

Converting Colors

`RYB(19, 117, 250)`

Have a look what the booklet for
RYB(19, 117, 250) contains.

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Color

`RYB(19, 117, 250)`

Conversions

Conversions Part 1

Format	Color
Hex	13BDFA
RGB	19, 189, 250
RGB Percent	7%, 74%, 98%
CMY	0.9255, 0.2580, 0.0196
CMYK	0.92, 0.24, 0.00, 0.02
HSL	196°, 96%, 53%
HSV	196°, 92%, 98%
XYZ	35.7668, 43.5264, 96.9588
YIQ	145.1240, -120.9010, -17.0690

Conversions

Conversions Part 2

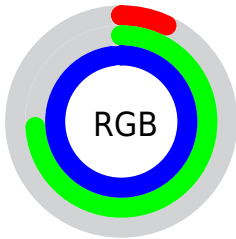
Format	Color
R _Y B	19, 117, 250
Decimal	1293818
CIE Lab	71.91, -17.95, -40.84
CIE LCh	72, 44.613, 246.282
Yxy	43.5264, 0.2029, 0.2470
Android (android.graphics.Color)	4279483898 (0xFF13BDF8)
YUV	145.1240, 51.7039, -110.6107
Hunter-Lab	65.9745, -18.6852, -40.9528

Details

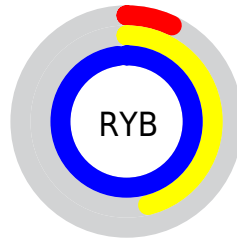
The RYB color **19, 117, 250** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **250, 102, 19**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **116, 183, 255**, and **0, 80, 193** is the 20% darker color. If you saturate the color by 10%, you get **0, 106, 250**, and if you desaturate by 10%, it is **44, 131, 250**.

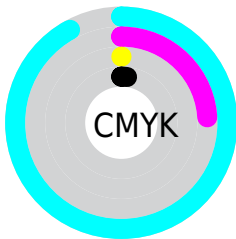
Distribution



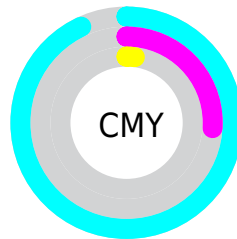
- Red (7%)
- Green (74%)
- Blue (98%)



- Red (7%)
- Yellow (46%)
- Blue (98%)



- Cyan (92%)
- Magenta (24%)
- Yellow (0%)
- Black (2%)




















- Cyan (93%)
- Magenta (26%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 117, 250 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, 117, 250 by changing the saturation by 10% instead.

 19, 117, 250	 19, 117, 250
 255, 255, 255	 0, 93, 221
 116, 183, 255	 0, 80, 193
 149, 202, 255	 0, 67, 166
 182, 219, 255	 0, 53, 139
 214, 235, 255	 0, 40, 113
 245, 250, 255	 0, 28, 89
	 0, 14, 65
	 0, 3, 42
	 0, 1, 20

■ 19, 117, 250

■ 19, 117, 250

■ 0, 106, 250

■ 44, 131, 250

■ 69, 146, 250

■ 94, 160, 250

■ 119, 175, 250

■ 144, 189, 250

■ 169, 203, 250

■ 194, 218, 250

■ 219, 232, 250

■ 244, 246, 250

Harmonies

Analogous

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



0, 104, 223



19, 117, 250



127, 163, 255

Triad

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



19, 117, 250



253, 143, 169



109, 188, 147

Complementary

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



19, 117, 250



250, 102, 19

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.



