

# Converting Colors

Hex(2272FD)

Have a look what the booklet for  
Hex(2272FD) contains.

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# Color

Hex(2272FD)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2272FD
RGB	34, 114, 253
RGB Percent	13%, 45%, 99%
CMY	0.8667, 0.5529, 0.0078
CMYK	0.87, 0.55, 0.00, 0.01
HSL	218°, 98%, 56%
HSV	218°, 87%, 99%
XYZ	24.4066, 19.4666, 95.3996
YIQ	105.9260, -92.2990, 26.2690

# Conversions

## Conversions Part 2

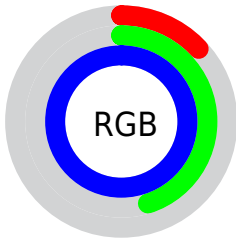
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	34, 93, 253
Decimal	2257661
CIE Lab	51.23, 28.03, -75.47
CIE LCh	51, 80.502, 290.373
Yxy	19.4666, 0.1752, 0.1398
Android (android.graphics.Color)	4280447741 (0xFF2272FD)
YUV	105.9260, 72.5075, -63.0791
Hunter-Lab	44.1209, 21.5303, -97.3139

# Details

The Hex color `2272FD` is a dark color, and the websafe version is hex `0066FF`. The color can be described as middle washed azure. A complement of this color would be `FDAD22`, and the grayscale version is `696969`.

A 20% lighter version of the original color is `78A5FF`, and `0043C3` is the 20% darker color. If you saturate the color by 10%, you get `0962FD`, and if you desaturate by 10%, it is `3B82FD`.

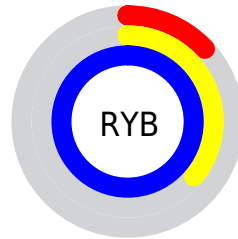
# Distribution



Red (13%)

Green (45%)

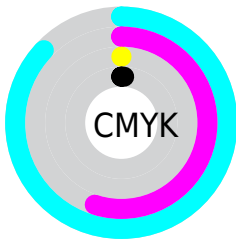
Blue (99%)



Red (13%)

Yellow (36%)

Blue (99%)

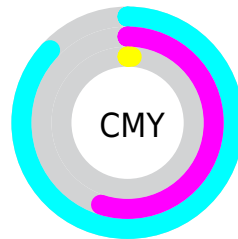


Cyan (87%)

Magenta (55%)

Yellow (0%)

Black (1%)



Cyan (87%)

Magenta (55%)

Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2272FD 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 2272FD by changing the saturation by 10% instead.



 2272FD

 2272FD


FFFFFF

 005AE0

 78A5FF

 0043C3

 9AC0FF

 002FA7

 BADCFF

 001D8C

 DAF8FF

 000472

 FAFFFF

 000C58

 000740

 000329

 000113

■ 2272FD

■ 2272FD

■ 0962FD

■ 3B82FD

■ 005CFD

■ 5592FD

■ 6EA2FD

■ 87B2FD

■ A0C2FD

■ BAD2FD

■ D3E2FD

■ ECF2FD

FFFFFD

# Harmonies

## Analogous

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



0089FF



2272FD



B44BD3

# Triad

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



2272FD



D54D00



009561

# Complementary

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



2272FD



FDAD22

# 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.



00900D



2272FD



A76F00

# Square

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



2272FD



EE194F



688500



0097A8

# Rectangle

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



2272FD



DB28AA



688500



009448



# Sweetspot

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



2272FD



BDD5FF



22FDAD



586680



000000



808080



# Same Dimension

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



2272FD



005DFF



3F22FD



737780



0046BF



001740



# Inverse Universe

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



FD2272



FF005D



E0FD22



807377



BF0046



400017



# Previews

## White Background



This preview shows how the Hex color 2272FD looks on a white background.

## Color Contrast Check

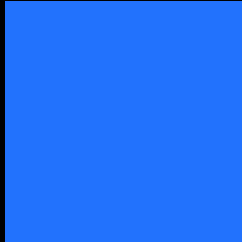
Large Text (above 18pt) WCAG AA ✓ Pass

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 2272FD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

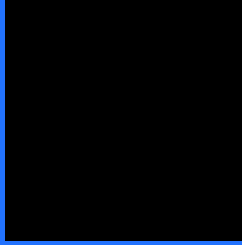
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

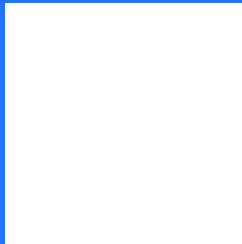
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2272FD Background



This preview shows how black text looks on a background with the Hex color 2272FD.



This preview shows how white text looks on a background with the Hex color 2272FD.

# 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**  
2272FD

**Protanopia**  
0074F8

**Deuteranopia**  
007CD6



**Tritanopia**  
00878F

# Trichromacy



**Original Color**  
2272FD

**Protanomaly**  
0C73FA

**Deuteranomaly**  
0C78E4

**Tritanomaly**  
0C7FB7

# Monochromacy



**Original Color**  
2272FD

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
506D9F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2272FD 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 #2272FD looks like.

```
.text, #text, p{  
    color:#2272FD  
}
```

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 #2272FD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2272FD
}
```

## Border

The CSS property to change the border of an element to Hex 2272FD 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
#2272FD }
```

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

```
.border{ border-color:#2272FD }
```

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

Here you see how a box with a 4 pixel #2272FD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2272FD; -webkit-box-shadow:4px 4px  
4px 4px #2272FD; box-shadow:4px 4px 4px  
4px #2272FD }
```

# Background

The CSS property to change the background color of an element to Hex 2272FD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2272FD }
```

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

```
.background{ background-color:#2272FD }
```

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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