

Converting Colors

`RYB(31, 110, 190)`

Have a look what the booklet for
RYB(31, 110, 190) contains.

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Color

$\text{RYB}(31, 110, 190)$

Conversions

Conversions Part 1

Format	Color
Hex	1FBCBE
RGB	31, 188, 190
RGB Percent	12%, 74%, 75%
CMY	0.8784, 0.2627, 0.2549
CMYK	0.84, 0.01, 0.00, 0.25
HSL	181°, 72%, 43%
HSV	181°, 84%, 75%
XYZ	27.8452, 39.9808, 54.9647
YIQ	141.2850, -94.2140, -32.6620

Conversions

Conversions Part 2

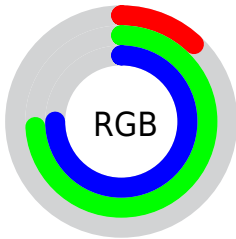
Format	Color
RYB	31, 110, 190
Decimal	2079934
CIELab	69.46, -36.27, -11.91
CIELCh	69, 38.171, 198.180
Yxy	39.9808, 0.2268, 0.3256
Android (android.graphics.Color)	4280270014 (0xFF1FBCBE)
YUV	141.2850, 24.0165, -96.7199
Hunter-Lab	63.2304, -32.0458, -7.2781

Details

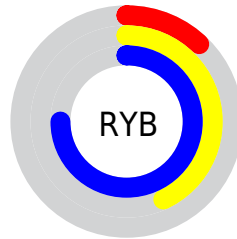
The RYB color **31, 110, 190** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **190, 33, 31**, and the grayscale version is **141, 141, 141**.

A 20% lighter version of the original color is **110, 178, 246**, and **0, 68, 137** is the 20% darker color. If you saturate the color by 10%, you get **12, 100, 190**, and if you desaturate by 10%, it is **50, 119, 190**.

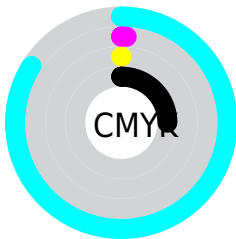
Distribution



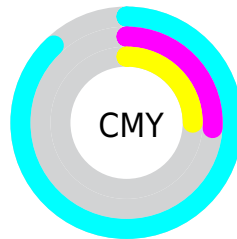
- Red (12%)
- Green (74%)
- Blue (75%)



- Red (12%)
- Yellow (43%)
- Blue (75%)



- Cyan (84%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)





- Cyan (88%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 110, 190 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 31, 110, 190 by changing the saturation by 10% instead.

 31, 110, 190


 31, 110, 190

255, 255, 255

 0, 81, 163

 110, 178, 246

 0, 68, 137

 141, 198, 255

 0, 55, 111

 172, 214, 255

 0, 42, 87

 203, 229, 255


 0, 31, 64


 233, 244, 255

 0, 20, 42

 0, 1, 22

 0, 0, 0

 31, 110, 190

 31, 110, 190

■ 12, 100, 190

■ 50, 119, 190

■ 0, 94, 190

■ 69, 129, 190

■ 88, 139, 190

■ 107, 148, 190

■ 126, 158, 190

■ 145, 167, 190

■ 164, 177, 190

■ 183, 187, 190

■ 202, 190, 190

Harmonies

Analogous

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



87, 147, 187



31, 110, 190



26, 113, 220

Triad

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



31, 110, 190



200, 153, 216



171, 204, 102

Complementary

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



31, 110, 190



190, 33, 31

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.



228, 164, 119



31, 110, 190



228, 144, 185

Square

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



31, 110, 190



153, 164, 235



237, 143, 150



103, 174, 106

Rectangle

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



31, 110, 190



72, 137, 233



237, 143, 150



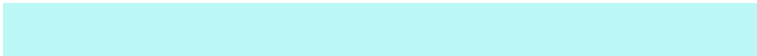
214, 210, 106

Sweetspot

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



31, 110, 190



186, 217, 247



31, 190, 190



87, 106, 125



252, 252, 252



125, 125, 125

Same Dimension

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



31, 110, 190



0, 123, 247



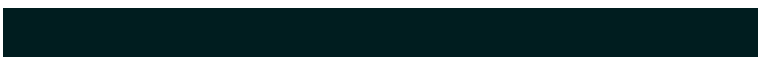
31, 84, 190



85, 90, 94



0, 78, 158



0, 15, 31

Inverse Universe

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



190, 31, 188



247, 0, 244



188, 190, 31



94, 85, 94



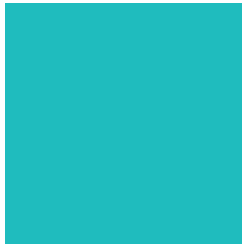
158, 0, 156



31, 0, 30

Previews

White Background



This preview shows how the RYB color 31, 110, 190 looks on a white background.

Color Contrast Check

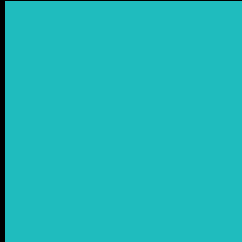
Large Text (above 18pt) WCAG AA × Fail

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 31, 110, 190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

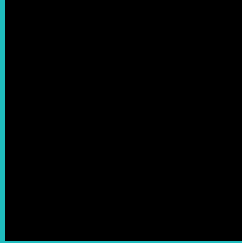
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

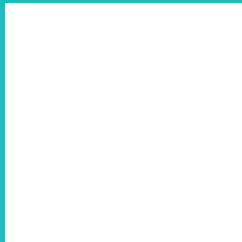
Any Text WCAG AAA ✓ Pass

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

RYB 31, 110, 190 Background



This preview shows how black text looks on a background with the RYB color 31, 110, 190.

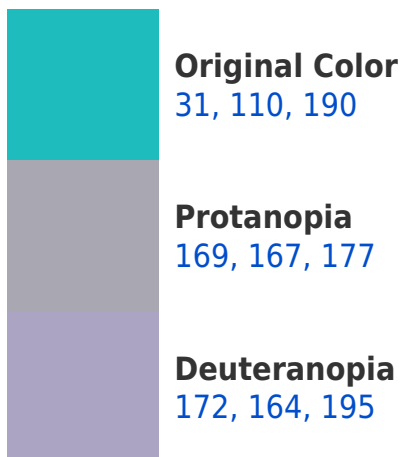


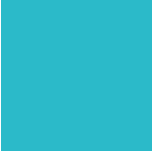
This preview shows how white text looks on a background with the RYB color 31, 110, 190.

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
43, 118, 201

Trichromacy



Original Color

31, 110, 190



Protanomaly

119, 149, 182



Deuteranomaly

121, 151, 193



Tritanomaly

39, 115, 197

Monochromacy



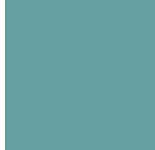
Original Color

31, 110, 190



Achromatopsia

141, 141, 141



Achromatomaly

101, 130, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 110, 190 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(31, 188, 190)` looks like.

```
.text, #text, p{  
    color:rgb(31, 188, 190)  
}
```

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(31, 188, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 188, 190) }
```

Border

The CSS property to change the border of an element to RYB 31, 110, 190 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(31, 188, 190) }
```

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

```
.border{ border-color:rgb(31, 188, 190) }
```

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

Here you see how a box with a 4 pixel rgb(31, 188, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 188, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 188, 190);  
box-shadow:4px 4px 4px 4px rgb(31, 188,  
190) }
```

Background

The CSS property to change the background color of an element to RYB 31, 110, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 188, 190) }
```

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

```
.background{ background-color: rgb(31, 188,  
190) }
```

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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