

Converting Colors

`RYB(19, 135, 255)`

Have a look what the booklet for
RYB(19, 135, 255) contains.

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Color

R_YB(19, 135, 255)

Conversions

Conversions Part 1

Format	Color
Hex	13F7FF
RGB	19, 247, 255
RGB Percent	7%, 97%, 100%
CMY	0.9255, 0.0308, 0.0000
CMYK	0.93, 0.03, 0.00, 0.00
HSL	182°, 100%, 54%
HSV	182°, 93%, 100%
XYZ	51.6201, 73.9616, 106.1631
YIQ	179.7400, -138.4560, -45.8480

Conversions

Conversions Part 2

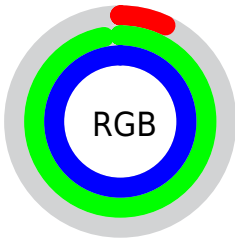
Format	Color
R_{YB}	19, 135, 255
Decimal	1308671
CIE Lab	88.90, -44.23, -17.45
CIE LCh	89, 47.551, 201.530
Yxy	73.9616, 0.2227, 0.3192
Android (android.graphics.Color)	4279498751 (0xFF13F7FF)
YUV	179.7400, 37.1032, -140.9690
Hunter-Lab	86.0009, -43.3610, -12.9894

Details

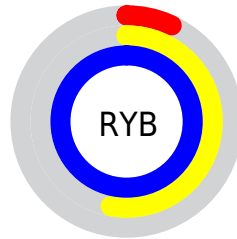
The RYB color **19, 135, 255** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **255, 27, 19**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **123, 189, 255**, and **0, 97, 198** is the 20% darker color. If you saturate the color by 10%, you get **0, 125, 255**, and if you desaturate by 10%, it is **45, 148, 255**.

Distribution



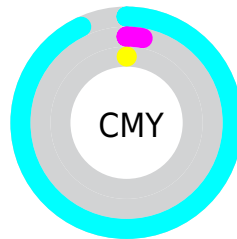
- Red (7%)
- Green (97%)
- Blue (100%)



- Red (7%)
- Yellow (53%)
- Blue (100%)



- Cyan (93%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



















- Cyan (93%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 19, 135, 255 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, 135, 255 by changing the saturation by 10% instead.

 19, 135, 255	 19, 135, 255
 255, 255, 255	 0, 111, 226
 123, 189, 255	 0, 97, 198
 158, 207, 255	 0, 83, 171
 192, 224, 255	 0, 70, 145
 224, 240, 255	 0, 57, 119
	 0, 44, 94
	 0, 33, 71
	 0, 21, 48
	 0, 1, 28

■ 19, 135, 255

■ 19, 135, 255

■ 0, 125, 255

■ 45, 148, 255

■ 70, 161, 255

■ 96, 174, 255

■ 121, 187, 255

■ 147, 200, 255

■ 172, 213, 255

■ 198, 226, 255

■ 223, 239, 255

■ 249, 252, 255

Harmonies

Analogous

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



106, 188, 247



19, 135, 255



37, 143, 255

Triad

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



19, 135, 255



255, 200, 255



190, 255, 133

Complementary

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



19, 135, 255



255, 27, 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.



255, 238, 154



19, 135, 255



255, 189, 238

Square

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



19, 135, 255



210, 215, 255



255, 189, 192



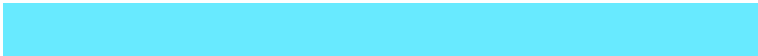
137, 231, 148

Rectangle

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



19, 135, 255



104, 174, 255



255, 189, 192



209, 255, 138

Sweetspot

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



19, 135, 255



184, 219, 255



19, 247, 255



84, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



19, 135, 255



0, 125, 255



19, 94, 255



115, 121, 128



0, 94, 191



0, 31, 64

Inverse Universe

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



255, 19, 247



255, 0, 247



225, 255, 19



128, 115, 127



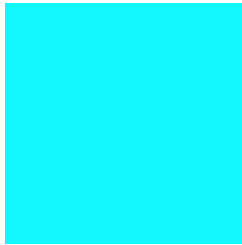
191, 0, 185



64, 0, 62

Previews

White Background



This preview shows how the RYB color 19, 135, 255 looks on a white background.

Color Contrast Check

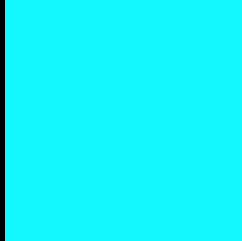
Large Text (above 18pt) WCAG AA × Fail

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, 135, 255 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](#).

RGB 19, 135, 255 Background



This preview shows how black text looks on a background with the RGB color 19, 135, 255.

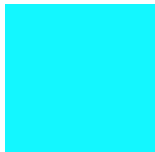


This preview shows how white text looks on a background with the RGB color 19, 135, 255.

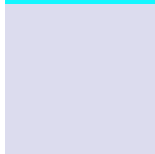
Color Blindness Simulation

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



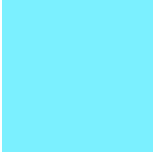
Original Color
19, 135, 255



Protanopia
220, 220, 238



Deuteranopia
223, 217, 255



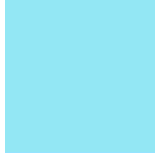
Tritanopia
123, 185, 255

Trichromacy



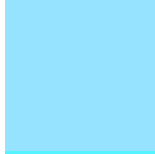
Original Color

19, 135, 255



Protanomaly

147, 192, 244



Deuteranomaly

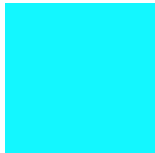
149, 194, 255



Tritanomaly

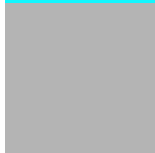
85, 167, 255

Monochromacy



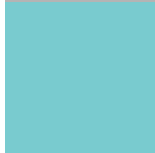
Original Color

19, 135, 255



Achromatopsia

180, 180, 180



Achromatomaly

121, 163, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 19, 135, 255 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(19, 247, 255)  
}
```

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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 247, 255) }
```

Border

The CSS property to change the border of an element to RYB 19, 135, 255 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, 247, 255) }
```

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

```
.border{ border-color:rgb(19, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(19, 247,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 19, 135, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 247, 255) }
```

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

```
.background{ background-color: rgb(19, 247,  
255) }
```

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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