

Converting Colors

`RYB(51, 110, 170)`

Have a look what the booklet for
RYB(51, 110, 170) contains.

RYB(51, 110, 170)	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(51, 110, 170)`

Conversions

Conversions Part 1

Format	Color
Hex	33A8AA
RGB	51, 168, 170
RGB Percent	20%, 66%, 67%
CMY	0.8000, 0.3411, 0.3333
CMYK	0.70, 0.01, 0.00, 0.33
HSL	181°, 54%, 43%
HSV	181°, 70%, 67%
XYZ	22.6266, 31.6175, 42.9404
YIQ	133.2450, -70.3740, -24.1820

Conversions

Conversions Part 2

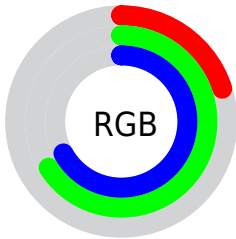
Format	Color
RYB	51, 110, 170
Decimal	3385514
CIELab	63.03, -30.74, -10.42
CIELCh	63, 32.461, 198.716
Yxy	31.6175, 0.2328, 0.3253
Android (android.graphics.Color)	4281575594 (0xFF33A8AA)
YUV	133.2450, 18.1202, -72.1289
Hunter-Lab	56.2294, -26.5734, -5.9171

Details

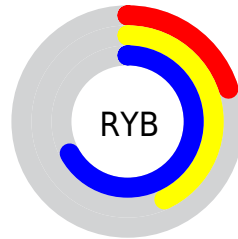
The RYB color **51, 110, 170** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **170, 53, 51**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **115, 170, 225**, and **0, 58, 118** is the 20% darker color. If you saturate the color by 10%, you get **34, 101, 170**, and if you desaturate by 10%, it is **68, 118, 170**.

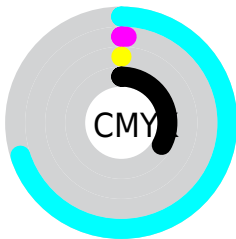
Distribution



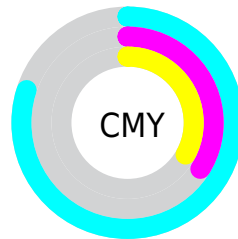
- Red (20%)
- Green (66%)
- Blue (67%)



- Red (20%)
- Yellow (43%)
- Blue (67%)



- Cyan (70%)
- Magenta (1%)
- Yellow (0%)
- Black (33%)




- Cyan (80%)
- Magenta (34%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 51, 110, 170 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 51, 110, 170 by changing the saturation by 10% instead.

 51, 110, 170

255, 255, 255


 115, 170, 225

 145, 199, 254

 174, 215, 255

 204, 230, 255


 234, 245, 255

 51, 110, 170


 0, 71, 144

 0, 58, 118


 0, 46, 93


 0, 34, 70


 0, 22, 47


 0, 11, 27

 0, 0, 0

 51, 110, 170

 34, 101, 170

 51, 110, 170

 68, 118, 170

■ 17, 93, 170

■ 85, 127, 170

■ 0, 84, 170

■ 102, 136, 170

■ 119, 144, 170

■ 136, 153, 170

■ 153, 162, 170

■ 170, 170, 170

■ 187, 170, 170

■ 204, 171, 170

Harmonies

Analogous

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



85, 134, 167



51, 110, 170



52, 115, 195

Triad

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



51, 110, 170



178, 139, 191



155, 182, 96

Complementary

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



51, 110, 170



170, 53, 51

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.



202, 148, 110



51, 110, 170



202, 131, 165

Square

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



51, 110, 170



140, 148, 207



209, 131, 135



97, 156, 99

Rectangle

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



51, 110, 170



78, 128, 206



209, 131, 135



189, 189, 99

Sweetspot

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



51, 110, 170



175, 198, 222



51, 168, 170



84, 98, 112



240, 240, 240



112, 112, 112

Same Dimension

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



51, 110, 170



35, 128, 222



51, 90, 170



76, 80, 84



0, 73, 148



0, 10, 20

Inverse Universe

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



170, 51, 168



222, 35, 219



164, 170, 51



84, 76, 84



148, 0, 145



20, 0, 20

Previews

White Background



This preview shows how the RYB color 51, 110, 170 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 51, 110, 170 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 51, 110, 170 Background



This preview shows how black text looks on a background with the RYB color 51, 110, 170.

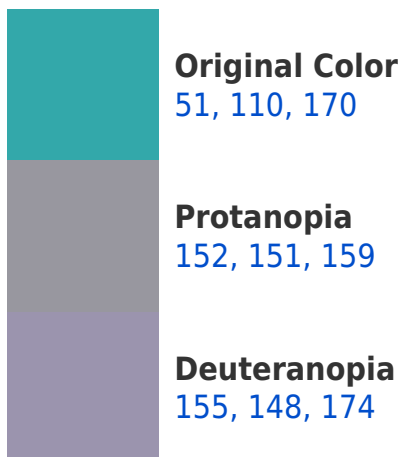


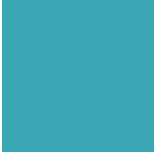
This preview shows how white text looks on a background with the RYB color 51, 110, 170.

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
57, 115, 180

Trichromacy



Original Color

51, 110, 170



Protanomaly

115, 137, 163



Deuteranomaly

117, 140, 173



Tritanomaly

55, 113, 176

Monochromacy



Original Color

51, 110, 170



Achromatopsia

133, 133, 133



Achromatomaly

103, 125, 146

CSS Examples

Text

The CSS property to change the color of the text to RYB 51, 110, 170 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(51, 168, 170)` looks like.

```
.text, #text, p{  
    color:rgb(51, 168, 170)  
}
```

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(51, 168, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 168, 170) }
```

Border

The CSS property to change the border of an element to RYB 51, 110, 170 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(51, 168, 170) }
```

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

```
.border{ border-color:rgb(51, 168, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 168, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 168, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 168, 170);  
box-shadow:4px 4px 4px 4px rgb(51, 168,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 51, 168, 170 is called "background".

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

```
.background, #background, body{  
background: rgb(51, 168, 170) }
```

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

```
.background{ background-color: rgb(51, 168,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor