

Converting Colors

`RYB(83, 148, 208)`

Have a look what the booklet for
RYB(83, 148, 208) contains.

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Color

`RYB(83, 148, 208)`

Conversions

Conversions Part 1

Format	Color
Hex	53D0C6
RGB	83, 208, 198
RGB Percent	33%, 82%, 78%
CMY	0.6745, 0.1843, 0.2220
CMYK	0.60, 0.00, 0.05, 0.18
HSL	175°, 57%, 57%
HSV	175°, 60%, 82%
XYZ	36.3606, 51.0457, 61.5954
YIQ	169.4850, -71.2900, -29.6100

Conversions

Conversions Part 2

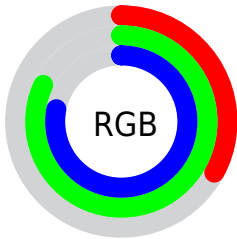
Format	Color
R _Y B	83, 148, 208
Decimal	5492934
CIE Lab	76.71, -36.63, -5.57
CIE LCh	77, 37.051, 188.646
Yxy	51.0457, 0.2440, 0.3426
Android (android.graphics.Color)	4283683014 (0xFF53D0C6)
YUV	169.4850, 14.0579, -75.8473
Hunter-Lab	71.4463, -34.1884, -1.1028

Details

The RYB color **83, 148, 208** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **208, 83, 93**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **144, 200, 255**, and **0, 79, 153** is the 20% darker color. If you saturate the color by 10%, you get **62, 138, 208**, and if you desaturate by 10%, it is **104, 158, 208**.

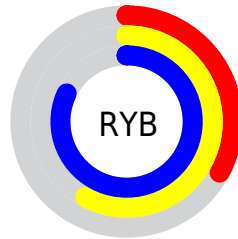
Distribution



Red (33%)

Green (82%)

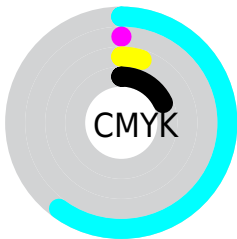
Blue (78%)



Red (33%)

Yellow (58%)

Blue (82%)

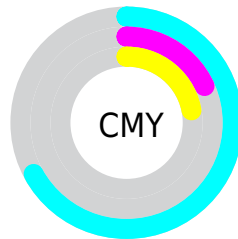


Cyan (60%)

Magenta (0%)

Yellow (5%)

Black (18%)



Cyan (67%)


















Magenta (18%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 148, 208 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 83, 148, 208 by changing the saturation by 10% instead.

 83, 148, 208	 83, 148, 208
 255, 255, 255	 47, 116, 180
 145, 200, 255	 0, 79, 153
 174, 215, 255	 0, 66, 127
 204, 230, 255	 0, 52, 101
 235, 245, 255	 0, 39, 76
	 0, 28, 53
	 0, 17, 32
	 0, 0, 0
 83, 148, 208	 83, 148, 208

■ 62, 138, 208

■ 104, 158, 208

■ 41, 128, 208

■ 125, 168, 208

■ 21, 118, 208

■ 145, 178, 208

■ 0, 108, 208

■ 166, 188, 208

■ 187, 198, 208

■ 208, 208, 208

■ 229, 208, 210

■ 249, 208, 211

■ 255, 208, 213

Harmonies

Analogous

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



124, 180, 206



83, 148, 208



66, 142, 231

Triad

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



83, 148, 208



206, 177, 243



233, 231, 126

Complementary

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



83, 148, 208



208, 83, 93

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, 173, 148



83, 148, 208



241, 167, 215

Square

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



83, 148, 208



158, 181, 255



255, 163, 180



136, 203, 121

Rectangle

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



83, 148, 208



87, 154, 247



255, 163, 180



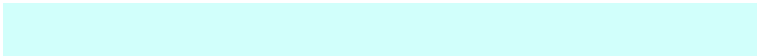
241, 203, 132

Sweetspot

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



83, 148, 208



209, 233, 255



83, 208, 198



99, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 148, 208



71, 167, 255



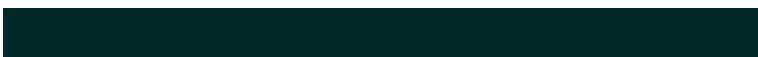
83, 129, 208



94, 100, 105



0, 87, 168



0, 21, 41

Inverse Universe

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



208, 83, 93



255, 71, 86



208, 172, 83



105, 94, 95



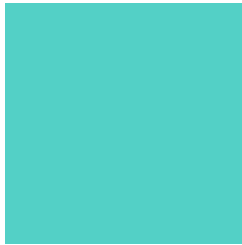
168, 0, 13



41, 0, 3

Previews

White Background



This preview shows how the RYB color 83, 148, 208 looks on a white background.

Color Contrast Check

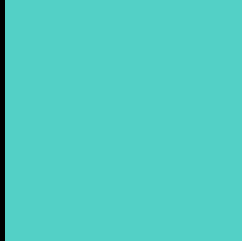
Large Text (above 18pt) WCAG AA × Fail

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 83, 148, 208 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

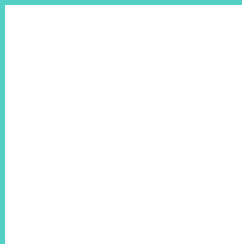
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 83, 148, 208 Background



This preview shows how black text looks on a background with the RYB color 83, 148, 208.

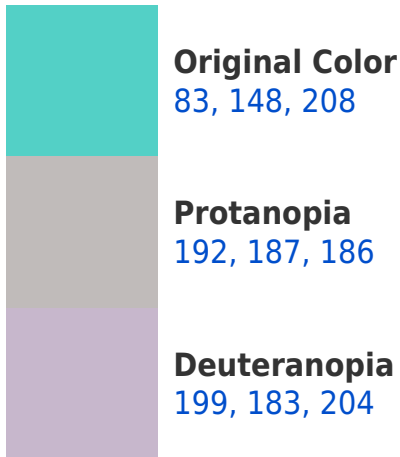


This preview shows how white text looks on a background with the RYB color 83, 148, 208.

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](#).

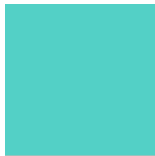
Dichromacy





Tritanopia
92, 152, 221

Trichromacy



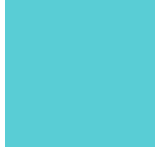
Original Color
83, 148, 208



Protanomaly
152, 175, 195



Deuteranomaly
157, 177, 202

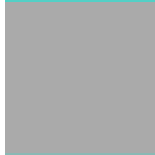


Tritanomaly
89, 149, 213

Monochromacy



Original Color
83, 148, 208



Achromatopsia
170, 170, 170



Achromatomaly
138, 162, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 148, 208 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, 208, 198)` looks like.

```
.text, #text, p{  
    color:rgb(83, 208, 198)  
}
```

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, 208, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 208, 198) }
```

Border

The CSS property to change the border of an element to RYB 83, 148, 208 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, 208, 198) }
```

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

```
.border{ border-color:rgb(83, 208, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 208, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 208, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 208, 198);  
box-shadow:4px 4px 4px 4px rgb(83, 208,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 83, 148, 208 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 208, 198) }
```

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

```
.background{ background-color: rgb(83, 208,  
198) }
```

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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