

Converting Colors

Hex(212BFF)

Have a look what the booklet for
Hex(212BFF) contains.

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Color

Hex(212BFF)

Conversions

Conversions Part 1

Format	Color
Hex	212BFF
RGB	33, 43, 255
RGB Percent	13%, 17%, 100%
CMY	0.8706, 0.8314, 0.0000
CMYK	0.87, 0.83, 0.00, 0.00
HSL	237°, 100%, 56%
HSV	237°, 87%, 100%
XYZ	19.5411, 9.2711, 95.3673
YIQ	64.1780, -74.0120, 63.8120

Conversions

Conversions Part 2

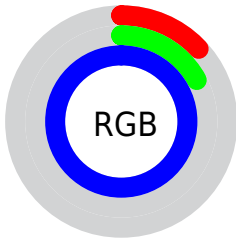
Format	Color
R _Y B	33, 43, 255
Decimal	2173951
CIE Lab	36.50, 68.81, -100.84
CIE LCh	37, 122.075, 304.307
Yxy	9.2711, 0.1574, 0.0747
Android (android.graphics.Color)	4280364031 (0xFF212BFF)
YUV	64.1780, 94.0752, -27.3431
Hunter-Lab	30.4485, 61.2721, -164.3877

Details

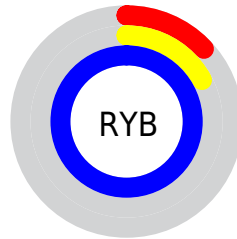
The Hex color **212BFF** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark washed blue. A complement of this color would be **FFF521**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **7E5FFF**, and **0000C4** is the 20% darker color. If you saturate the color by 10%, you get **0813FF**, and if you desaturate by 10%, it is **3A43FF**.

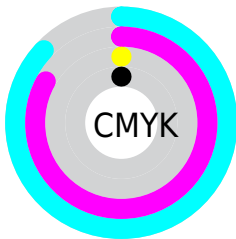
Distribution



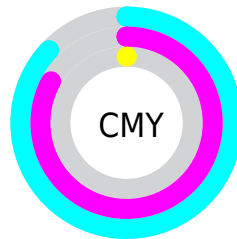
- Red (13%)
- Green (17%)
- Blue (100%)



- Red (13%)
- Yellow (17%)
- Blue (100%)



- Cyan (87%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212BFF 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 212BFF by changing the saturation by 10% instead.

 212BFF

 212BFF

FFFFFF

 000DE1

 7E5FFF

 0000C4

 A179FF

 0000A8

 C294FF

 00008D

 E3B0FF

 000D72

 FFCCFF

 000C58

 FFE9FF

 000740

 000329

 000113

 212BFF

 212BFF

 0813FF

 3A43FF

 000BFF

 545CFF

 6D74FF

 878CFF

 A1A5FF

 BABDFF

 D3D5FF

 EDEEFF

FFFFFF

Harmonies

Analogous

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



0066FF



212BFF



CB00AE

Triad

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



212BFF



A81F00



007363

Complementary

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



212BFF



FFF521

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.



007000



212BFF



5D5800

Square

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



212BFF



DD0000



006A00



0076C6

Rectangle

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



212BFF



EA006D



006A00



007240

Sweetspot

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



212BFF



BDC0FF



21FFF4



585A80



000000



808080

Same Dimension

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



212BFF



000BFF



8521FF



737380



0009BF



000340

Inverse Universe

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



FF212B



FF000B



9BFF21



807373



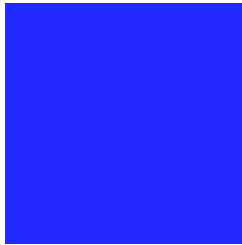
BF0009



400003

Previews

White Background



This preview shows how the Hex color 212BFF looks on a white background.

Color Contrast Check

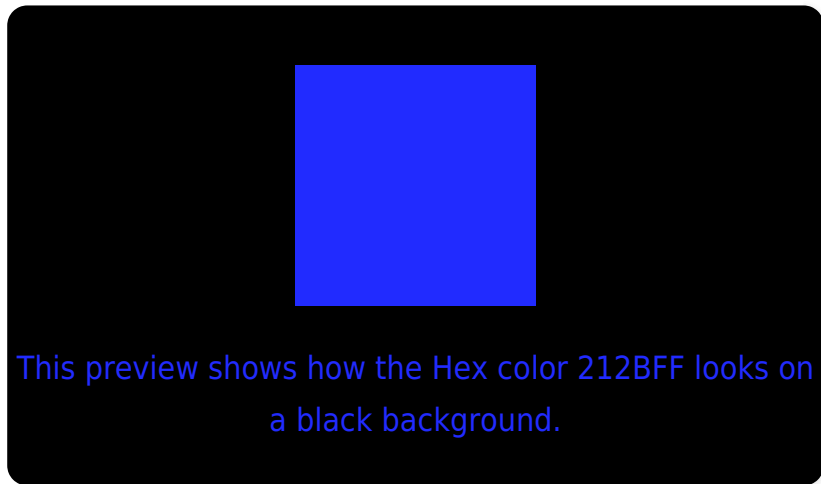
Large Text (above 18pt) WCAG AA ✓ Pass

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

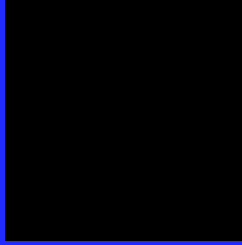
Any Text WCAG AA × Fail

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 212BFF Background



This preview shows how black text looks on a background with the Hex color 212BFF.



This preview shows how white text looks on a background with the Hex color 212BFF.

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
212BFF

Protanopia
0052AC

Deuteranopia
005792



Tritanopia
005E63

Trichromacy



Original Color
212BFF

Protanomaly
0C44CA

Deuteranomaly
0C47BA

Tritanomaly
0C4B9C

Monochromacy



Original Color
212BFF

Achromatopsia
404040

Achromatomaly
353885

CSS Examples

Text

The CSS property to change the color of the text to Hex 212BFF 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 #212BFF looks like.

```
.text, #text, p{  
    color:#212BFF  
}
```

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 #212BFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212BFF
}
```

Border

The CSS property to change the border of an element to Hex 212BFF 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
#212BFF }
```

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

```
.border{ border-color:#212BFF }
```

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

Here you see how a box with a 4 pixel #212BFF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212BFF; -webkit-box-shadow:4px 4px  
4px 4px #212BFF; box-shadow:4px 4px 4px  
4px #212BFF }
```

Background

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

```
.background, #background, body{  
background:#212BFF }
```

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

```
.background{ background-color:#212BFF }
```

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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