

Converting Colors

`RYB(19, 97, 229)`

Have a look what the booklet for
RYB(19, 97, 229) contains.

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Color

R_YB(19, 97, 229)

Conversions

Conversions Part 1

Format	Color
Hex	138FE5
RGB	19, 143, 229
RGB Percent	7%, 56%, 90%
CMY	0.9255, 0.4389, 0.1020
CMYK	0.92, 0.38, 0.00, 0.10
HSL	205°, 85%, 49%
HSV	205°, 92%, 90%
XYZ	24.2475, 25.4678, 77.7665
YIQ	115.7280, -101.5100, 0.4580

Conversions

Conversions Part 2

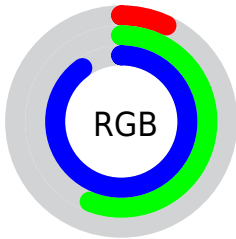
Format	Color
R _Y B	19, 97, 229
Decimal	1282021
CIE Lab	57.53, 0.18, -52.00
CIE LCh	58, 52.002, 270.198
Yxy	25.4678, 0.1902, 0.1998
Android (android.graphics.Color)	4279472101 (0xFF138FE5)
YUV	115.7280, 55.8431, -84.8305
Hunter-Lab	50.4657, -2.5499, -56.0387

Details

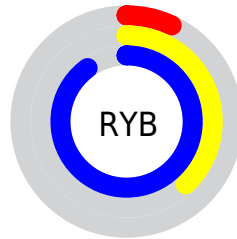
The RYB color **19, 97, 229** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **229, 165, 19**, and the grayscale version is **115, 115, 115**.

A 20% lighter version of the original color is **109, 164, 255**, and **0, 60, 173** is the 20% darker color. If you saturate the color by 10%, you get **0, 85, 229**, and if you desaturate by 10%, it is **42, 111, 229**.

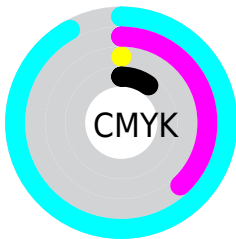
Distribution



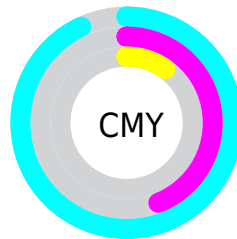
- Red (7%)
- Green (56%)
- Blue (90%)



- Red (7%)
- Yellow (38%)
- Blue (90%)



- Cyan (92%)
- Magenta (38%)
- Yellow (0%)
- Black (10%)




















- Cyan (93%)
- Magenta (44%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 97, 229 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, 97, 229 by changing the saturation by 10% instead.

 19, 97, 229	 19, 97, 229
 255, 255, 255	 0, 74, 201
 109, 164, 255	 0, 60, 173
 141, 189, 255	 0, 47, 146
 173, 213, 255	 0, 35, 120
 204, 230, 255	 0, 22, 94
 235, 245, 255	 0, 7, 70
	 0, 4, 47
	 0, 1, 25
	 0, 0, 0

■ 19, 97, 229

■ 19, 97, 229

■ 0, 85, 229

■ 42, 111, 229

■ 65, 126, 229

■ 88, 140, 229

■ 111, 155, 229

■ 134, 169, 229

■ 156, 183, 229

■ 179, 198, 229

■ 202, 212, 229

■ 225, 226, 229

Harmonies

Analogous

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



0, 90, 216



19, 97, 229



139, 126, 217

Triad

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



19, 97, 229



219, 104, 95



51, 128, 157

Complementary

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



19, 97, 229



229, 165, 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.



54, 149, 86



19, 97, 229



198, 165, 59

Square

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



19, 97, 229



219, 97, 140



73, 162, 40



0, 86, 160

Rectangle

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



19, 97, 229



179, 113, 197



73, 162, 40



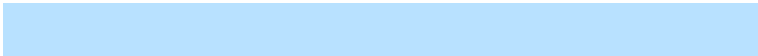
77, 155, 154

Sweetspot

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



19, 97, 229



184, 210, 255



19, 169, 229



84, 100, 128



0, 0, 0



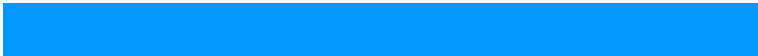
128, 128, 128

Same Dimension

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



19, 97, 229



0, 95, 255



19, 38, 229



103, 107, 115



0, 66, 179



0, 19, 51

Inverse Universe

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



229, 19, 143



255, 0, 151



42, 229, 19



115, 103, 110



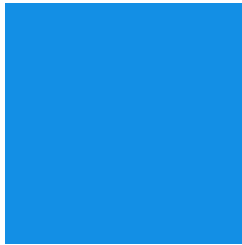
179, 0, 105



51, 0, 30

Previews

White Background



This preview shows how the RYB color 19, 97, 229 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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, 97, 229 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 × Fail

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

R Y B 19, 97, 229 Background



This preview shows how black text looks on a background with the R Y B color 19, 97, 229.

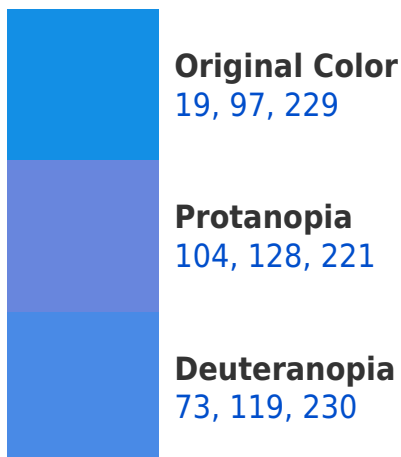


This preview shows how white text looks on a background with the R Y B color 19, 97, 229.

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



Trichromacy



Original Color
19, 97, 229

Protanomaly
73, 118, 224

Deuteranomaly
53, 111, 230

Monochromacy



Original Color
19, 97, 229

Achromatopsia
116, 116, 116

Achromatomaly
81, 109, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 97, 229 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, 143, 229)` looks like.

```
.text, #text, p{  
    color:rgb(19, 143, 229)  
}
```

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, 143, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 143, 229) }
```

Border

The CSS property to change the border of an element to RYB 19, 97, 229 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, 143, 229) }
```

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

```
.border{ border-color:rgb(19, 143, 229) }
```

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

Here you see how a box with a 4 pixel rgb(19, 143, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 143, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 143, 229);  
box-shadow:4px 4px 4px 4px rgb(19, 143,  
229) }
```

Background

The CSS property to change the background color of an element to RGB 19, 97, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 143, 229) }
```

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

```
.background{ background-color: rgb(19, 143,  
229) }
```

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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