

# Converting Colors

Hex(2200EE)

Have a look what the booklet for  
Hex(2200EE) contains.

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# Color

**Hex(2200EE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2200EE
RGB	34, 0, 238
RGB Percent	13%, 0%, 93%
CMY	0.8667, 1.0000, 0.0667
CMYK	0.86, 1.00, 0.00, 0.07
HSL	249°, 100%, 47%
HSV	249°, 100%, 93%
XYZ	16.0923, 6.5131, 81.2979
YIQ	37.2980, -56.1340, 81.2260

# Conversions

## Conversions Part 2

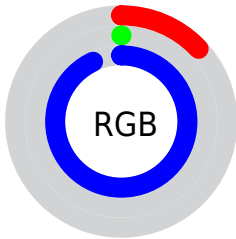
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 0, 238
Decimal	2228462
CIELab	30.67, 75.44, -100.97
CIELCh	31, 126.040, 306.763
Yxy	6.5131, 0.1549, 0.0627
Android (android.graphics.Color)	4280418542 (0xFF2200EE)
YUV	37.2980, 98.9461, -2.8923
Hunter-Lab	25.5208, 67.8927, -171.0068

# Details

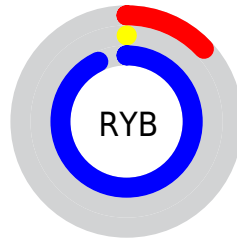
The Hex color **2200EE** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **CCEE00**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **7C46FF**, and **0000B4** is the 20% darker color. If you saturate the color by 10%, you get **2200EE**, and if you desaturate by 10%, it is **3618EE**.

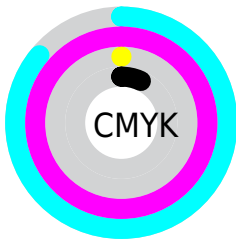
# Distribution



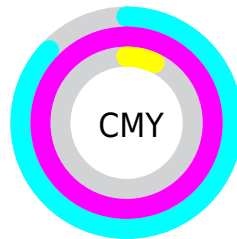
- Red (13%)
- Green (0%)
- Blue (93%)



- Red (13%)
- Yellow (0%)
- Blue (93%)



- Cyan (86%)
- Magenta (100%)
- Yellow (0%)
- Black (7%)



- Cyan (87%)
- Magenta (100%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2200EE 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 2200EE by changing the saturation by 10% instead.



■ 2200EE

■ 2200EE

FFFFFF

■ 0000D1

■ 7C46FF

■ 0000B4

■ 9E61FF

■ 000098

■ BF7DFF

■ 00007D

■ E098FF

■ 000F63

■ FF55FF

■ 00094A

■ FFD1FF

■ 000432

■ FFE0FF

■ 00021C

■ 000000

 2200EE

 3618EE

 4B30EE

 5F47EE

 745FEE

 8877EE

 9C8FEE

 B1A7EE

 C5BEEE

 DAD6EE

# Harmonies

## Analogous

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



0058FF



2200EE



C10099

# Triad

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



2200EE



921100



00635E

# Complementary

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



2200EE



CCEE00

# 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.



006100



2200EE



454D00

# Square

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



2200EE



C80000



005C00



0067C1

# Rectangle

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



2200EE



DC0058



005C00



00623B



# Sweetspot

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



2200EE



BDB3FF



00CEEE



585280



000000



808080



# Same Dimension

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



2200EE



2400FF



9700EE



6E6C78



1A00B8



080038



# Inverse Universe

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



EE00CC



FF00DB



57EE00



786C76



B8009D

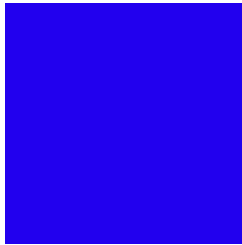


380030



# Previews

## White Background



This preview shows how the Hex color 2200EE looks on a white background.

## Color Contrast Check

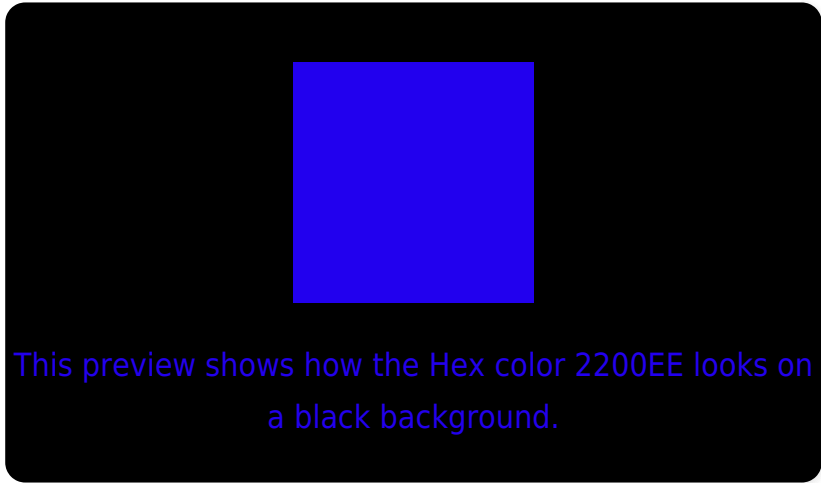
Large Text (above 18pt) WCAG AA ✓ Pass

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 2200EE Background



This preview shows how black text looks on a background with the Hex color 2200EE.



This preview shows how white text looks on a background with the Hex color 2200EE.

# 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**  
2200EE

**Protanopia**  
004794

**Deuteranopia**  
004C7E

# Trichromacy



**Original Color**  
2200EE

**Protanomaly**  
0C2DB5

**Deuteranomaly**  
0C30A7

# Monochromacy



**Original Color**  
2200EE

**Achromatopsia**  
252525

**Achromatomaly**  
24186E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2200EE 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 #2200EE looks like.

```
.text, #text, p{  
    color:#2200EE  
}
```

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 #2200EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2200EE
}
```

## Border

The CSS property to change the border of an element to Hex 2200EE is called "border". The border property can be set on classes, ids or directly on the HTML element.

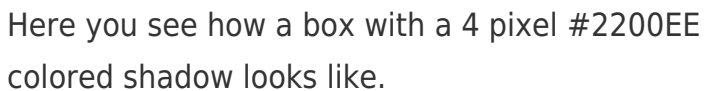
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2200EE }
```

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

```
.border{ border-color:#2200EE }
```

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



Here you see how a box with a 4 pixel #2200EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2200EE; -webkit-box-shadow:4px 4px  
4px 4px #2200EE; box-shadow:4px 4px 4px  
4px #2200EE }
```

# Background

The CSS property to change the background color of an element to Hex 2200EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2200EE }
```

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

```
.background{ background-color:#2200EE }
```

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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