

# Converting Colors

Hex(212DEF)

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

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# Color

Hex(212DEF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	212DEF
RGB	33, 45, 239
RGB Percent	13%, 18%, 94%
CMY	0.8706, 0.8235, 0.0627
CMYK	0.86, 0.81, 0.00, 0.06
HSL	237°, 87%, 53%
HSV	237°, 86%, 94%
XYZ	17.1456, 8.4321, 82.3852
YIQ	63.5280, -69.4260, 57.7900

# Conversions

## Conversions Part 2

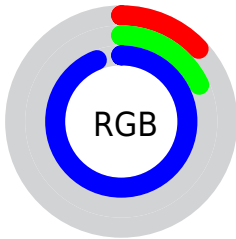
Format	Color
R <sub>Y</sub> B	33, 44, 239
Decimal	2174447
CIE Lab	34.87, 63.26, -94.54
CIE LCh	35, 113.757, 303.787
Yxy	8.4321, 0.1588, 0.0781
Android (android.graphics.Color)	4280364527 (0xFF212DEF)
YUV	63.5280, 86.5077, -26.7731
Hunter-Lab	29.0381, 54.5789, -147.8877

# Details

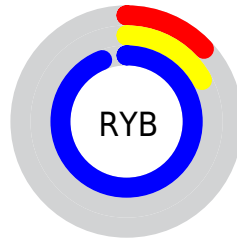
The Hex color **212DEF** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **EFE321**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **7A60FF**, and **0000B5** is the 20% darker color. If you saturate the color by 10%, you get **0916EF**, and if you desaturate by 10%, it is **3944EF**.

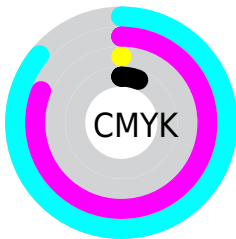
# Distribution



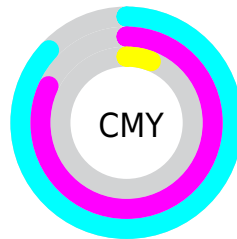
- Red (13%)
- Green (18%)
- Blue (94%)



- Red (13%)
- Yellow (17%)
- Blue (94%)



- Cyan (86%)
- Magenta (81%)
- Yellow (0%)
- Black (6%)



- Cyan (87%)
- Magenta (82%)
- Yellow (6%)

# Brightness & Saturation Gradients

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



 212DEF

 212DEF

FFFFFF

 0013D2

 7A60FF

 0000B5

 9C7AFF

 000099

 BC94FF

 00007E

 DDB0FF

 001064

 FDCCFF

 00094B

 FFE8FF

 000433

 00021D

 000000

■ 212DEF

■ 212DEF

■ 0916EF

■ 3944EF

■ 000EEF

■ 515AEF

■ 6971EF

■ 8187EF

■ 989EEF

■ B0B4EF

■ C8CB EF

■ E0E1EF

■ F8F8EF

# Harmonies

## Analogous

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



0061FF



212DEF



BD00A5

# Triad

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



212DEF



A01F00



006D5C

# Complementary

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



212DEF



EFE321

# 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.



006B00



212DEF



5B5400

# Square

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



212DEF



D00000



006500



0070B8

# Rectangle

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



212DEF



DB0069



006500



006D3C



# Sweetspot

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



212DEF



BDC1FF



21EFE1



585A80



000000



808080



# Same Dimension

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



212DEF



000FFF



7A21EF



6C6D78



000BB8



000338



# Inverse Universe

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



EF212D



FF000F



96EF21



786C6D



B8000B

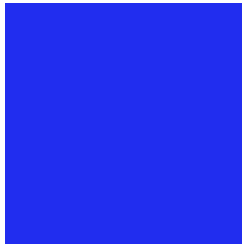


380003



# Previews

## White Background



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

## Color Contrast Check

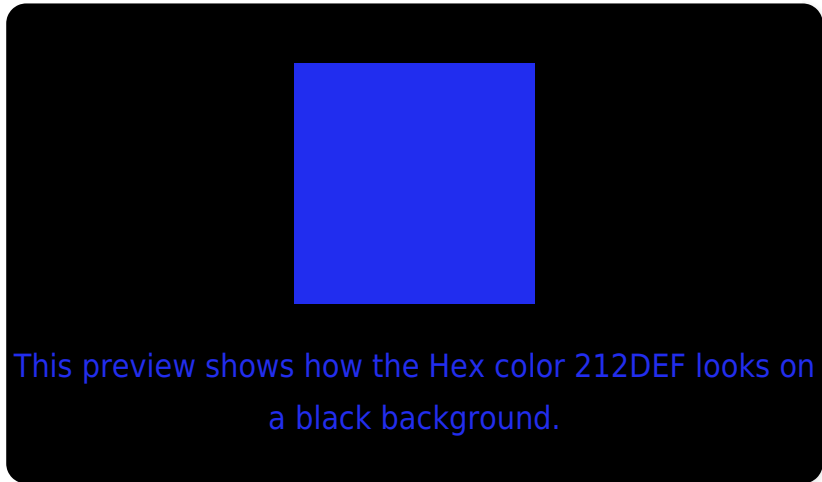
Large Text (above 18pt) WCAG AA ✓ Pass

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

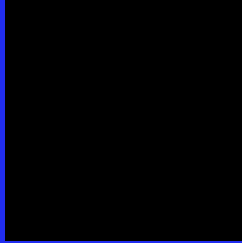
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 212DEF Background



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

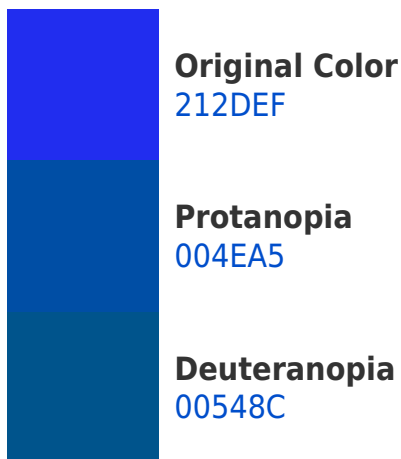


This preview shows how white text looks on a background with the Hex color 212DEF.

# 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**  
005A5F

# Trichromacy



**Original Color**  
212DEF

**Protanomaly**  
0C42C0

**Deuteranomaly**  
0C46B0

**Tritanomaly**  
0C4A93

# Monochromacy



**Original Color**  
212DEF

**Achromatopsia**  
404040

**Achromatomaly**  
353980

# CSS Examples

## Text

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

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

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 #212DEF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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