

Converting Colors

`RYB(43, 122, 209)`

Have a look what the booklet for
RYB(43, 122, 209) contains.

RYB(43, 122, 209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYB(43, 122, 209)

Conversions

Conversions Part 1

Format	Color
Hex	2BC2D1
RGB	43, 194, 209
RGB Percent	17%, 76%, 82%
CMY	0.8314, 0.2403, 0.1804
CMYK	0.79, 0.07, 0.00, 0.18
HSL	186°, 66%, 49%
HSV	186°, 79%, 82%
XYZ	31.7379, 43.5830, 67.0612
YIQ	150.5610, -94.8110, -27.3470

Conversions

Conversions Part 2

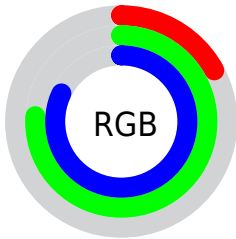
Format	Color
R _Y B	43, 122, 209
Decimal	2867921
CIE Lab	71.95, -32.21, -18.53
CIE LCh	72, 37.156, 209.910
Yxy	43.5830, 0.2229, 0.3061
Android (android.graphics.Color)	4281058001 (0xFF2BC2D1)
YUV	150.5610, 28.8104, -94.3310
Hunter-Lab	66.0175, -29.7167, -14.0152

Details

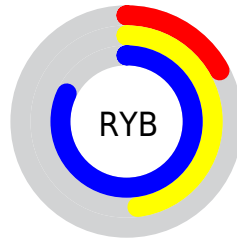
The RYB color **43, 122, 209** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **209, 59, 43**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **118, 185, 255**, and **0, 74, 155** is the 20% darker color. If you saturate the color by 10%, you get **22, 111, 209**, and if you desaturate by 10%, it is **64, 133, 209**.

Distribution



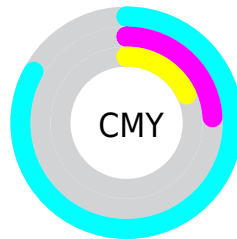
- Red (17%)
- Green (76%)
- Blue (82%)



- Red (17%)
- Yellow (48%)
- Blue (82%)



- Cyan (79%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)




















- Cyan (83%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the RYB color 43, 122, 209 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 43, 122, 209 by changing the saturation by 10% instead.

 43, 122, 209	 43, 122, 209
 255, 255, 255	 0, 87, 181
 118, 185, 255	 0, 74, 155
 150, 203, 255	 0, 61, 129
 181, 218, 255	 0, 48, 103
 211, 233, 255	 0, 36, 79
 242, 249, 255	 0, 24, 56
	 0, 11, 35
	 0, 0, 11
	 0, 0, 0

■ 43, 122, 209

■ 43, 122, 209

■ 22, 111, 209

■ 64, 133, 209

■ 1, 100, 209

■ 85, 144, 209

■ 0, 100, 209

■ 106, 155, 209

■ 127, 166, 209

■ 148, 177, 209

■ 168, 187, 209

■ 189, 198, 209

■ 210, 209, 209

■ 231, 211, 209

Harmonies

Analogous

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



79, 142, 195



43, 122, 209



71, 139, 234

Triad

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



43, 122, 209



219, 156, 211



142, 199, 108

Complementary

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



43, 122, 209



209, 59, 43

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.



227, 190, 119



43, 122, 209



240, 150, 178

Square

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



43, 122, 209



180, 168, 235



242, 154, 144



116, 184, 136

Rectangle

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



43, 122, 209



109, 157, 243



242, 154, 144



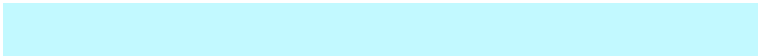
174, 209, 110

Sweetspot

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



43, 122, 209



194, 223, 255



43, 196, 209



91, 108, 128



0, 0, 0



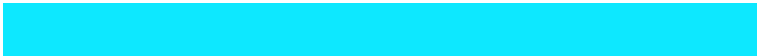
128, 128, 128

Same Dimension

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



43, 122, 209



13, 128, 255



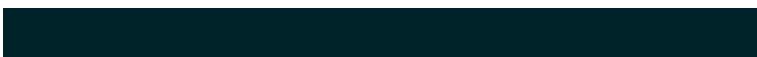
43, 92, 209



94, 99, 105



0, 80, 168



0, 19, 41

Inverse Universe

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



209, 43, 194



255, 13, 233



161, 209, 43



105, 94, 104



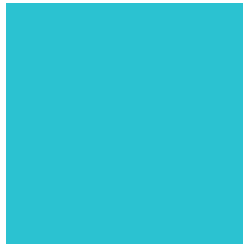
168, 0, 153



41, 0, 37

Previews

White Background



This preview shows how the RYB color 43, 122, 209 looks on a white background.

Color Contrast Check

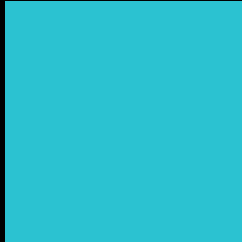
Large Text (above 18pt) WCAG AA × Fail

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 43, 122, 209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

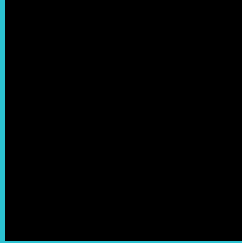
Any Text WCAG AA ✓ Pass

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 43, 122, 209 Background



This preview shows how black text looks on a background with the RYB color 43, 122, 209.

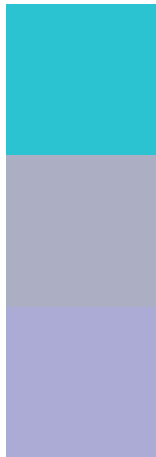


This preview shows how white text looks on a background with the RYB color 43, 122, 209.

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
43, 122, 209

Protanopia
172, 174, 196

Deuteranopia
172, 171, 214



Tritanopia
43, 122, 209

Trichromacy



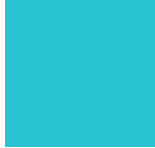
Original Color
43, 122, 209



Protanomaly
125, 157, 201



Deuteranomaly
125, 158, 212



Tritanomaly
43, 122, 209

Monochromacy



Original Color
43, 122, 209



Achromatopsia
150, 150, 150



Achromatomaly
111, 140, 171

CSS Examples

Text

The CSS property to change the color of the text to RYB 43, 122, 209 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(43, 194, 209)` looks like.

```
.text, #text, p{  
    color:rgb(43, 194, 209)  
}
```

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(43, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 194, 209) }
```

Border

The CSS property to change the border of an element to RYB 43, 122, 209 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(43, 194, 209) }
```

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

```
.border{ border-color:rgb(43, 194, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 194, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(43, 194,  
209) }
```

Background

The CSS property to change the background color of an element to RYB 43, 122, 209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 194, 209) }
```

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

```
.background{ background-color: rgb(43, 194,  
209) }
```

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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