

Converting Colors

RGB(12, 212, 240)

Have a look what the booklet for
RGB(12, 212, 240) contains.

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Color

RGB(12, 212, 240)

Conversions

Conversions Part 1

Format	Color
Hex	0CD4F0
RGB	12, 212, 240
RGB Percent	5%, 83%, 94%
CMY	0.9529, 0.1686, 0.0588
CMYK	0.95, 0.12, 0.00, 0.06
HSL	187°, 90%, 49%
HSV	187°, 95%, 94%
XYZ	39.4233, 53.4564, 90.6784
YIQ	155.3920, -128.1880, -33.6920

Conversions

Conversions Part 2

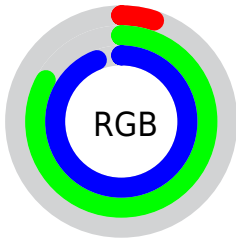
Format	Color
RYB	12, 119, 240
Decimal	840944
CIELab	78.14, -32.91, -25.85
CIELCh	78, 41.846, 218.152
Yxy	53.4564, 0.2148, 0.2912
Android (android.graphics.Color)	4279031024 (0xFF0CD4F0)
YUV	155.3920, 41.7117, -125.7548
Hunter-Lab	73.1139, -31.7014, -22.3538

Details

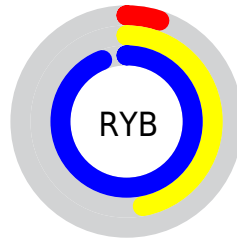
The RGB color **12, 212, 240** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **240, 40, 12**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **115, 255, 255**, and **0, 157, 184** is the 20% darker color. If you saturate the color by 10%, you get **0, 211, 240**, and if you desaturate by 10%, it is **36, 215, 240**.

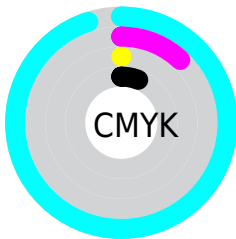
Distribution



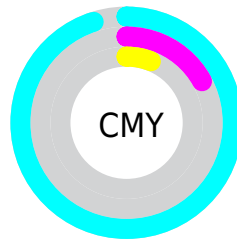
- Red (5%)
- Green (83%)
- Blue (94%)



- Red (5%)
- Yellow (47%)
- Blue (94%)



- Cyan (95%)
- Magenta (12%)
- Yellow (0%)
- Black (6%)




















- Cyan (95%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the RGB color 12, 212, 240 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 RGB color 12, 212, 240 by changing the saturation by 10% instead.

 12, 212, 240	 12, 212, 240
 255, 255, 255	 0, 184, 212
 115, 255, 255	 0, 157, 184
 149, 255, 255	 0, 130, 157
 181, 255, 255	 0, 105, 131
 213, 255, 255	 0, 80, 106
 245, 255, 255	 0, 57, 81
	 0, 37, 58
	 0, 2, 37
	 0, 1, 13

■ 12, 212, 240

■ 12, 212, 240

■ 0, 211, 240

■ 36, 215, 240

■ 60, 218, 240

■ 84, 221, 240

■ 108, 224, 240

■ 132, 227, 240

■ 156, 230, 240

■ 180, 233, 240

■ 204, 236, 240

■ 228, 239, 240

Harmonies

Analogous

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



61, 214, 203



12, 212, 240



85, 205, 255

Triad

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



12, 212, 240



251, 167, 223



208, 194, 115

Complementary

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



12, 212, 240



240, 40, 12

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.



243, 181, 122



12, 212, 240



255, 163, 184

Square

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



12, 212, 240



212, 179, 254



255, 169, 147



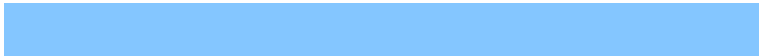
166, 205, 131

Rectangle

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



12, 212, 240



132, 198, 255



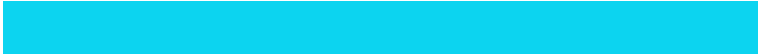
255, 169, 147



221, 190, 115

Sweetspot

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



12, 212, 240



181, 246, 255



12, 240, 39



83, 122, 128



0, 0, 0



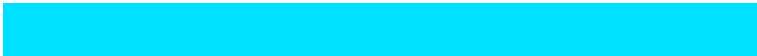
128, 128, 128

Same Dimension

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



12, 212, 240



0, 224, 255



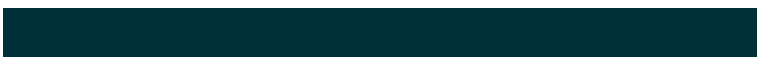
12, 99, 240



108, 118, 120



0, 161, 184



0, 49, 56

Inverse Universe

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



240, 12, 212



255, 0, 224



240, 153, 12



120, 108, 118



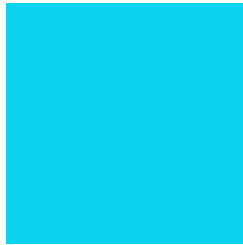
184, 0, 161



56, 0, 49

Previews

White Background



This preview shows how the RGB color 12, 212, 240 looks on a white background.

Color Contrast Check

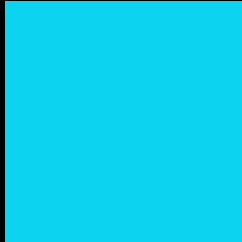
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RGB color 12, 212, 240 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 12, 212, 240 Background



This preview shows how black text looks on a background with the RGB color 12, 212, 240.

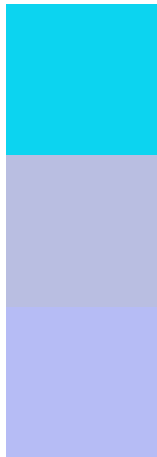


This preview shows how white text looks on a background with the RGB color 12, 212, 240.

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](#).

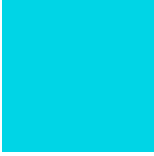
Dichromacy



Original Color
12, 212, 240

Protanopia
185, 190, 225

Deuteranopia
182, 188, 245



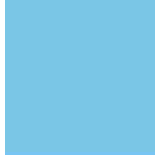
Tritanopia
0, 213, 230

Trichromacy



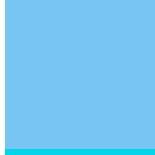
Original Color

12, 212, 240



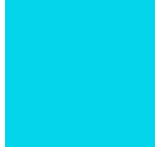
Protanomaly

122, 198, 230



Deuteranomaly

120, 197, 243



Tritanomaly

4, 213, 234

Monochromacy



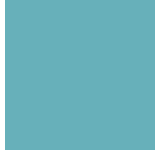
Original Color

12, 212, 240



Achromatopsia

155, 155, 155



Achromatomaly

103, 176, 186

CSS Examples

Text

The CSS property to change the color of the text to RGB 12, 212, 240 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(12, 212, 240)` looks like.

```
.text, #text, p{  
    color:rgb(12, 212, 240)  
}
```

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(12, 212, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 212, 240) }
```

Border

The CSS property to change the border of an element to RGB 12, 212, 240 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(12, 212, 240) }
```

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

```
.border{ border-color:rgb(12, 212, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 212, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 212, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 212, 240);  
box-shadow:4px 4px 4px 4px rgb(12, 212,  
240) }
```

Background

The CSS property to change the background color of an element to RGB 12, 212, 240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 212, 240) }
```

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

```
.background{ background-color: rgb(12, 212,  
240) }
```

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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