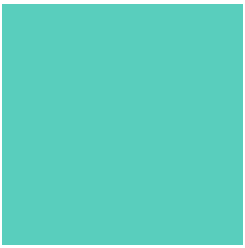
102, 92, 93

166, 0, 24

38, 0, 5

Previews

White Background

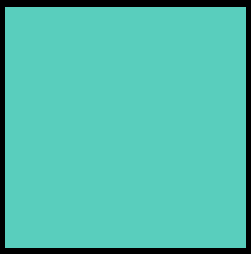


This preview shows how the RYB color 89, 152, 206 looks on a white background.

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



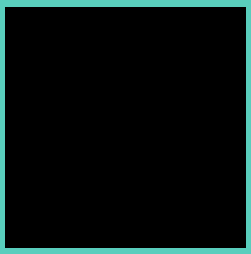
This preview shows how the RYB color 89, 152, 206 looks on a black background.

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.

RYB 89, 152, 206 Background



This preview shows how black text looks on a background with the RYB color 89, 152, 206.

This preview shows how white text looks on a background with the RYB color 89, 152, 206.

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

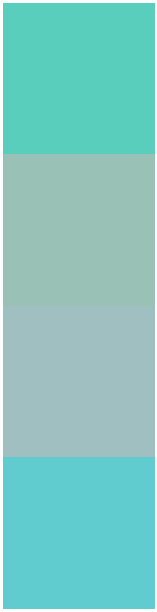
Original Color
89, 152, 206

Protanopia
189, 191, 178

Deuteranopia
200, 181, 195

Tritanopia
100, 155, 218

Trichromacy



Original Color
89, 152, 206

Protanomaly
154, 177, 193

Deuteranomaly
160, 176, 193

Tritanomaly
96, 151, 208

Monochromacy

Original Color
89, 152, 206

Achromatopsia
169, 169, 169

Achromatomaly
140, 163, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 89, 152, 206 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(89, 206, 189) looks like.

```
.text, #text, p{
    color:rgb(89, 206, 189)
}
```

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(89, 206, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 206, 189) }
```

Border

The CSS property to change the border of an element to RYB 89, 152, 206 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(89, 206, 189) }
```

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

```
.border{ border-color:rgb(89, 206, 189) }
```

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

Here you see how a box with a 4 pixel rgb(89, 206, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(89, 206, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(89, 206, 189); box-shadow:4px 4px 4px 4px rgb(89, 206, 189) }
```

Background

The CSS property to change the background color of an element to RYB 89, 152, 206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(89, 206, 189) }
```

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

```
.background{ background-color:rgb(89, 206,
189) }
```

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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