

# Converting Colors

Hex(2255ED)

Have a look what the booklet for  
Hex(2255ED) contains.

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# Color

Hex(2255ED)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2255ED
RGB	34, 85, 237
RGB Percent	13%, 33%, 93%
CMY	0.8667, 0.6667, 0.0706
CMYK	0.86, 0.64, 0.00, 0.07
HSL	225°, 85%, 53%
HSV	225°, 86%, 93%
XYZ	19.1942, 12.9515, 81.6090
YIQ	87.0790, -79.1880, 36.4600

# Conversions

## Conversions Part 2

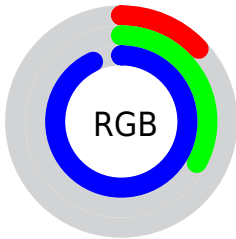
<b>Format</b>	<b>Color</b>
<code>RYB</code>	<code>34, 75, 237</code>
Decimal	<code>2250221</code>
CIELab	<code>42.69, 40.37, -80.48</code>
CIELCh	<code>43, 90.041, 296.639</code>
Yxy	<code>12.9515, 0.1687, 0.1139</code>
Android ( <code>android.graphics.Color</code> )	<code>4280440301 (0xFF2255ED)</code>
YUV	<code>87.0790, 73.9111, -46.5503</code>
Hunter-Lab	<code>35.9882, 32.2233, -109.2578</code>

# Details

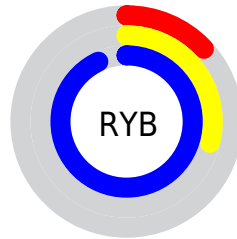
The Hex color **2255ED** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **EDBA22**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **7686FF**, and **0029B4** is the 20% darker color. If you saturate the color by 10%, you get **0A43ED**, and if you desaturate by 10%, it is **3A67ED**.

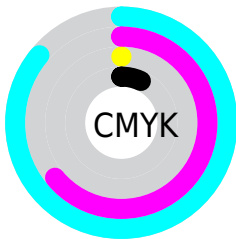
# Distribution



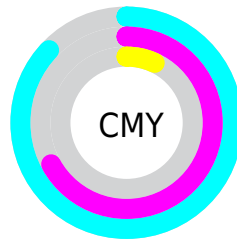
- Red (13%)
- Green (33%)
- Blue (93%)



- Red (13%)
- Yellow (29%)
- Blue (93%)



- Cyan (86%)
- Magenta (64%)
- Yellow (0%)
- Black (7%)



- Cyan (87%)
- Magenta (67%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2255ED 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 2255ED by changing the saturation by 10% instead.



■ 2255ED

■ 2255ED

FFFFFF

■ 003ED0

■ 7686FF

■ 0029B4

■ 97A0FF

■ 001698

■ B7BBFF

■ 00027D

■ D7D7FF

■ 000963

■ F6F4FF

■ 00094A

■ 000433

■ 00021D

■ 000000

■ 2255ED

■ 2255ED

■ 0A43ED

■ 3A67ED

■ 003CED

■ 5178ED

■ 698AED

■ 819CED

■ 98AEED

■ B0BFED

■ C8D1ED

■ E0E3ED

■ F7F5ED

# Harmonies

## Analogous

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



0073FD



2255ED



B106B8

# Triad

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



2255ED



B93800



00805A

# Complementary

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



2255ED



EDBA22

# 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.



007C00



2255ED



836000

# Square

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



2255ED



DA0028



377300



0081A6

# Rectangle

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



2255ED



D30089



377300



007F3F



# Sweetspot

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



2255ED



BDCDFF



22EDB7



586280



000000



808080



# Same Dimension

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



2255ED



0040FF



5122ED



6A6D75



002DB5



000D36



# Inverse Universe

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



ED2255



FF0040



BEED22



756A6D



B5002D



36000D



# Previews

## White Background



This preview shows how the Hex color 2255ED looks on a white background.

