

Converting Colors

`RYB(13, 121, 252)`

Have a look what the booklet for RYB(13, 121, 252) contains.

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Color

R_YB(13, 121, 252)

Conversions

Conversions Part 1

Format	Color
Hex	0DD2FC
RGB	13, 210, 252
RGB Percent	5%, 82%, 99%
CMY	0.9490, 0.1763, 0.0118
CMYK	0.95, 0.17, 0.00, 0.01
HSL	191°, 98%, 52%
HSV	191°, 95%, 99%
XYZ	40.7927, 53.2259, 100.2191
YIQ	155.8850, -130.8940, -28.7020

Conversions

Conversions Part 2

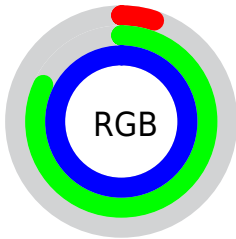
Format	Color
R _Y B	13, 121, 252
Decimal	905980
CIE Lab	78.01, -28.05, -32.46
CIE LCh	78, 42.907, 229.168
Yxy	53.2259, 0.2100, 0.2740
Android (android.graphics.Color)	4279096060 (0xFF0DD2FC)
YUV	155.8850, 47.3847, -125.3101
Hunter-Lab	72.9561, -27.8666, -30.3769

Details

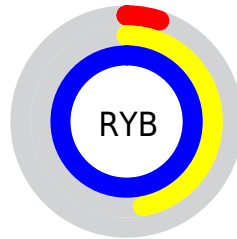
The RYB color **13, 121, 252** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **252, 64, 13**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **117, 186, 255**, and **0, 86, 195** is the 20% darker color. If you saturate the color by 10%, you get **0, 114, 252**, and if you desaturate by 10%, it is **38, 135, 252**.

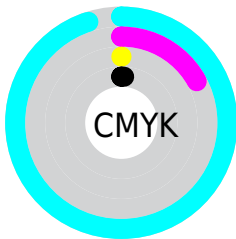
Distribution



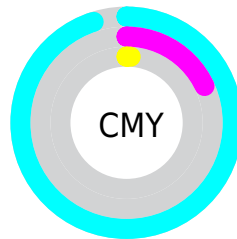
- Red (5%)
- Green (82%)
- Blue (99%)



- Red (5%)
- Yellow (47%)
- Blue (99%)



- Cyan (95%)
- Magenta (17%)
- Yellow (0%)
- Black (1%)




















- Cyan (95%)
- Magenta (18%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 13, 121, 252 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, 121, 252 by changing the saturation by 10% instead.

 13, 121, 252	 13, 121, 252
 255, 255, 255	 0, 100, 223
 117, 186, 255	 0, 86, 195
 151, 203, 255	 0, 73, 168
 184, 220, 255	 0, 60, 141
 216, 236, 255	 0, 47, 116
 248, 252, 255	 0, 35, 91
	 0, 23, 67
	 0, 3, 45
	 0, 1, 23

■ 13, 121, 252

■ 13, 121, 252

■ 0, 114, 252

■ 38, 135, 252

■ 63, 148, 252

■ 89, 163, 252

■ 114, 176, 252

■ 139, 190, 252

■ 164, 204, 252

■ 189, 217, 252

■ 215, 232, 252

■ 240, 245, 252

Harmonies

Analogous

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



17, 116, 218



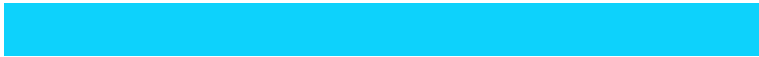
13, 121, 252



107, 164, 255

Triad

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



13, 121, 252



255, 163, 209



116, 198, 121

Complementary

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



13, 121, 252



252, 64, 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.



