

Converting Colors

`RYB(19, 119, 193)`

Have a look what the booklet for
RYB(19, 119, 193) contains.

RYB(19, 119, 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

$\text{RYB}(19, 119, 193)$

Conversions

Conversions Part 1

Format	Color
Hex	13C194
RGB	19, 193, 148
RGB Percent	7%, 76%, 58%
CMY	0.9255, 0.2431, 0.4205
CMYK	0.90, 0.00, 0.23, 0.24
HSL	164°, 82%, 42%
HSV	164°, 90%, 76%
XYZ	24.6648, 40.4089, 34.4172
YIQ	135.8440, -89.2590, -50.8830

Conversions

Conversions Part 2

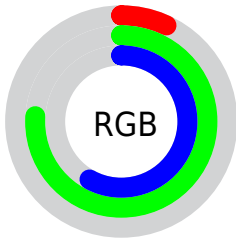
Format	Color
RYB	19, 119, 193
Decimal	1294740
CIELab	69.76, -50.73, 11.62
CIELCh	70, 52.047, 167.097
Yxy	40.4089, 0.2479, 0.4062
Android (android.graphics.Color)	4279484820 (0xFF13C194)
YUV	135.8440, 5.9929, -102.4722
Hunter-Lab	63.5680, -41.9847, 12.3966

Details

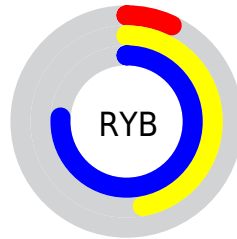
The RYB color **19, 119, 193** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **193, 19, 64**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **103, 191, 250**, and **0, 81, 138** is the 20% darker color. If you saturate the color by 10%, you get **0, 111, 193**, and if you desaturate by 10%, it is **38, 127, 193**.

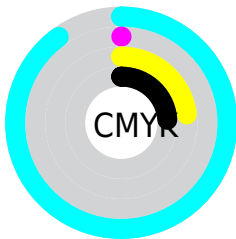
Distribution



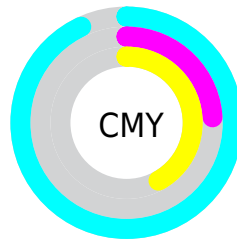
- Red (7%)
- Green (76%)
- Blue (58%)



- Red (7%)
- Yellow (47%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (23%)
- Black (24%)




- Cyan (93%)
- Magenta (24%)
- Yellow (42%)


Brightness & Saturation Gradients

These gradients show how the RYB color 19, 119, 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 19, 119, 193 by changing the saturation by 10% instead.

 19, 119, 193

255, 255, 255


 103, 191, 250

 135, 202, 255

 165, 210, 255

 196, 226, 255

 226, 241, 255

 19, 119, 193

 0, 95, 165

 0, 81, 138


 0, 68, 112

 0, 54, 86


 0, 42, 62


 0, 35, 39

 0, 0, 0

 19, 119, 193

 0, 111, 193

 19, 119, 193

 38, 127, 193

■ 58, 136, 193

■ 77, 144, 193

■ 96, 152, 193

■ 115, 160, 193

■ 135, 168, 193

■ 154, 176, 193

■ 173, 184, 193

■ 193, 193, 193

Harmonies

Analogous

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



104, 187, 173



19, 119, 193



0, 98, 197

Triad

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



19, 119, 193



140, 161, 255



247, 158, 103

Complementary

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



19, 119, 193



193, 19, 64

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, 131, 145



19, 119, 193



208, 147, 235

Square

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



19, 119, 193



0, 106, 255



247, 133, 193



164, 215, 76

Rectangle

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



19, 119, 193



0, 104, 226



247, 133, 193



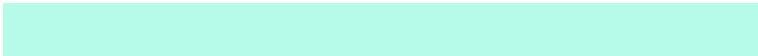
253, 142, 116

Sweetspot

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



19, 119, 193



182, 221, 250



19, 193, 147



85, 108, 125



252, 252, 252



125, 125, 125

Same Dimension

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



19, 119, 193



0, 144, 250



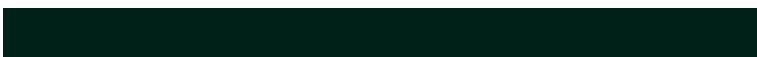
19, 94, 193



87, 93, 97



0, 93, 161



0, 19, 33

Inverse Universe

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



193, 19, 64



250, 0, 65



193, 73, 19



97, 87, 90



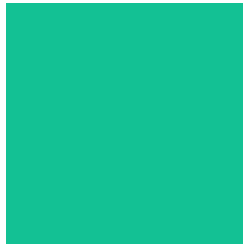
161, 0, 42



33, 0, 9

Previews

White Background



This preview shows how the RYB color 19, 119, 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 19, 119, 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](#).

R Y B 19, 119, 193 Background



This preview shows how black text looks on a background with the RYB color 19, 119, 193.

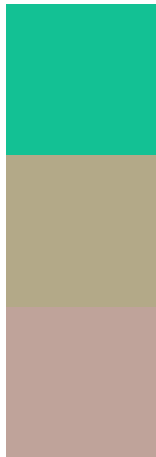


This preview shows how white text looks on a background with the RYB color 19, 119, 193.

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](#).

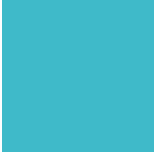
Dichromacy



Original Color
19, 119, 193

Protanopia
149, 179, 136

Deuteranopia
191, 166, 154



Tritanopia
63, 128, 201

Trichromacy



Original Color

19, 119, 193



Protanomaly

121, 164, 178



Deuteranomaly

128, 158, 174



Tritanomaly

47, 120, 189

Monochromacy



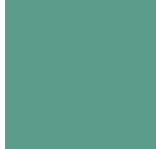
Original Color

19, 119, 193



Achromatopsia

136, 136, 136



Achromatomaly

93, 130, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 119, 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(19, 193, 148)` looks like.

```
.text, #text, p{  
    color:rgb(19, 193, 148)  
}
```

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(19, 193, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 193, 148) }
```

Border

The CSS property to change the border of an element to RYB 19, 119, 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(19, 193, 148) }
```

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

```
.border{ border-color:rgb(19, 193, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 193, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 193, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 193, 148);  
box-shadow:4px 4px 4px 4px rgb(19, 193,  
148) }
```

Background

The CSS property to change the background color of an element to RGB 19, 119, 193 is called "background".

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

```
.background, #background, body{  
background: rgb(19, 193, 148) }
```

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

```
.background{ background-color: rgb(19, 193,  
148) }
```

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