

Converting Colors

`RYB(21, 134, 255)`

Have a look what the booklet for
RYB(21, 134, 255) contains.

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Color

`RYB(21, 134, 255)`

Conversions

Conversions Part 1

Format	Color
Hex	15F0FF
RGB	21, 240, 255
RGB Percent	8%, 94%, 100%
CMY	0.9176, 0.0607, 0.0000
CMYK	0.92, 0.06, 0.00, 0.00
HSL	184°, 100%, 54%
HSV	184°, 92%, 100%
XYZ	49.3808, 69.4226, 105.4050
YIQ	176.2290, -135.3390, -41.7630

Conversions

Conversions Part 2

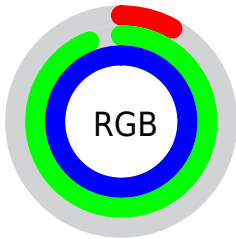
Format	Color
R _Y B	21, 134, 255
Decimal	1437951
CIE Lab	86.71, -40.77, -20.76
CIE LCh	87, 45.753, 206.979
Yxy	69.4226, 0.2202, 0.3096
Android (android.graphics.Color)	4279628031 (0xFF15F0FF)
YUV	176.2290, 38.8341, -136.1358
Hunter-Lab	83.3202, -40.0200, -16.6812

Details

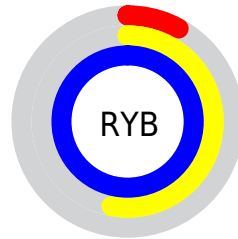
The RYB color **21, 134, 255** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **255, 37, 21**, and the grayscale version is **176, 176, 176**.

A 20% lighter version of the original color is **122, 189, 255**, and **0, 95, 198** is the 20% darker color. If you saturate the color by 10%, you get **0, 123, 255**, and if you desaturate by 10%, it is **47, 147, 255**.

Distribution



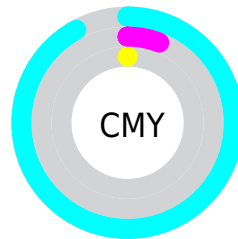
- Red (8%)
- Green (94%)
- Blue (100%)



- Red (8%)
- Yellow (53%)
- Blue (100%)



- Cyan (92%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



















- Cyan (92%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 134, 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 21, 134, 255 by changing the saturation by 10% instead.

 21, 134, 255	 21, 134, 255
 255, 255, 255	 0, 109, 226
 122, 189, 255	 0, 95, 198
 157, 206, 255	 0, 82, 171
 190, 223, 255	 0, 68, 144
 223, 239, 255	 0, 55, 119
	 0, 43, 94
	 0, 30, 70
	 0, 20, 48
	 0, 1, 27

■ 21, 134, 255

■ 21, 134, 255

■ 0, 123, 255

■ 47, 147, 255

■ 72, 160, 255

■ 98, 174, 255

■ 123, 187, 255

■ 148, 200, 255

■ 174, 213, 255

■ 200, 226, 255

■ 225, 239, 255

■ 251, 253, 255

Harmonies

Analogous

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



95, 176, 240



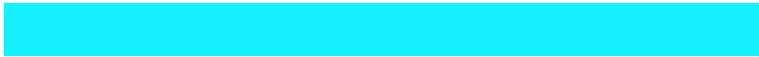
21, 134, 255



64, 154, 255

Triad

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



21, 134, 255



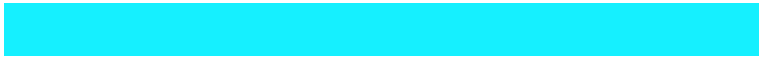
255, 192, 255



183, 250, 130

Complementary

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



21, 134, 255



255, 37, 21

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, 245, 146



21, 134, 255



255, 184, 223

Square

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



21, 134, 255



216, 207, 255



255, 187, 180



138, 226, 159

Rectangle

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



21, 134, 255



119, 179, 255



255, 187, 180



208, 255, 132

Sweetspot

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



21, 134, 255



184, 218, 255



21, 244, 255



84, 105, 128



0, 0, 0



128, 128, 128

Same Dimension

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



21, 134, 255



0, 123, 255



21, 93, 255



115, 121, 128



0, 92, 191



0, 31, 64

Inverse Universe

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



255, 21, 240



255, 0, 238



211, 255, 21



128, 115, 127



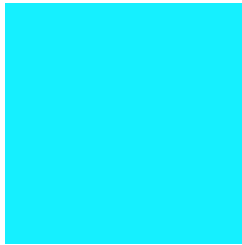
191, 0, 179



64, 0, 60

Previews

White Background



This preview shows how the RYB color 21, 134, 255 looks on a white background.

Color Contrast Check

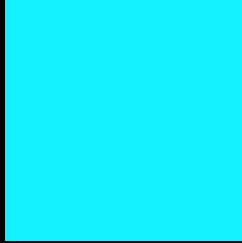
Large Text (above 18pt) WCAG AA × Fail

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 21, 134, 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

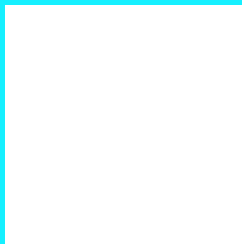
Any Text WCAG AAA ✓ Pass

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

RYB 21, 134, 255 Background



This preview shows how black text looks on a background with the RYB color 21, 134, 255.



This preview shows how white text looks on a background with the RYB color 21, 134, 255.

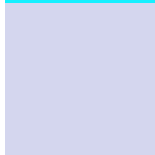
Color Blindness Simulation

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



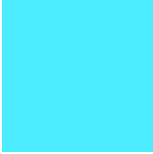
Original Color
21, 134, 255



Protanopia
212, 214, 238

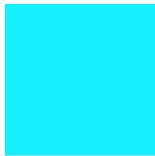


Deuteranopia
213, 211, 255



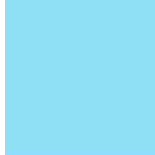
Tritanopia
75, 160, 255

Trichromacy



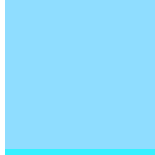
Original Color

21, 134, 255



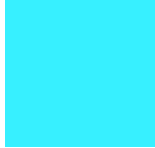
Protanomaly

143, 188, 244



Deuteranomaly

143, 189, 255



Tritanomaly

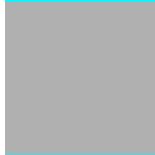
55, 151, 255

Monochromacy



Original Color

21, 134, 255



Achromatopsia

176, 176, 176



Achromatomaly

120, 161, 205

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 134, 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(21, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(21, 240, 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(21, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 240, 255) }
```

Border

The CSS property to change the border of an element to RYB 21, 134, 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(21, 240, 255) }
```

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

```
.border{ border-color:rgb(21, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(21, 240,  
255) }
```

Background

The CSS property to change the background color of an element to RGB 21, 134, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 240, 255) }
```

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

```
.background{ background-color: rgb(21, 240,  
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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