

Converting Colors

`RYB(50, 120, 194)`

Have a look what the booklet for
RYB(50, 120, 194) contains.

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Color

$\text{RYB}(50, 120, 194)$

Conversions

Conversions Part 1

Format	Color
Hex	32BAC2
RGB	50, 186, 194
RGB Percent	20%, 73%, 76%
CMY	0.8039, 0.2697, 0.2392
CMYK	0.74, 0.04, 0.00, 0.24
HSL	183°, 59%, 48%
HSV	183°, 74%, 76%
XYZ	28.6575, 39.7821, 57.2072
YIQ	146.2480, -83.6240, -26.3440

Conversions

Conversions Part 2

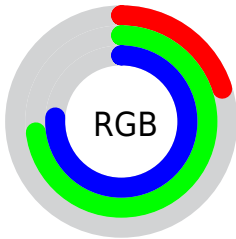
Format	Color
RYB	50, 120, 194
Decimal	3324610
CIELab	69.31, -32.46, -14.29
CIELCh	69, 35.463, 203.764
Yxy	39.7821, 0.2281, 0.3166
Android (android.graphics.Color)	4281514690 (0xFF32BAC2)
YUV	146.2480, 23.5417, -84.4095
Hunter-Lab	63.0731, -29.2758, -9.6248

Details

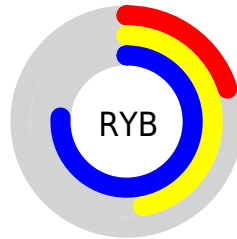
The RYB color **50, 120, 194** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted azure. A complement of this color would be **194, 58, 50**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **119, 183, 250**, and **0, 68, 140** is the 20% darker color. If you saturate the color by 10%, you get **31, 110, 194**, and if you desaturate by 10%, it is **69, 130, 194**.

Distribution



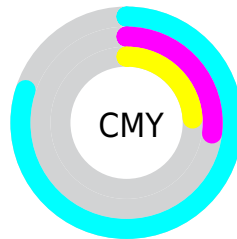
- Red (20%)
- Green (73%)
- Blue (76%)



- Red (20%)
- Yellow (47%)
- Blue (76%)



- Cyan (74%)
- Magenta (4%)
- Yellow (0%)
- Black (24%)





- Cyan (80%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 120, 194 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, 120, 194 by changing the saturation by 10% instead.

 50, 120, 194

 50, 120, 194

255, 255, 255

 0, 81, 167

 119, 183, 250

 0, 68, 140

 150, 203, 255

 0, 55, 115

 180, 218, 255

 0, 43, 90

 210, 233, 255


 0, 31, 67


 241, 248, 255

 0, 20, 45

 0, 1, 25

 0, 0, 0

 50, 120, 194

 50, 120, 194

■ 31, 110, 194

■ 69, 130, 194

■ 11, 100, 194

■ 89, 140, 194

■ 0, 94, 194

■ 108, 150, 194

■ 128, 160, 194

■ 147, 170, 194

■ 166, 180, 194

■ 186, 190, 194

■ 205, 195, 194

■ 225, 196, 194

Harmonies

Analogous

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



87, 144, 186



50, 120, 194



62, 130, 220

Triad

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



50, 120, 194



203, 152, 208



154, 197, 105

Complementary

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



50, 120, 194



194, 58, 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.



221, 172, 119



50, 120, 194



227, 145, 177

Square

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



50, 120, 194



164, 163, 228



232, 146, 145



109, 175, 119

Rectangle

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



50, 120, 194



95, 146, 230



232, 146, 145



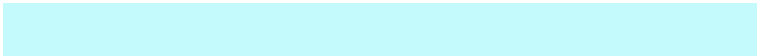
191, 206, 108

Sweetspot

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



50, 120, 194



197, 224, 252



50, 187, 194



94, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



50, 120, 194



28, 137, 252



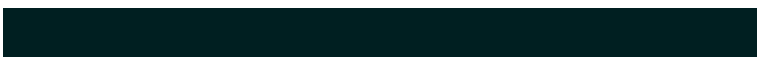
50, 95, 194



87, 92, 97



0, 78, 161



0, 16, 33

Inverse Universe

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



194, 50, 186



252, 28, 240



168, 194, 50



97, 87, 96



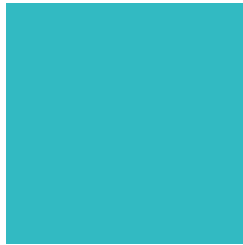
161, 0, 152



33, 0, 31

Previews

White Background



This preview shows how the RYB color 50, 120, 194 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, 120, 194 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

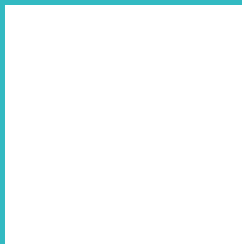
Any Text WCAG AAA ✓ Pass

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

R Y B 50, 120, 194 Background



This preview shows how black text looks on a background with the RYB color 50, 120, 194.

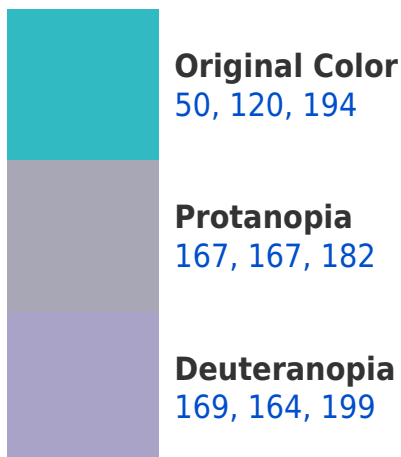


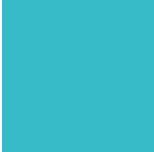
This preview shows how white text looks on a background with the RYB color 50, 120, 194.

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
55, 124, 200

Trichromacy



Original Color

50, 120, 194



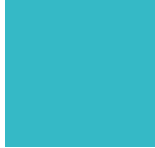
Protanomaly

124, 152, 186



Deuteranomaly

126, 154, 197



Tritanomaly

53, 122, 198

Monochromacy



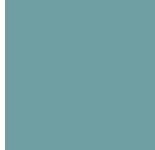
Original Color

50, 120, 194



Achromatopsia

146, 146, 146



Achromatomaly

111, 136, 163

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 120, 194 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, 186, 194)` looks like.

```
.text, #text, p{  
    color:rgb(50, 186, 194)  
}
```

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, 186, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 186, 194) }
```

Border

The CSS property to change the border of an element to RYB 50, 120, 194 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, 186, 194) }
```

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

```
.border{ border-color:rgb(50, 186, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 186, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 186, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 186, 194);  
box-shadow:4px 4px 4px 4px rgb(50, 186,  
194) }
```

Background

The CSS property to change the background color of an element to RGB 50, 120, 194 is called "background".

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

```
.background, #background, body{  
background: rgb(50, 186, 194) }
```

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

```
.background{ background-color: rgb(50, 186,  
194) }
```

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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