114, 194, 94



19, 117, 250



250, 153, 130

Square

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



19, 117, 250



234, 149, 210



228, 217, 102



98, 165, 195

Rectangle

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



19, 117, 250



173, 168, 249



228, 217, 102



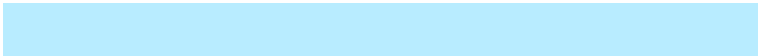
101, 185, 121

Sweetspot

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



19, 117, 250



184, 214, 255



19, 204, 250



84, 103, 128



0, 0, 0



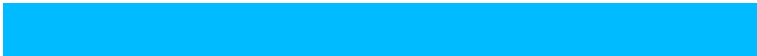
128, 128, 128

Same Dimension

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



19, 117, 250



0, 108, 255



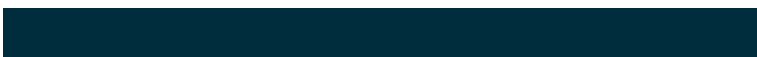
19, 65, 250



112, 118, 125



0, 80, 189



0, 26, 61

Inverse Universe

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



250, 19, 189



255, 0, 188



96, 250, 19



125, 112, 122



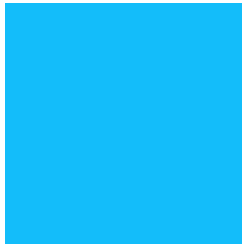
189, 0, 139



61, 0, 45

Previews

White Background



This preview shows how the RYB color 19, 117, 250 looks on a white background.

Color Contrast Check

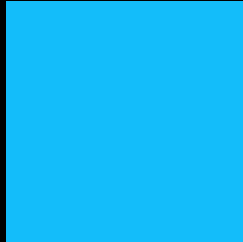
Large Text (above 18pt) WCAG AA × Fail

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, 117, 250 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

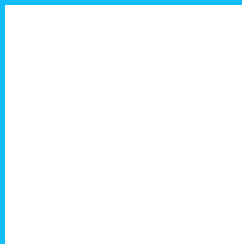
Any Text WCAG AAA ✓ Pass

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

RYB 19, 117, 250 Background



This preview shows how black text looks on a background with the RYB color 19, 117, 250.

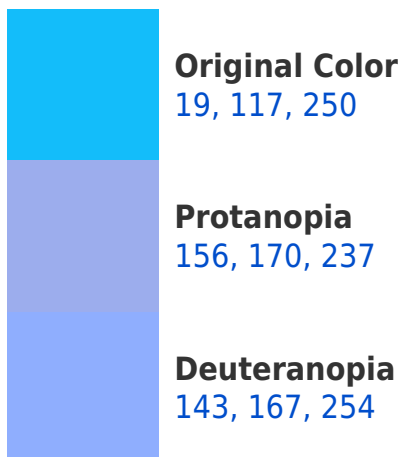


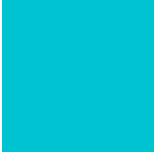
This preview shows how white text looks on a background with the RYB color 19, 117, 250.

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
0, 101, 209

Trichromacy



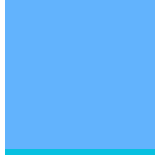
Original Color

19, 117, 250



Protanomaly

106, 154, 242



Deuteranomaly

98, 151, 253



Tritanomaly

7, 107, 224

Monochromacy



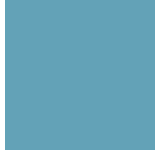
Original Color

19, 117, 250



Achromatopsia

145, 145, 145



Achromatomaly

99, 135, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 117, 250 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, 189, 250)` looks like.

```
.text, #text, p{  
    color:rgb(19, 189, 250)  
}
```

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, 189, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 189, 250) }
```

Border

The CSS property to change the border of an element to RYB 19, 117, 250 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, 189, 250) }
```

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

```
.border{ border-color:rgb(19, 189, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 189, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 189, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 189, 250);  
box-shadow:4px 4px 4px 4px rgb(19, 189,  
250) }
```

Background

The CSS property to change the background color of an element to RGB 19, 117, 250 is called "background".

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

```
.background, #background, body{  
background: rgb(19, 189, 250) }
```

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

```
.background{ background-color: rgb(19, 189,  
250) }
```

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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