## Color Contrast Check

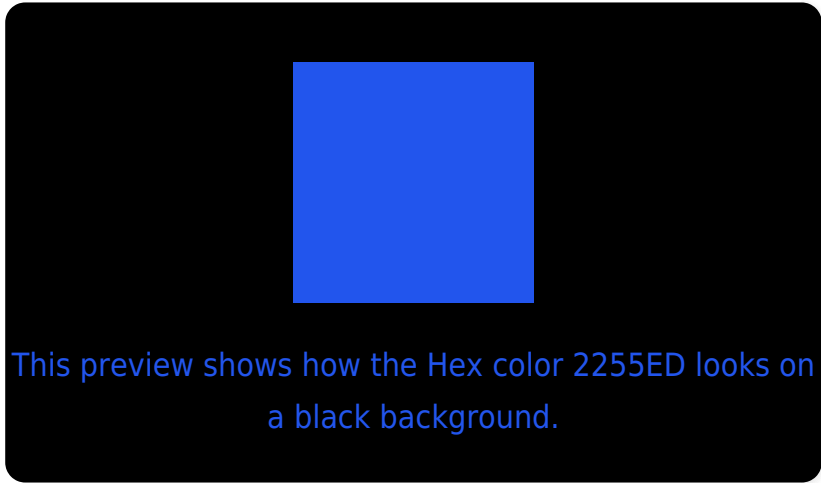
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

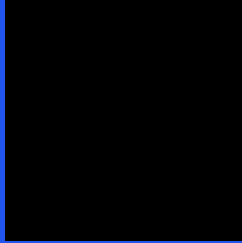
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2255ED Background



This preview shows how black text looks on a background with the Hex color 2255ED.

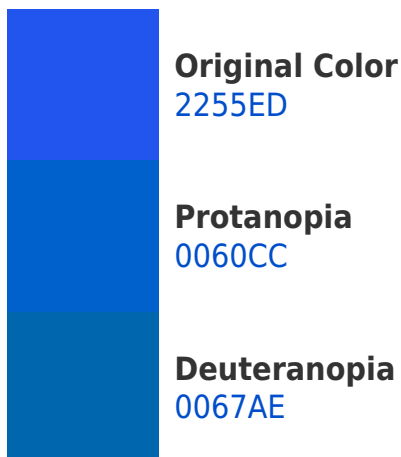


This preview shows how white text looks on a background with the Hex color 2255ED.

# 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](#).

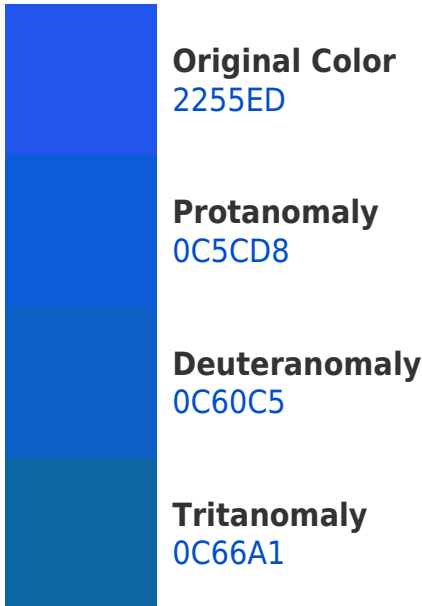
## Dichromacy





**Tritanopia**  
006F75

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2255ED 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 #2255ED looks like.

```
.text, #text, p{  
    color:#2255ED  
}
```

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 #2255ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2255ED
}
```

## Border

The CSS property to change the border of an element to Hex 2255ED 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
#2255ED }
```

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

```
.border{ border-color:#2255ED }
```

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

Here you see how a box with a 4 pixel #2255ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2255ED; -webkit-box-shadow:4px 4px  
4px 4px #2255ED; box-shadow:4px 4px 4px  
4px #2255ED }
```

# Background

The CSS property to change the background color of an element to Hex 2255ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2255ED }
```

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

```
.background{ background-color:#2255ED }
```

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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