

# Converting Colors

Hex(213CEA)

Have a look what the booklet for  
Hex(213CEA) contains.

<b>Hex(213CEA)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(213CEA)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	213CEA
RGB	33, 60, 234
RGB Percent	13%, 24%, 92%
CMY	0.8706, 0.7647, 0.0824
CMYK	0.86, 0.74, 0.00, 0.08
HSL	232°, 83%, 52%
HSV	232°, 86%, 92%
XYZ	17.0943, 9.4956, 78.7738
YIQ	71.7630, -71.9460, 48.3900

# Conversions

## Conversions Part 2

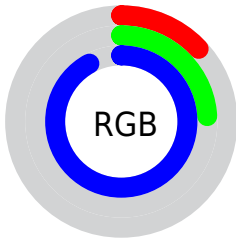
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 57, 234
Decimal	2178282
CIE <sub>Lab</sub>	36.92, 54.12, -88.30
CIE <sub>LCh</sub>	37, 103.568, 301.506
Yxy	9.4956, 0.1622, 0.0901
Android (android.graphics.Color)	4280368362 (0xFF213CEA)
YUV	71.7630, 79.9828, -33.9952
Hunter-Lab	30.8149, 45.0956, -129.9959

# Details

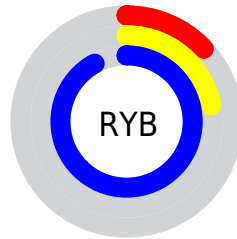
The Hex color **213CEA** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **EACF21**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **776DFF**, and **000FB1** is the 20% darker color. If you saturate the color by 10%, you get **0A28EA**, and if you desaturate by 10%, it is **3850EA**.

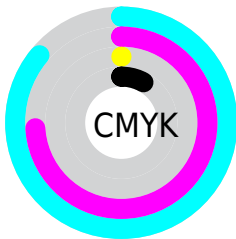
# Distribution



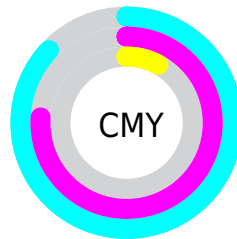
- Red (13%)
- Green (24%)
- Blue (92%)



- Red (13%)
- Yellow (22%)
- Blue (92%)



- Cyan (86%)
- Magenta (74%)
- Yellow (0%)
- Black (8%)



- Cyan (87%)
- Magenta (76%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 213CEA 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 213CEA by changing the saturation by 10% instead.




 213CEA

 213CEA


FFFFFF

 0025CD

 776DFF

 000FB1

 9987FF

 000095

 B9A1FF

 00007A

 D9BDFF

 000F60

 F8D9FF

 000847

 FFF6FF

 000430

 00011A

 000000

■ 213CEA

■ 213CEA

■ 0A28EA

■ 3850EA

■ 001FEA

■ 5065EA

■ 6779EA

■ 7F8DEA

■ 96A1EA

■ ADB6EA

■ C5CAEA

■ DCDEEA

■ F4F2EA

# Harmonies

## Analogous

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



0065FF



213CEA



B600A9

# Triad

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



213CEA



A62700



007259

# Complementary

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



213CEA



EACF21

# 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.



006F00



213CEA



675600

# Square

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



213CEA



D00004



006800



0074AE

# Rectangle

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



213CEA



D40073



006800



00713C



# Sweetspot

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



213CEA



BDC6FF



21EACC



585D80



000000



808080



# Same Dimension

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



213CEA



0022FF



6721EA



6A6B75



0018B5



000736



# Inverse Universe

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



EA213C



FF0022



A4EA21



756A6B



B50018

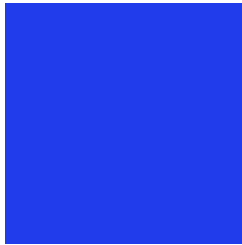


360007



# Previews

## White Background



This preview shows how the Hex color 213CEA looks on a white background.

## Color Contrast Check

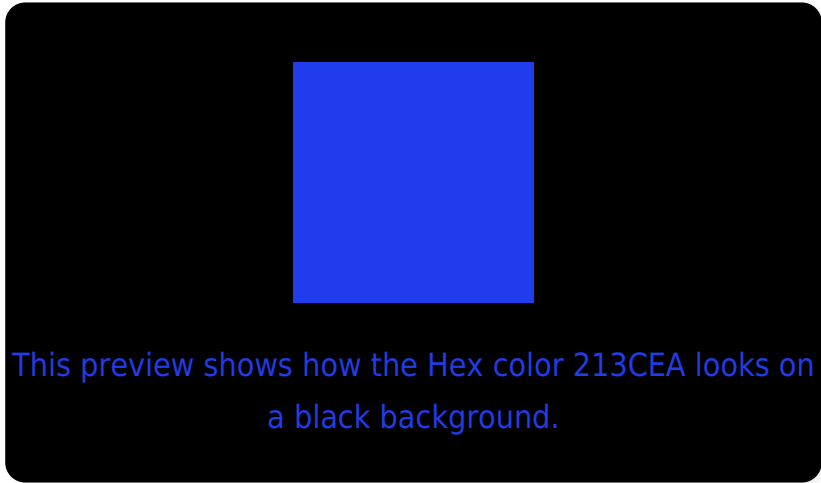
Large Text (above 18pt) WCAG AA ✓ Pass

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

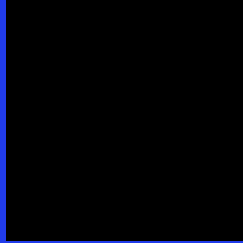
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 213CEA Background



This preview shows how black text looks on a background with the Hex color 213CEA.

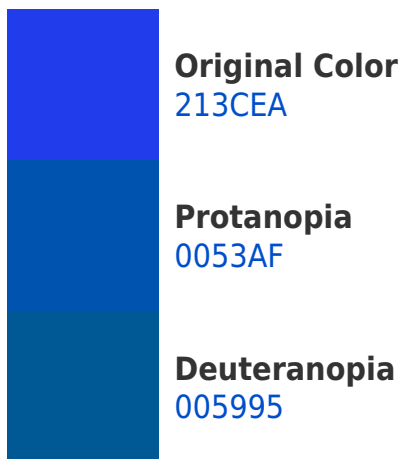


This preview shows how white text looks on a background with the Hex color 213CEA.

# 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





# Trichromacy



**Original Color**  
213CEA

**Protanomaly**  
0C4BC4

**Deuteranomaly**  
0C4EB4

**Tritanomaly**  
0C5395

# Monochromacy



**Original Color**  
213CEA

**Achromatopsia**  
484848

**Achromatomaly**  
3A4483

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 213CEA 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 #213CEA looks like.

```
.text, #text, p{  
    color:#213CEA  
}
```

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 #213CEA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #213CEA
}
```

## Border

The CSS property to change the border of an element to Hex 213CEA 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
#213CEA }
```

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

```
.border{ border-color:#213CEA }
```

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

Here you see how a box with a 4 pixel #213CEA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #213CEA; -webkit-box-shadow:4px 4px  
4px 4px #213CEA; box-shadow:4px 4px 4px  
4px #213CEA }
```

# Background

The CSS property to change the background color of an element to Hex 213CEA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#213CEA }
```

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

```
.background{ background-color:#213CEA }
```

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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