

Converting Colors

`RYB(13, 131, 249)`

Have a look what the booklet for RYB(13, 131, 249) contains.

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Color

R_YB(13, 131, 249)

Conversions

Conversions Part 1

Format	Color
Hex	0DF9F9
RGB	13, 249, 249
RGB Percent	5%, 98%, 98%
CMY	0.9490, 0.0235, 0.0235
CMYK	0.95, 0.00, 0.00, 0.02
HSL	180°, 95%, 51%
HSV	180°, 95%, 98%
XYZ	51.1405, 74.6765, 101.3411
YIQ	178.4360, -140.6560, -50.0320

Conversions

Conversions Part 2

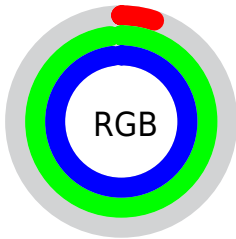
Format	Color
R _{YB}	13, 131, 249
Decimal	915961
CIE Lab	89.24, -46.95, -13.82
CIE LCh	89, 48.945, 196.402
Yxy	74.6765, 0.2251, 0.3287
Android (android.graphics.Color)	4279106041 (0xFF0DF9F9)
YUV	178.4360, 34.7881, -145.0874
Hunter-Lab	86.4156, -45.5913, -9.0396

Details

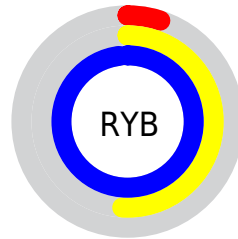
The RYB color **13, 131, 249** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **249, 13, 13**, and the grayscale version is **178, 178, 178**.

A 20% lighter version of the original color is **121, 188, 255**, and **0, 96, 193** is the 20% darker color. If you saturate the color by 10%, you get **0, 125, 249**, and if you desaturate by 10%, it is **38, 144, 249**.

Distribution



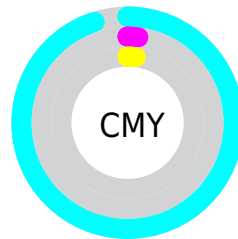
- Red (5%)
- Green (98%)
- Blue (98%)



- Red (5%)
- Yellow (51%)
- Blue (98%)



- Cyan (95%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



















- Cyan (95%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 13, 131, 249 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 13, 131, 249 by changing the saturation by 10% instead.

 13, 131, 249	 13, 131, 249
 255, 255, 255	 0, 110, 220
 121, 188, 255	 0, 96, 193
 157, 206, 255	 0, 82, 166
 190, 223, 255	 0, 69, 139
 223, 239, 255	 0, 56, 114
	 0, 43, 89
	 0, 32, 66
	 0, 21, 44
	 0, 1, 24

■ 13, 131, 249

■ 13, 131, 249

■ 0, 125, 249

■ 38, 144, 249

■ 63, 156, 249

■ 88, 169, 249

■ 113, 181, 249

■ 138, 194, 249

■ 162, 206, 249

■ 187, 218, 249

■ 212, 231, 249

■ 237, 243, 249

Harmonies

Analogous

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



114, 195, 248



13, 131, 249



0, 125, 255

Triad

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



13, 131, 249



255, 203, 255



195, 255, 133

Complementary

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



13, 131, 249



249, 13, 13

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, 225, 159



13, 131, 249



255, 190, 248

Square

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



13, 131, 249



197, 213, 255



255, 188, 200



133, 230, 134

Rectangle

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



13, 131, 249



80, 163, 255



255, 188, 200



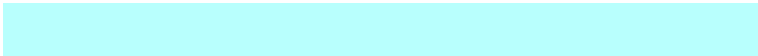
215, 255, 139

Sweetspot

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



13, 131, 249



184, 220, 255



13, 249, 249



84, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



13, 131, 249



0, 128, 255



13, 92, 249



112, 119, 125



0, 95, 189



0, 31, 61

Inverse Universe

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



249, 13, 249



255, 0, 255



249, 249, 13



125, 112, 125



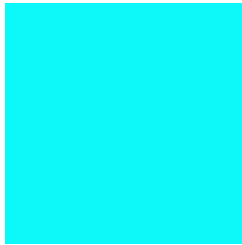
189, 0, 189



61, 0, 61

Previews

White Background



This preview shows how the RYB color 13, 131, 249 looks on a white background.

Color Contrast Check

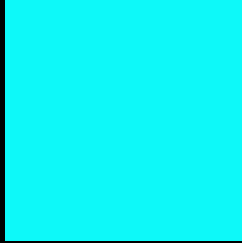
Large Text (above 18pt) WCAG AA × Fail

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 13, 131, 249 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

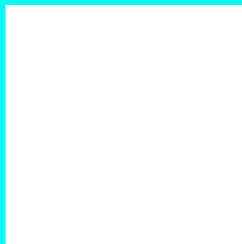
Any Text WCAG AAA ✓ Pass

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

RGB 13, 131, 249 Background



This preview shows how black text looks on a background with the RGB color 13, 131, 249.

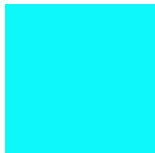


This preview shows how white text looks on a background with the RGB color 13, 131, 249.

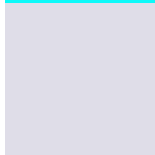
Color Blindness Simulation

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



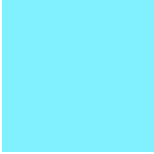
Original Color
13, 131, 249



Protanopia
223, 221, 232

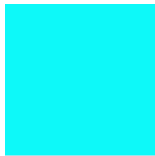


Deuteranopia
227, 217, 255



Tritanopia
129, 188, 255

Trichromacy



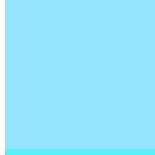
Original Color

13, 131, 249



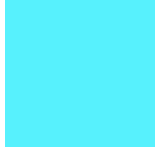
Protanomaly

147, 191, 238



Deuteranomaly

149, 194, 253



Tritanomaly

87, 167, 253

Monochromacy



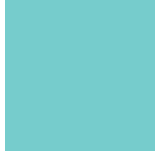
Original Color

13, 131, 249



Achromatopsia

178, 178, 178



Achromatomaly

118, 161, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 13, 131, 249 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(13, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(13, 249, 249)  
}
```

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(13, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 249, 249) }
```

Border

The CSS property to change the border of an element to RYB 13, 131, 249 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(13, 249, 249) }
```

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

```
.border{ border-color:rgb(13, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(13, 249,  
249) }
```

Background

The CSS property to change the background color of an element to RGB 13, 131, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 249, 249) }
```

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

```
.background{ background-color: rgb(13, 249,  
249) }
```

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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