

Converting Colors

`RYB(50, 123, 201)`

Have a look what the booklet for
RYB(50, 123, 201) contains.

RYB(50, 123, 201)	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(50, 123, 201)`

Conversions

Conversions Part 1

Format	Color
Hex	32BFC9
RGB	50, 191, 201
RGB Percent	20%, 75%, 79%
CMY	0.8039, 0.2497, 0.2118
CMYK	0.75, 0.05, 0.00, 0.21
HSL	184°, 60%, 49%
HSV	184°, 75%, 79%
XYZ	30.5588, 42.2967, 61.8118
YIQ	149.9810, -87.2460, -26.7820

Conversions

Conversions Part 2

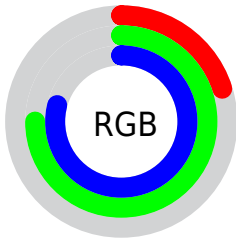
Format	Color
RYB	50, 123, 201
Decimal	3325897
CIELab	71.08, -32.79, -15.47
CIELCh	71, 36.258, 205.262
Yxy	42.2967, 0.2269, 0.3141
Android (android.graphics.Color)	4281515977 (0xFF32BFC9)
YUV	149.9810, 25.1524, -87.6833
Hunter-Lab	65.0359, -29.9401, -10.8256

Details

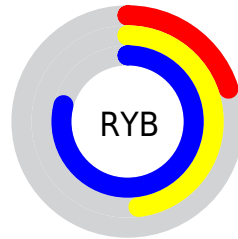
The RYB color **50, 123, 201** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **201, 61, 50**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **120, 186, 255**, and **0, 71, 147** is the 20% darker color. If you saturate the color by 10%, you get **30, 113, 201**, and if you desaturate by 10%, it is **70, 133, 201**.

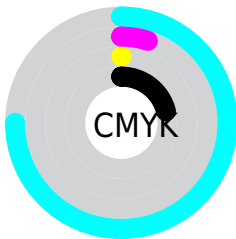
Distribution



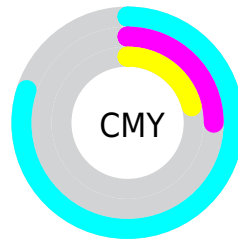
- Red (20%)
- Green (75%)
- Blue (79%)



- Red (20%)
- Yellow (48%)
- Blue (79%)



- Cyan (75%)
- Magenta (5%)
- Yellow (0%)
- Black (21%)





- Cyan (80%)
- Magenta (25%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 123, 201 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 50, 123, 201 by changing the saturation by 10% instead.

 50, 123, 201

 50, 123, 201

255, 255, 255

 0, 84, 174

 120, 186, 255

 0, 71, 147

 151, 203, 255

 0, 58, 121

 182, 219, 255

 0, 46, 97

 213, 234, 255


 0, 34, 73


 243, 249, 255

 0, 22, 50

 0, 7, 30

 0, 0, 0

 50, 123, 201

 50, 123, 201

■ 30, 113, 201

■ 70, 133, 201

■ 10, 102, 201

■ 90, 144, 201

■ 0, 97, 201

■ 110, 154, 201

■ 130, 164, 201

■ 151, 175, 201

■ 171, 185, 201

■ 191, 196, 201

■ 211, 202, 201

■ 231, 203, 201

Harmonies

Analogous

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



87, 146, 191



50, 123, 201



66, 135, 227

Triad

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



50, 123, 201



211, 156, 212



155, 201, 108

Complementary

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



50, 123, 201



201, 61, 50

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.



226, 181, 121



50, 123, 201



234, 149, 181

Square

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



50, 123, 201



171, 167, 234



238, 150, 147



113, 180, 126

Rectangle

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



50, 123, 201



100, 151, 237



238, 150, 147



189, 210, 110

Sweetspot

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



50, 123, 201



196, 224, 255



50, 193, 201



92, 109, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 123, 201



25, 136, 255



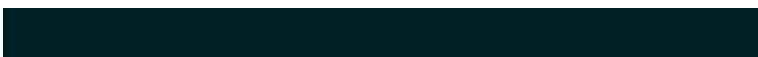
50, 97, 201



90, 95, 99



0, 79, 163



0, 17, 36

Inverse Universe

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



201, 50, 191



255, 25, 240



174, 201, 50



99, 90, 99



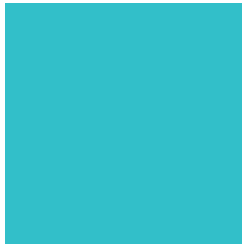
163, 0, 153



36, 0, 33

Previews

White Background



This preview shows how the RYB color 50, 123, 201 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 50, 123, 201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

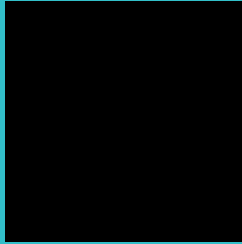
Any Text WCAG AA ✓ Pass

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 50, 123, 201 Background



This preview shows how black text looks on a background with the RGB color 50, 123, 201.

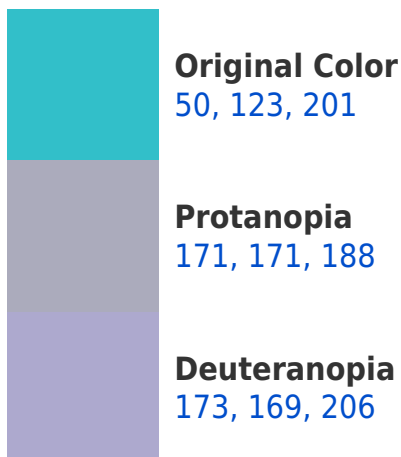


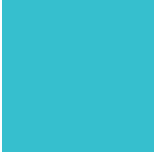
This preview shows how white text looks on a background with the RGB color 50, 123, 201.

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
54, 126, 206

Trichromacy



Original Color

50, 123, 201



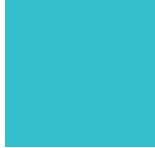
Protanomaly

127, 156, 193



Deuteranomaly

128, 158, 204



Tritanomaly

53, 125, 204

Monochromacy



Original Color

50, 123, 201



Achromatopsia

150, 150, 150



Achromatomaly

114, 140, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 123, 201 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(50, 191, 201)` looks like.

```
.text, #text, p{  
    color:rgb(50, 191, 201)  
}
```

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(50, 191, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 191, 201) }
```

Border

The CSS property to change the border of an element to RYB 50, 123, 201 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(50, 191, 201) }
```

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

```
.border{ border-color:rgb(50, 191, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 191, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 191, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 191, 201);  
box-shadow:4px 4px 4px 4px rgb(50, 191,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 50, 123, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 191, 201) }
```

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

```
.background{ background-color: rgb(50, 191,  
201) }
```

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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