

Converting Colors

`RYB(21, 134, 245)`

Have a look what the booklet for
RYB(21, 134, 245) contains.

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Color

RYB(21, 134, 245)

Conversions

Conversions Part 1

Format	Color
Hex	15F5F1
RGB	21, 245, 241
RGB Percent	8%, 96%, 95%
CMY	0.9176, 0.0392, 0.0548
CMYK	0.91, 0.00, 0.02, 0.04
HSL	179°, 92%, 52%
HSV	179°, 91%, 96%
XYZ	48.8441, 71.8172, 94.5346
YIQ	177.5680, -132.2200, -48.7320

Conversions

Conversions Part 2

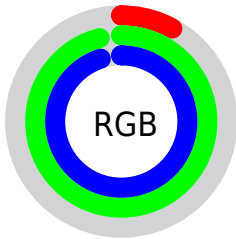
Format	Color
R _Y B	21, 134, 245
Decimal	1439217
CIE Lab	87.88, -47.27, -11.69
CIE LCh	88, 48.693, 193.895
Yxy	71.8172, 0.2270, 0.3337
Android (android.graphics.Color)	4279629297 (0xFF15F5F1)
YUV	177.5680, 31.2720, -137.3101
Hunter-Lab	84.7450, -45.4226, -6.8175

Details

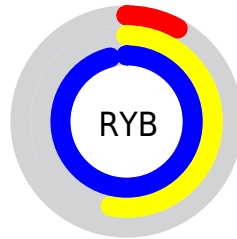
The RYB color **21, 134, 245** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **245, 21, 25**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **121, 188, 255**, and **0, 95, 188** is the 20% darker color. If you saturate the color by 10%, you get **0, 124, 245**, and if you desaturate by 10%, it is **46, 147, 245**.

Distribution



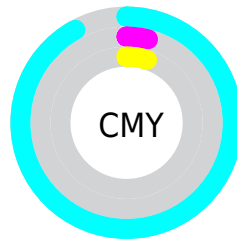
- Red (8%)
- Green (96%)
- Blue (95%)



- Red (8%)
- Yellow (53%)
- Blue (96%)



- Cyan (91%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




















- Cyan (92%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 21, 134, 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 21, 134, 245 by changing the saturation by 10% instead.

 21, 134, 245	 21, 134, 245
 255, 255, 255	 0, 109, 216
 121, 188, 255	 0, 95, 188
 156, 206, 255	 0, 81, 160
 189, 222, 255	 0, 67, 133
 222, 239, 255	 0, 54, 107
 254, 255, 255	 0, 41, 83
	 0, 29, 60
	 0, 18, 38
	 0, 1, 18

■ 21, 134, 245

■ 21, 134, 245

■ 0, 124, 245

■ 46, 147, 245

■ 70, 158, 245

■ 94, 170, 245

■ 119, 183, 245

■ 143, 195, 245

■ 168, 207, 245

■ 193, 219, 245

■ 217, 231, 245

■ 242, 244, 245

Harmonies

Analogous

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



117, 196, 243



21, 134, 245



0, 124, 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, 245



253, 200, 255



204, 255, 131

Complementary

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



21, 134, 245



245, 21, 25

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, 213, 158



21, 134, 245



255, 187, 247

Square

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



21, 134, 245



187, 208, 255



255, 184, 200



133, 229, 129

Rectangle

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



21, 134, 245



66, 155, 255



255, 184, 200



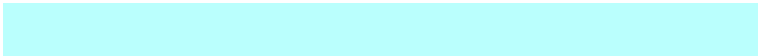
232, 255, 138

Sweetspot

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



21, 134, 245



186, 221, 255



21, 245, 238



87, 108, 128



0, 0, 0



128, 128, 128

Same Dimension

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



21, 134, 245



0, 129, 255



21, 99, 245



110, 116, 122



0, 94, 186



0, 30, 59

Inverse Universe

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



245, 21, 25



255, 0, 5



245, 219, 21



122, 110, 110



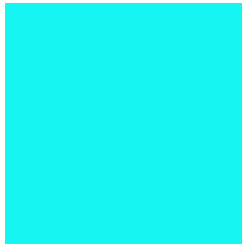
186, 0, 3



59, 0, 1

Previews

White Background



This preview shows how the RYB color 21, 134, 245 looks on a white background.

Color Contrast Check

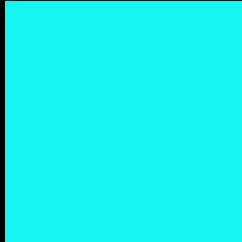
Large Text (above 18pt) WCAG AA × Fail

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 21, 134, 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 21, 134, 245 Background



This preview shows how black text looks on a background with the RYB color 21, 134, 245.

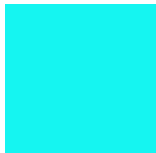


This preview shows how white text looks on a background with the RYB color 21, 134, 245.

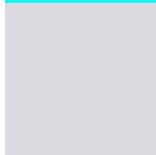
Color Blindness Simulation

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](#).

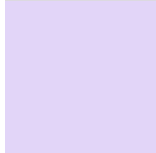
Dichromacy



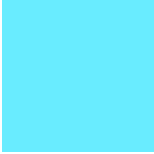
Original Color
21, 134, 245



Protanopia
220, 217, 224

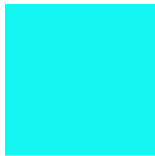


Deuteranopia
226, 213, 248



Tritanopia
105, 175, 255

Trichromacy



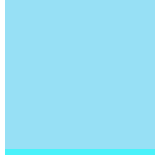
Original Color

21, 134, 245



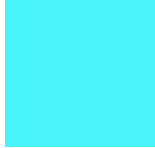
Protanomaly

148, 188, 230



Deuteranomaly

151, 192, 245



Tritanomaly

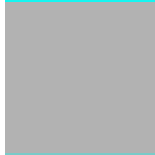
74, 160, 250

Monochromacy



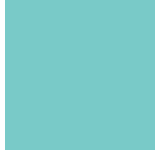
Original Color

21, 134, 245



Achromatopsia

178, 178, 178



Achromatomaly

121, 162, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 21, 134, 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(21, 245, 241)` looks like.

```
.text, #text, p{  
    color:rgb(21, 245, 241)  
}
```

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, 245, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 245, 241) }
```

Border

The CSS property to change the border of an element to RYB 21, 134, 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(21, 245, 241) }
```

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

```
.border{ border-color:rgb(21, 245, 241) }
```

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

Here you see how a box with a 4 pixel rgb(21, 245, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 245, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 245, 241);  
box-shadow:4px 4px 4px 4px rgb(21, 245,  
241) }
```

Background

The CSS property to change the background color of an element to RYB 21, 134, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 245, 241) }
```

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

```
.background{ background-color: rgb(21, 245,  
241) }
```

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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