

Converting Colors

`RYB(19, 132, 197)`

Have a look what the booklet for
RYB(19, 132, 197) contains.

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Color

$\text{RYB}(19, 132, 197)$

Conversions

Conversions Part 1

Format	Color
Hex	13C579
RGB	19, 197, 121
RGB Percent	7%, 77%, 47%
CMY	0.9255, 0.2275, 0.5240
CMYK	0.90, 0.00, 0.38, 0.23
HSL	155°, 82%, 42%
HSV	155°, 90%, 77%
XYZ	23.7099, 41.4610, 24.9677
YIQ	135.1140, -81.6920, -61.3720

Conversions

Conversions Part 2

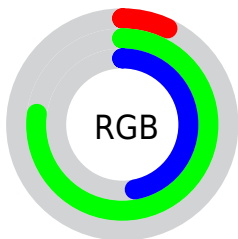
Format	Color
RYB	19, 132, 197
Decimal	1295737
CIELab	70.50, -58.08, 26.72
CIELCh	70, 63.934, 155.298
Yxy	41.4610, 0.2630, 0.4600
Android (android.graphics.Color)	4279485817 (0xFF13C579)
YUV	135.1140, -6.9582, -101.8320
Hunter-Lab	64.3902, -46.9551, 22.0831

Details

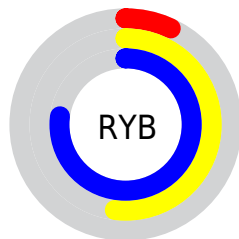
The RYB color **19, 132, 197** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **197, 19, 95**, and the grayscale version is **135, 135, 135**.

A 20% lighter version of the original color is **103, 207, 255**, and **0, 95, 142** is the 20% darker color. If you saturate the color by 10%, you get **0, 125, 197**, and if you desaturate by 10%, it is **39, 139, 197**.

Distribution



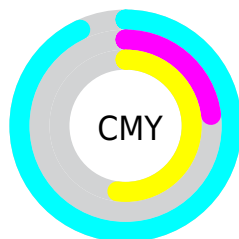
- Red (7%)
- Green (77%)
- Blue (47%)



- Red (7%)
- Yellow (52%)
- Blue (77%)



- Cyan (90%)
- Magenta (0%)
- Yellow (38%)
- Black (23%)





- Cyan (93%)
- Magenta (23%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the RYB color 19, 132, 197 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, 132, 197 by changing the saturation by 10% instead.

 19, 132, 197

 19, 132, 197

255, 255, 255

 0, 108, 169


 103, 207, 255

 0, 94, 142


 135, 212, 255

 0, 81, 115

 166, 218, 255

 0, 69, 89

 196, 226, 255


 0, 63, 64

 227, 241, 255

 0, 41, 41

 0, 3, 3

 0, 0, 0

 19, 132, 197

 19, 132, 197

■ 0, 125, 197

■ 39, 139, 197

■ 58, 146, 197

■ 78, 154, 197

■ 98, 161, 197

■ 118, 168, 197

■ 137, 175, 197

■ 157, 182, 197

■ 177, 190, 197

■ 196, 197, 197

Harmonies

Analogous

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



71, 188, 126



19, 132, 197



0, 106, 201

Triad

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



19, 132, 197



62, 134, 255



255, 133, 108

Complementary

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



19, 132, 197



197, 19, 95

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, 118, 164



19, 132, 197



188, 153, 255

Square

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



19, 132, 197



0, 109, 255



251, 129, 222



241, 239, 64

Rectangle

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



19, 132, 197



0, 105, 220



251, 129, 222



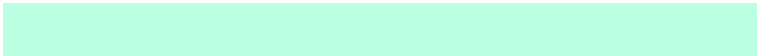
255, 123, 126

Sweetspot

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



19, 132, 197



186, 230, 255



19, 197, 120



87, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



19, 132, 197



0, 162, 255



19, 105, 197



90, 96, 99



0, 103, 163



0, 23, 36

Inverse Universe

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



197, 19, 95



255, 0, 108



197, 32, 19



99, 90, 94



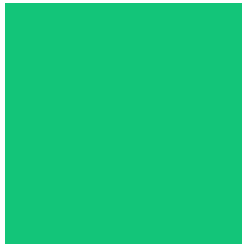
163, 0, 69



36, 0, 15

Previews

White Background



This preview shows how the RYB color 19, 132, 197 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, 132, 197 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 19, 132, 197 Background



This preview shows how black text looks on a background with the RYB color 19, 132, 197.

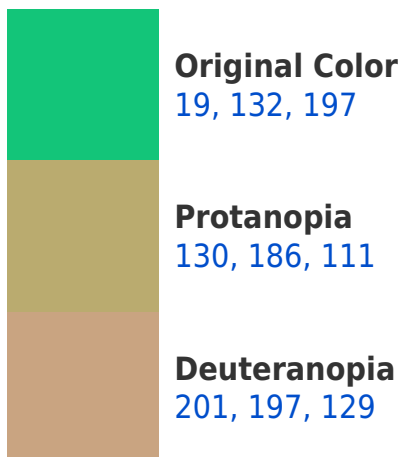


This preview shows how white text looks on a background with the RYB color 19, 132, 197.

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
72, 133, 202

Trichromacy



Original Color

19, 132, 197



Protanomaly

115, 180, 170



Deuteranomaly

126, 176, 167



Tritanomaly

53, 127, 191

Monochromacy



Original Color

19, 132, 197



Achromatopsia

135, 135, 135



Achromatomaly

93, 134, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 132, 197 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, 197, 121)` looks like.

```
.text, #text, p{  
    color:rgb(19, 197, 121)  
}
```

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, 197, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 197, 121) }
```

Border

The CSS property to change the border of an element to RYB 19, 132, 197 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, 197, 121) }
```

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

```
.border{ border-color:rgb(19, 197, 121) }
```

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

Here you see how a box with a 4 pixel rgb(19, 197, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 197, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 197, 121);  
box-shadow:4px 4px 4px 4px rgb(19, 197,  
121) }
```

Background

The CSS property to change the background color of an element to RGB 19, 132, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 197, 121) }
```

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

```
.background{ background-color: rgb(19, 197,  
121) }
```

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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