

# Converting Colors

Hex(1D12FF)

Have a look what the booklet for  
Hex(1D12FF) contains.

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# Color

Hex(1D12FF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1D12FF
RGB	29, 18, 255
RGB Percent	11%, 7%, 100%
CMY	0.8863, 0.9294, 0.0000
CMYK	0.89, 0.93, 0.00, 0.00
HSL	243°, 100%, 54%
HSV	243°, 93%, 100%
XYZ	18.7730, 7.9138, 95.1458
YIQ	48.3070, -69.5210, 76.0390

# Conversions

## Conversions Part 2

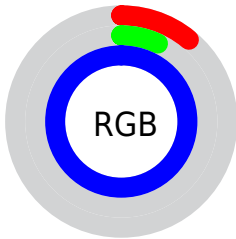
Format	Color
R <sub>Y</sub> B	29, 18, 255
Decimal	1905407
CIE Lab	33.80, 76.52, -105.34
CIE LCh	34, 130.199, 305.994
Yxy	7.9138, 0.1541, 0.0650
Android (android.graphics.Color)	4280095487 (0xFF1D12FF)
YUV	48.3070, 101.8996, -16.9322
Hunter-Lab	28.1315, 69.8882, -180.8373

# Details

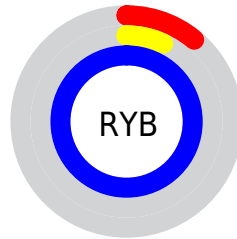
The Hex color **1D12FF** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **F4FF12**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **7E4FFF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **0C00FF**, and if you desaturate by 10%, it is **352CFF**.

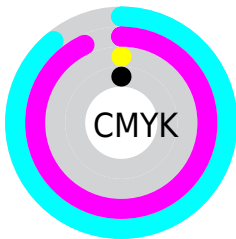
# Distribution



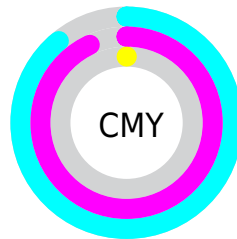
- Red (11%)
- Green (7%)
- Blue (100%)



- Red (11%)
- Yellow (7%)
- Blue (100%)



- Cyan (89%)
- Magenta (93%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (93%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1D12FF 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 1D12FF by changing the saturation by 10% instead.



 1D12FF

 1D12FF

FFFFFF

 0000E1

 7E4FFF

 0000C4

 A16AFF

 0000A8

 C385FF

 00008C


 E4A1FF

 000F71

 FFBDFD

 000C58

 FFDAFF

 00073F

 FFF7FF

 000329

 000112

 1D12FF

 1D12FF

 0C00FF

 352CFF

 4E45FF

 665FFF

 7E78FF

 9792FF

 AFABFF

 C7C5FF

 E0DEFF

 F8F8FF

# Harmonies

## Analogous

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



0060FF



1D12FF



CD00A7

# Triad

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



1D12FF



A01400



006C63

# Complementary

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



1D12FF



F4FF12

# 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.



006900



1D12FF



4F5400

# Square

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



1D12FF



D80000



006500



0070CB

# Rectangle

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



1D12FF



EB0063



006500



006B3F



# Sweetspot

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



1D12FF



BBB8FF



12F7FF



565480



000000



808080



# Same Dimension

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



1D12FF



0C00FF



9012FF



737380



0900BF



030040



# Inverse Universe

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



FF12F4



FF00F3



81FF12



80737F



BF00B6

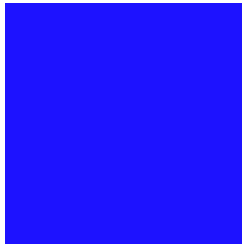


40003D



# Previews

## White Background



This preview shows how the Hex color 1D12FF looks on a white background.

## Color Contrast Check

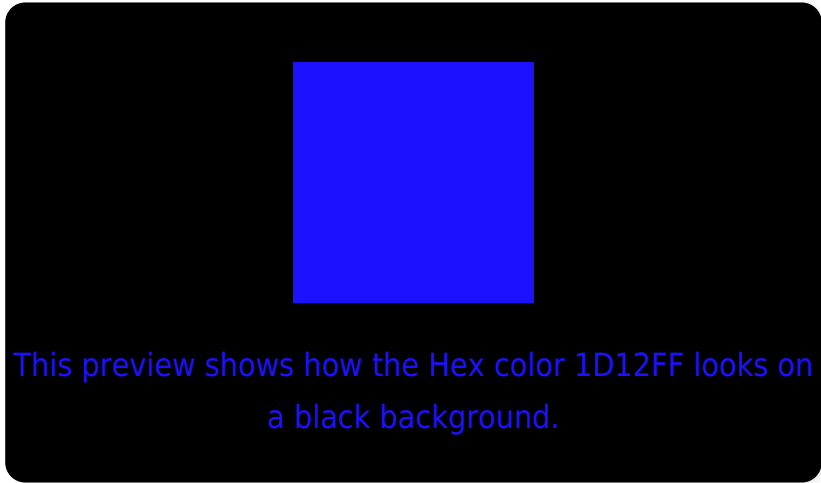
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

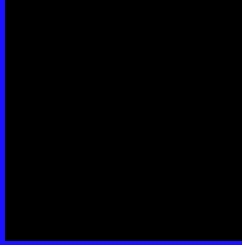
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1D12FF Background



This preview shows how black text looks on a background with the Hex color 1D12FF.



This preview shows how white text looks on a background with the Hex color 1D12FF.

# 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**  
1D12FF

**Protanopia**  
004CA0

**Deuteranopia**  
005288



**Tritanopia**  
00585C

# Trichromacy



**Original Color**  
1D12FF

**Protanomaly**  
0B37C3

**Deuteranomaly**  
0B3BB3

**Tritanomaly**  
0B3F97

# Monochromacy



**Original Color**  
1D12FF

**Achromatopsia**  
303030

**Achromatomaly**  
29257B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1D12FF 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 #1D12FF looks like.

```
.text, #text, p{  
    color:#1D12FF  
}
```

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 #1D12FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1D12FF
}
```

## Border

The CSS property to change the border of an element to Hex 1D12FF is called "border". The border property can be set on classes, ids or directly on the HTML element.

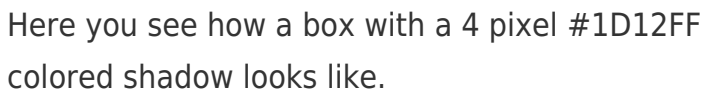
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1D12FF }
```

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

```
.border{ border-color:#1D12FF }
```

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



Here you see how a box with a 4 pixel #1D12FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1D12FF; -webkit-box-shadow:4px 4px  
4px 4px #1D12FF; box-shadow:4px 4px 4px  
4px #1D12FF }
```

# Background

The CSS property to change the background color of an element to Hex 1D12FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1D12FF }
```

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

```
.background{ background-color:#1D12FF }
```

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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