189, 232, 114



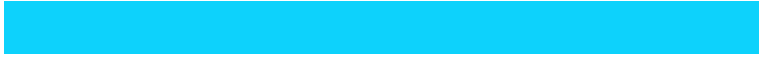
13, 121, 252



255, 163, 169

Square

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



13, 121, 252



229, 173, 245



255, 189, 134



139, 208, 199

Rectangle

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



13, 121, 252



155, 183, 255



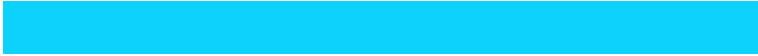
255, 189, 134



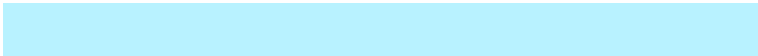
128, 207, 113

Sweetspot

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



13, 121, 252



184, 216, 255



13, 218, 252



84, 104, 128



0, 0, 0



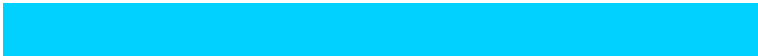
128, 128, 128

Same Dimension

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



13, 121, 252



0, 115, 255



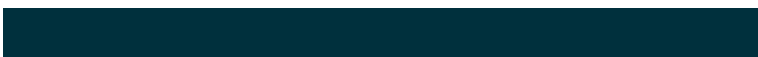
13, 73, 252



112, 118, 125



0, 85, 189



0, 27, 61

Inverse Universe

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



252, 13, 210



255, 0, 210



133, 252, 13



125, 112, 123



189, 0, 156



61, 0, 50

Previews

White Background



This preview shows how the RYB color 13, 121, 252 looks on a white background.

Color Contrast Check

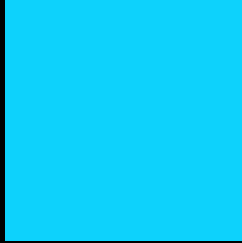
Large Text (above 18pt) WCAG AA × Fail

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, 121, 252 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 13, 121, 252 Background



This preview shows how black text looks on a background with the RYB color 13, 121, 252.

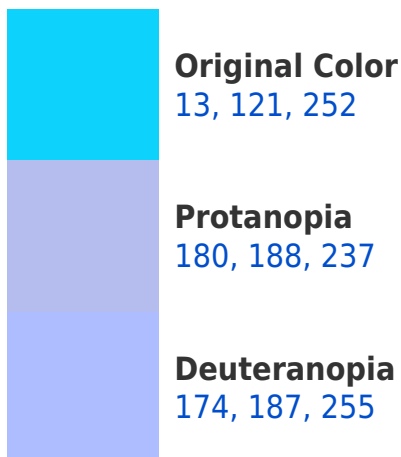


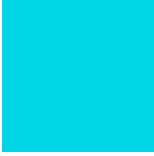
This preview shows how white text looks on a background with the RYB color 13, 121, 252.

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





Tritanopia
0, 111, 230

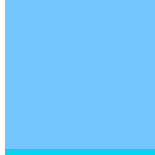
Trichromacy



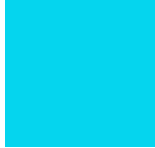
Original Color
13, 121, 252



Protanomaly
119, 167, 242



Deuteranomaly
115, 167, 254



Tritanomaly
5, 115, 238

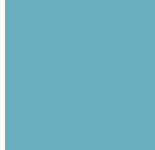
Monochromacy



Original Color
13, 121, 252



Achromatopsia
156, 156, 156



Achromatomaly
104, 143, 191

CSS Examples

Text

The CSS property to change the color of the text to RYB 13, 121, 252 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, 210, 252)` looks like.

```
.text, #text, p{  
    color:rgb(13, 210, 252)  
}
```

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, 210, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 210, 252) }
```

Border

The CSS property to change the border of an element to RYB 13, 121, 252 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, 210, 252) }
```

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

```
.border{ border-color:rgb(13, 210, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 210, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 210, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 210, 252);  
box-shadow:4px 4px 4px 4px rgb(13, 210,  
252) }
```

Background

The CSS property to change the background color of an element to RGB 13, 210, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 210, 252) }
```

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

```
.background{ background-color: rgb(13, 210,  
252) }
```

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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