

Converting Colors

`RYB(18, 117, 191)`

Have a look what the booklet for RYB(18, 117, 191) contains.

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Color

$\text{RYB}(18, 117, 191)$

Conversions

Conversions Part 1

Format	Color
Hex	12BF93
RGB	18, 191, 147
RGB Percent	7%, 75%, 58%
CMY	0.9294, 0.2510, 0.4223
CMYK	0.91, 0.00, 0.23, 0.25
HSL	165°, 83%, 41%
HSV	165°, 91%, 75%
XYZ	24.1713, 39.5066, 34.0843
YIQ	134.2570, -88.9840, -50.3600

Conversions

Conversions Part 2

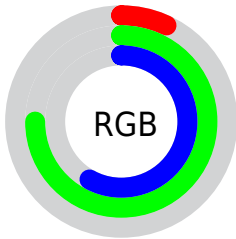
Format	Color
RYB	18, 117, 191
Decimal	1228691
CIELab	69.12, -50.10, 10.95
CIELCh	69, 51.286, 167.667
Yxy	39.5066, 0.2472, 0.4041
Android (android.graphics.Color)	4279418771 (0xFF12BF93)
YUV	134.2570, 6.2823, -101.9574
Hunter-Lab	62.8543, -41.3508, 11.8465

Details

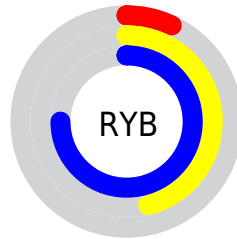
The RYB color **18, 117, 191** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **191, 18, 62**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **102, 189, 248**, and **0, 80, 136** is the 20% darker color. If you saturate the color by 10%, you get **0, 109, 191**, and if you desaturate by 10%, it is **37, 125, 191**.

Distribution



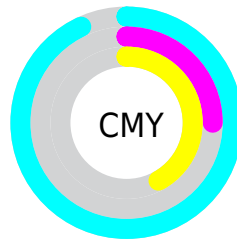
- Red (7%)
- Green (75%)
- Blue (58%)



- Red (7%)
- Yellow (46%)
- Blue (75%)



- Cyan (91%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)






















- Cyan (93%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the RYB color 18, 117, 191 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 18, 117, 191 by changing the saturation by 10% instead.

 18, 117, 191	 18, 117, 191
 255, 255, 255	 0, 93, 163
 102, 189, 248	 0, 79, 136
 134, 202, 255	 0, 66, 110
 164, 210, 255	 0, 54, 85
 195, 225, 255	 0, 40, 60
 225, 240, 255	 0, 34, 38
	 0, 0, 0

 18, 117, 191	 18, 117, 191
 0, 109, 191	 37, 125, 191

■ 56, 133, 191

■ 75, 141, 191

■ 94, 149, 191

■ 114, 158, 191

■ 133, 166, 191

■ 152, 174, 191

■ 171, 182, 191

■ 190, 191, 191

Harmonies

Analogous

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



104, 185, 173



18, 117, 191



0, 97, 195

Triad

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



18, 117, 191



140, 160, 255



243, 158, 102

Complementary

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



18, 117, 191



191, 18, 62

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, 130, 143



18, 117, 191



207, 146, 232

Square

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



18, 117, 191



0, 105, 255



245, 132, 190



163, 212, 76

Rectangle

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



18, 117, 191



0, 103, 224



245, 132, 190



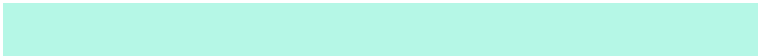
250, 142, 114

Sweetspot

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



18, 117, 191



181, 219, 247



18, 191, 145



85, 108, 125



252, 252, 252



125, 125, 125

Same Dimension

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



18, 117, 191



0, 141, 247



18, 93, 191



85, 90, 94



0, 90, 158



0, 18, 31

Inverse Universe

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



191, 18, 62



247, 0, 62



191, 70, 18



94, 85, 87



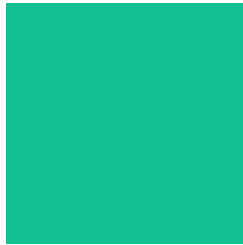
158, 0, 40



31, 0, 8

Previews

White Background



This preview shows how the RYB color 18, 117, 191 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 18, 117, 191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

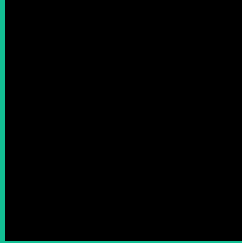
Any Text WCAG AA ✓ Pass

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 18, 117, 191 Background



This preview shows how black text looks on a background with the RYB color 18, 117, 191.

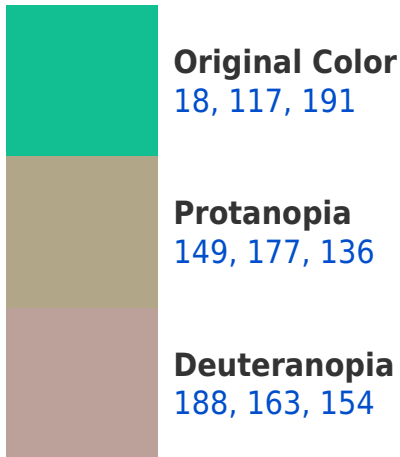


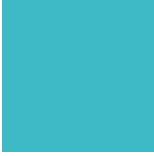
This preview shows how white text looks on a background with the RYB color 18, 117, 191.

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
62, 127, 199

Trichromacy



Original Color

18, 117, 191



Protanomaly

119, 161, 176



Deuteranomaly

126, 155, 172



Tritanomaly

46, 118, 187

Monochromacy



Original Color

18, 117, 191



Achromatopsia

134, 134, 134



Achromatomaly

92, 128, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 18, 117, 191 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(18, 191, 147)` looks like.

```
.text, #text, p{  
    color:rgb(18, 191, 147)  
}
```

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(18, 191, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 191, 147) }
```

Border

The CSS property to change the border of an element to RYB 18, 117, 191 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(18, 191, 147) }
```

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

```
.border{ border-color:rgb(18, 191, 147) }
```

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

Here you see how a box with a 4 pixel rgb(18, 191, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 191, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 191, 147);  
box-shadow:4px 4px 4px 4px rgb(18, 191,  
147) }
```

Background

The CSS property to change the background color of an element to RGB 18, 191, 147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 191, 147) }
```

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

```
.background{ background-color: rgb(18, 191,  
147) }
```

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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