

Converting Colors

`RYB(19, 117, 245)`

Have a look what the booklet for RYB(19, 117, 245) contains.

RYB(19, 117, 245)	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

R_YB(19, 117, 245)

Conversions

Conversions Part 1

Format	Color
Hex	13C0F5
RGB	19, 192, 245
RGB Percent	7%, 75%, 96%
CMY	0.9255, 0.2469, 0.0392
CMYK	0.92, 0.22, 0.00, 0.04
HSL	194°, 92%, 52%
HSV	194°, 92%, 96%
XYZ	35.6065, 44.4440, 93.0881
YIQ	146.3150, -120.1210, -20.1930

Conversions

Conversions Part 2

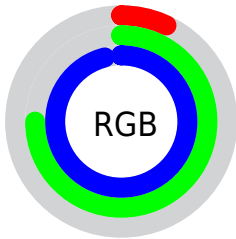
Format	Color
R _Y B	19, 117, 245
Decimal	1294581
CIE _{Lab}	72.52, -21.13, -37.19
CIE _{LCh}	73, 42.775, 240.398
Y _{xy}	44.4440, 0.2057, 0.2567
Android (android.graphics.Color)	4279484661 (0xFF13C0F5)
Y _{UV}	146.3150, 48.6517, -111.6553
Hunter-Lab	66.6663, -21.3293, -36.1219

Details

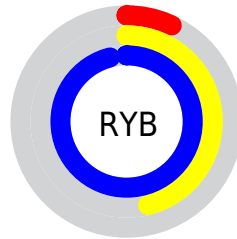
The RYB color **19, 117, 245** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **245, 88, 19**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **115, 183, 255**, and **0, 80, 189** is the 20% darker color. If you saturate the color by 10%, you get **0, 106, 245**, and if you desaturate by 10%, it is **44, 131, 245**.

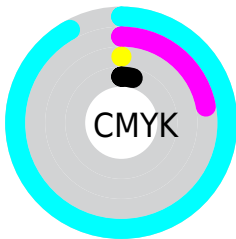
Distribution



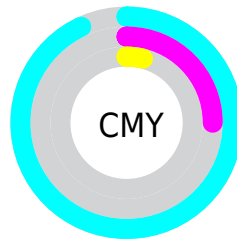
- Red (7%)
- Green (75%)
- Blue (96%)



- Red (7%)
- Yellow (46%)
- Blue (96%)



- Cyan (92%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)




















- Cyan (93%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 117, 245 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, 245 by changing the saturation by 10% instead.

 19, 117, 245	 19, 117, 245
 255, 255, 255	 0, 94, 216
 115, 183, 255	 0, 80, 189
 149, 202, 255	 0, 66, 161
 181, 218, 255	 0, 53, 135
 213, 234, 255	 0, 41, 109
 244, 250, 255	 0, 29, 85
	 0, 15, 61
	 0, 3, 39
	 0, 1, 16

■ 19, 117, 245

■ 19, 117, 245

■ 0, 106, 245

■ 44, 131, 245

■ 68, 145, 245

■ 93, 159, 245

■ 117, 173, 245

■ 142, 187, 245

■ 166, 200, 245

■ 191, 214, 245

■ 215, 228, 245

■ 240, 242, 245

Harmonies

Analogous

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



0, 103, 216



19, 117, 245



118, 162, 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, 245



250, 147, 179



109, 187, 134

Complementary

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



19, 117, 245



245, 88, 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.



134, 202, 99



19, 117, 245



252, 151, 140

Square

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



19, 117, 245



227, 154, 217



234, 198, 111



114, 176, 195

Rectangle

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



19, 117, 245



163, 171, 251



234, 198, 111



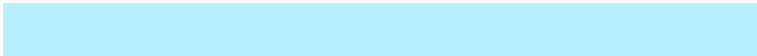
103, 184, 111

Sweetspot

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



19, 117, 245



184, 215, 255



19, 202, 245



84, 103, 128



0, 0, 0



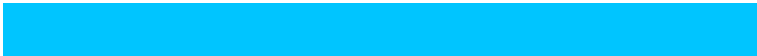
128, 128, 128

Same Dimension

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



19, 117, 245



0, 111, 255



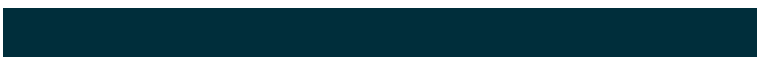
19, 66, 245



110, 115, 122



0, 81, 186



0, 26, 59

Inverse Universe

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



245, 19, 192



255, 0, 195



101, 245, 19



122, 110, 120



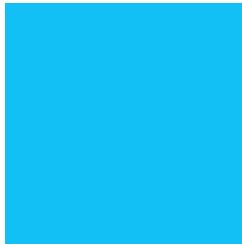
186, 0, 143



59, 0, 45

Previews

White Background



This preview shows how the RYB color 19, 117, 245 looks on a white background.

Color Contrast Check

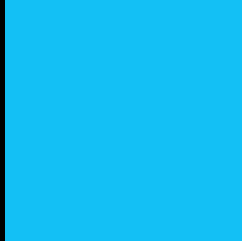
Large Text (above 18pt) WCAG AA × Fail

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, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

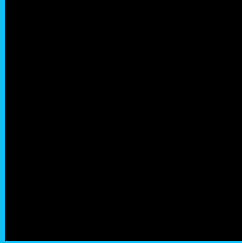
Any Text WCAG AA ✓ Pass

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, 245 Background



This preview shows how black text looks on a background with the RYB color 19, 117, 245.

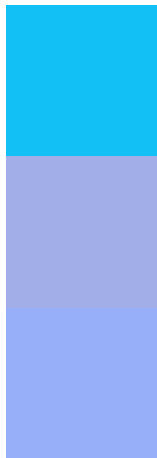


This preview shows how white text looks on a background with the RYB color 19, 117, 245.

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](#).

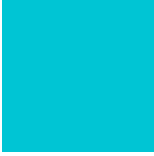
Dichromacy



Original Color
19, 117, 245

Protanopia
161, 172, 232

Deuteranopia
151, 170, 249



Tritanopia
0, 102, 212

Trichromacy



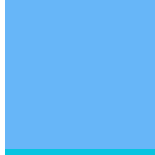
Original Color

19, 117, 245



Protanomaly

109, 155, 237



Deuteranomaly

103, 154, 248



Tritanomaly

7, 108, 224

Monochromacy



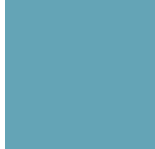
Original Color

19, 117, 245



Achromatopsia

146, 146, 146



Achromatomaly

100, 136, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 117, 245 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, 192, 245)` looks like.

```
.text, #text, p{  
    color:rgb(19, 192, 245)  
}
```

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, 192, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 192, 245) }
```

Border

The CSS property to change the border of an element to RYB 19, 117, 245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

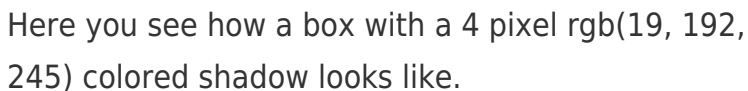
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(19, 192, 245) }
```

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

```
.border{ border-color:rgb(19, 192, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(19, 192, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 192, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 192, 245);  
box-shadow:4px 4px 4px 4px rgb(19, 192,  
245) }
```

Background

The CSS property to change the background color of an element to RGB 19, 117, 245 is called "background".

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

```
.background, #background, body{  
background: rgb(19, 192, 245) }
```

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

```
.background{ background-color: rgb(19, 192,  
245) }
```

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