

# Converting Colors

Hex(12D8FF)

Have a look what the booklet for  
Hex(12D8FF) contains.

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# **Color**

**Hex(12D8FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12D8FF
RGB	18, 216, 255
RGB Percent	7%, 85%, 100%
CMY	0.9294, 0.1529, 0.0000
CMYK	0.93, 0.15, 0.00, 0.00
HSL	190°, 100%, 54%
HSV	190°, 93%, 100%
XYZ	42.8553, 56.4603, 103.2470
YIQ	161.2440, -130.5270, -29.8470

# Conversions

## Conversions Part 2

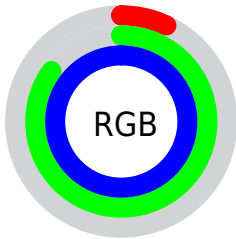
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	18, 126, 255
Decimal	1235199
CIE Lab	79.88, -29.85, -31.19
CIE LCh	80, 43.168, 226.255
Yxy	56.4603, 0.2116, 0.2787
Android (android.graphics.Color)	4279425279 (0xFF12D8FF)
YUV	161.2440, 46.2217, -125.6250
Hunter-Lab	75.1401, -29.6897, -28.8699

# Details

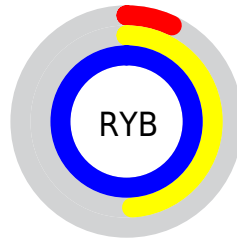
The Hex color **12D8FF** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **FF3912**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **77FFFF**, and **00A1C6** is the 20% darker color. If you saturate the color by 10%, you get **00D5FF**, and if you desaturate by 10%, it is **2CDCFF**.

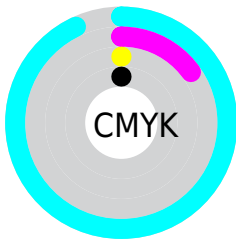
# Distribution



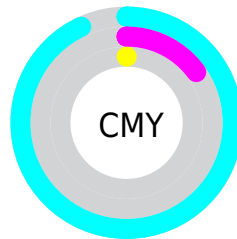
- Red (7%)
- Green (85%)
- Blue (100%)



- Red (7%)
- Yellow (49%)
- Blue (100%)



- Cyan (93%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12D8FF 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 Hex color 12D8FF by changing the saturation by 10% instead.



 12D8FF

 12D8FF

FFFFFF

 00BCE2

 77FFFF

 00A1C6

 99FFFF

 0086AB

 BAFFFF

 006D90


 DAFFFF

 005476

 FAFFFF

 003C5D

 002746

 00042F

 00011A

 12D8FF

 12D8FF

 00D5FF

 2CDCFF

 45E0FF

 5FE5FF

 78E9FF

 92EDFF

 ABF1FF

 C5F5FF

 DEFAFF

 F8FEFF

# Harmonies

## Analogous

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



27DBDB



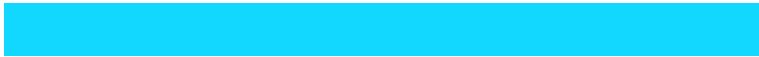
12D8FF



69CFFF

# Triad

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



12D8FF



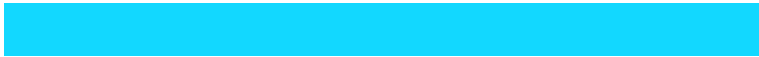
FFA9DA



CBCB77

# Complementary

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



12D8FF



FF3912

# 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.



F1BD78



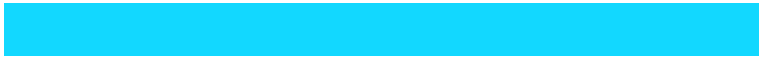
12D8FF



FFA7B1

# Square

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



12D8FF



E6B4FE



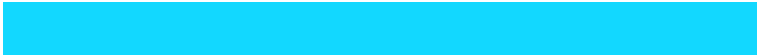
FFB08E



9DD58D

# Rectangle

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



12D8FF



99C7FF



FFB08E

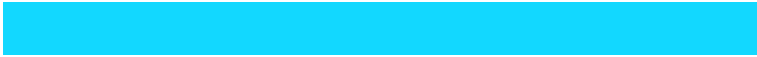


D8C675

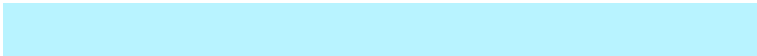


# Sweetspot

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



12D8FF



B8F3FF



12FF36



547880



000000

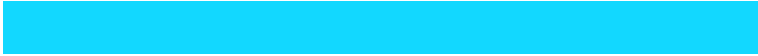


808080



# Same Dimension

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



12D8FF



00D5FF



1265FF



737D80



00A0BF



003540



# Inverse Universe

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



FF12D8



FF00D5



FFAC12



80737D



BF00A0

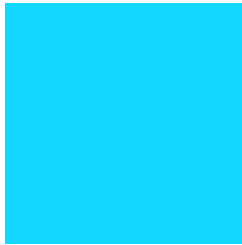


400035



# Previews

## White Background



This preview shows how the Hex color 12D8FF looks on a white background.

## Color Contrast Check

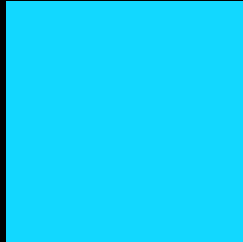
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 12D8FF 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](#).



## Hex 12D8FF Background



This preview shows how black text looks on a background with the Hex color 12D8FF.



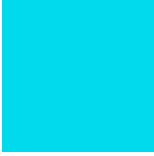
This preview shows how white text looks on a background with the Hex color 12D8FF.

# 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





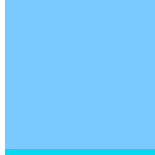
# Trichromacy



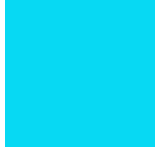
**Original Color**  
12D8FF



**Protanomaly**  
7DCAF5



**Deuteranomaly**  
7ACAFF



**Tritanomaly**  
07D9F3

# Monochromacy



**Original Color**  
12D8FF



**Achromatopsia**  
A1A1A1



**Achromatomaly**  
6DB5C3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12D8FF 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 #12D8FF looks like.

```
.text, #text, p{  
  color:#12D8FF  
}
```

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 #12D8FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12D8FF
}
```

## Border

The CSS property to change the border of an element to Hex 12D8FF 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
#12D8FF }
```

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

```
.border{ border-color:#12D8FF }
```

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

Here you see how a box with a 4 pixel #12D8FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12D8FF; -webkit-box-shadow:4px 4px  
4px 4px #12D8FF; box-shadow:4px 4px 4px  
4px #12D8FF }
```

# Background

The CSS property to change the background color of an element to Hex 12D8FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12D8FF }
```

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

```
.background{ background-color:#12D8FF }
```

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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