

Converting Colors

`RYB(31, 124, 193)`

Have a look what the booklet for
RYB(31, 124, 193) contains.

RYB(31, 124, 193)	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

$\text{RYB}(31, 124, 193)$

Conversions

Conversions Part 1

Format	Color
Hex	1FC197
RGB	31, 193, 151
RGB Percent	12%, 76%, 59%
CMY	0.8784, 0.2431, 0.4071
CMYK	0.84, 0.00, 0.22, 0.24
HSL	165°, 72%, 44%
HSV	165°, 84%, 76%
XYZ	25.2367, 40.6719, 35.8810
YIQ	139.7740, -83.0700, -47.4060

Conversions

Conversions Part 2

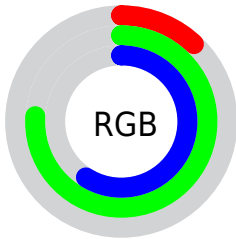
Format	Color
RYB	31, 124, 193
Decimal	2081175
CIELab	69.95, -49.09, 10.04
CIElCh	70, 50.103, 168.443
Yxy	40.6719, 0.2479, 0.3996
Android (android.graphics.Color)	4280271255 (0xFF1FC197)
YUV	139.7740, 5.5344, -95.3948
Hunter-Lab	63.7745, -40.9699, 11.2843

Details

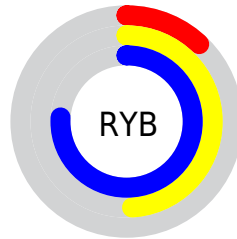
The RYB color **31, 124, 193** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **193, 31, 73**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **107, 192, 250**, and **0, 80, 138** is the 20% darker color. If you saturate the color by 10%, you get **12, 116, 193**, and if you desaturate by 10%, it is **50, 132, 193**.

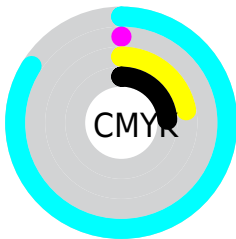
Distribution



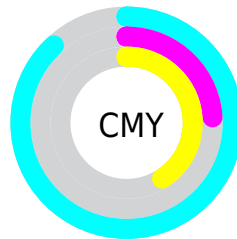
- Red (12%)
- Green (76%)
- Blue (59%)



- Red (12%)
- Yellow (49%)
- Blue (76%)



- Cyan (84%)
- Magenta (0%)
- Yellow (22%)
- Black (24%)



- Cyan (88%)
- Magenta (24%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 31, 124, 193 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, 124, 193 by changing the saturation by 10% instead.



31, 124, 193



31, 124, 193

255, 255, 255



0, 94, 165



107, 192, 250



0, 80, 138



138, 202, 255



0, 67, 112



169, 212, 255



0, 53, 86



199, 227, 255



0, 41, 62



230, 243, 255



0, 32, 40



0, 0, 0



31, 124, 193



31, 124, 193



12, 116, 193



50, 132, 193

■ 0, 111, 193

■ 70, 141, 193

■ 89, 149, 193

■ 108, 157, 193

■ 128, 165, 193

■ 147, 173, 193

■ 166, 182, 193

■ 185, 190, 193

■ 205, 193, 196

Harmonies

Analogous

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



108, 187, 177



31, 124, 193



0, 98, 198

Triad

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



31, 124, 193



146, 163, 255



244, 163, 105

Complementary

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



31, 124, 193



193, 31, 73

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.



255, 134, 145



31, 124, 193



210, 148, 232

Square

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



31, 124, 193



21, 116, 255



246, 135, 191



163, 213, 80

Rectangle

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



31, 124, 193



0, 104, 226



246, 135, 191



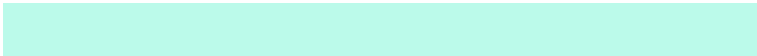
251, 146, 117

Sweetspot

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



31, 124, 193



187, 223, 250



31, 193, 150



87, 109, 125



252, 252, 252



125, 125, 125

Same Dimension

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



31, 124, 193



0, 144, 250



31, 101, 193



87, 93, 97



0, 93, 161



0, 19, 33

Inverse Universe

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



193, 31, 73



250, 0, 64



193, 81, 31



97, 87, 90



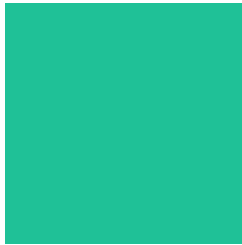
161, 0, 41



33, 0, 9

Previews

White Background



This preview shows how the RYB color 31, 124, 193 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, 124, 193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

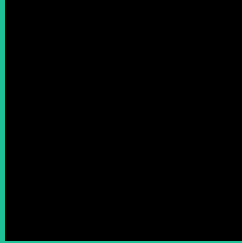
Any Text WCAG AA ✓ Pass

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 31, 124, 193 Background



This preview shows how black text looks on a background with the RGB color 31, 124, 193.



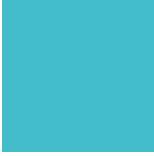
This preview shows how white text looks on a background with the RGB color 31, 124, 193.

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
66, 130, 201

Trichromacy



Original Color

31, 124, 193



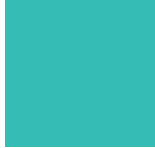
Protanomaly

125, 165, 178



Deuteranomaly

132, 160, 175



Tritanomaly

53, 123, 189

Monochromacy



Original Color

31, 124, 193



Achromatopsia

140, 140, 140



Achromatomaly

100, 134, 159

CSS Examples

Text

The CSS property to change the color of the text to RYB 31, 124, 193 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, 193, 151)` looks like.

```
.text, #text, p{  
    color:rgb(31, 193, 151)  
}
```

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, 193, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 193, 151) }
```

Border

The CSS property to change the border of an element to RYB 31, 124, 193 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, 193, 151) }
```

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

```
.border{ border-color:rgb(31, 193, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 193, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 193, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 193, 151);  
box-shadow:4px 4px 4px 4px rgb(31, 193,  
151) }
```

Background

The CSS property to change the background color of an element to RGB 31, 124, 193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 193, 151) }
```

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

```
.background{ background-color: rgb(31, 193,  
151) }
```

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