

# Converting Colors

Hex(222BC7)

Have a look what the booklet for  
Hex(222BC7) contains.

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# Color

Hex(222BC7)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 222BC7                     |
| RGB           | 34, 43, 199                |
| RGB Percent   | 13%, 17%, 78%              |
| CMY           | 0.8667, 0.8314, 0.2196     |
| CMYK          | 0.83, 0.78, 0.00, 0.22     |
| HSL           | 237°, 71%, 46%             |
| HSV           | 237°, 83%, 78%             |
| XYZ           | 11.8324, 6.1914, 54.6042   |
| YIQ           | 58.0930, -55.4400, 46.6080 |

# Conversions

## Conversions Part 2

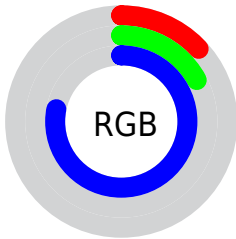
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 34, 43, 199                    |
| Decimal                             | 2239431                        |
| CIE <sub>Lab</sub>                  | 29.89, 51.86, -79.78           |
| CIE <sub>LCh</sub>                  | 30, 95.150, 303.025            |
| Yxy                                 | 6.1914, 0.1629,<br>0.0852      |
| Android<br>(android.graphics.Color) | 4280429511<br>(0xFF222BC7)     |
| YUV                                 | 58.0930, 69.4672,<br>-21.1296  |
| Hunter-Lab                          | 24.8824, 41.3380,<br>-112.6936 |

# Details

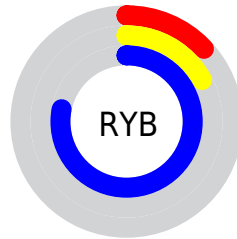
The Hex color **222BC7** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **C7BE22**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **705BFF**, and **00008F** is the 20% darker color. If you saturate the color by 10%, you get **0E18C7**, and if you desaturate by 10%, it is **363EC7**.

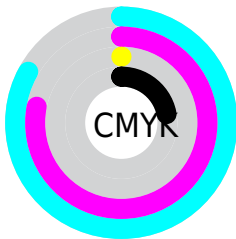
# Distribution



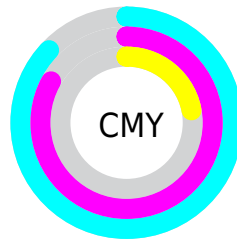
- Red (13%)
- Green (17%)
- Blue (78%)



- Red (13%)
- Yellow (17%)
- Blue (78%)



- Cyan (83%)
- Magenta (78%)
- Yellow (0%)
- Black (22%)



- Cyan (87%)
- Magenta (83%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 222BC7 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 222BC7 by changing the saturation by 10% instead.



 222BC7

 222BC7

FFFFFF

 0013AB

 705BFF

 00008F

 8F75FF

 000075

 AE8FFF

 00075B

 CDAAFF

 000742

 ECC5FF

 00032B

 FFE2FF

 000116

 000000

 222BC7

 222BC7

■ 0E18C7

■ 363EC7

■ 000BC7

■ 4A51C7

■ 5E63C7

■ 7276C7

■ 8689C7

■ 999CC7

■ ADAFC7

■ C1C2C7

■ D5D4C7

# Harmonies

## Analogous

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



0052E1



222BC7



9D008B

# Triad

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



222BC7



891E00



005E4D

# Complementary

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



222BC7



C7BE22

# 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.



005B00



222BC7



514700

# Square

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



222BC7



B00000



005600



006097

# Rectangle

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



222BC7



B6005B



005600



005D32



# Sweetspot

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



222BC7



BFC3FF



22C7BC



595B80



000000



808080



# Same Dimension

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



222BC7



0310FF



6A22C7



5A5A63



0009A3



000224



# Inverse Universe

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



C7222B



FF0310



80C722



635A5A



A30009

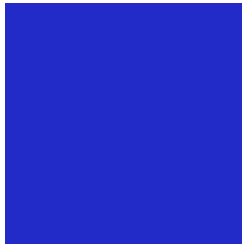


240002



# Previews

## White Background



This preview shows how the Hex color 222BC7 looks on a white background.

## Color Contrast Check

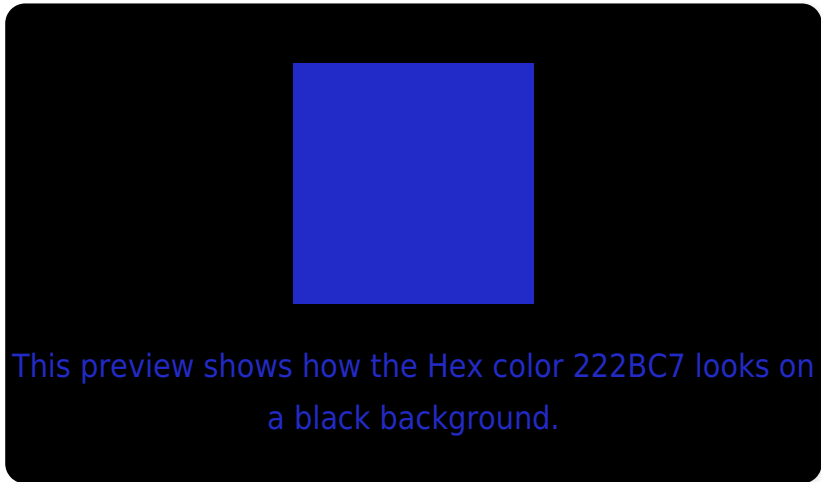
Large Text (above 18pt) WCAG AA ✓ Pass

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

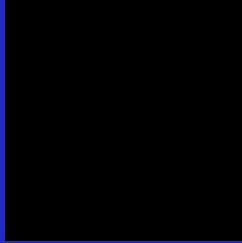
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 222BC7 Background



This preview shows how black text looks on a background with the Hex color 222BC7.



This preview shows how white text looks on a background with the Hex color 222BC7.

# 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**  
222BC7

**Protanopia**  
00448E

**Deuteranopia**  
004879



**Tritanopia**  
004E52

# Trichromacy



**Original Color**  
222BC7

**Protanomaly**  
0C3BA3

**Deuteranomaly**  
0C3D95

**Tritanomaly**  
0C417D

# Monochromacy



**Original Color**  
222BC7

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
31356D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 222BC7 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 #222BC7 looks like.

```
.text, #text, p{  
    color:#222BC7  
}
```

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 #222BC7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #222BC7
}
```

## Border

The CSS property to change the border of an element to Hex 222BC7 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
#222BC7 }
```

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

```
.border{ border-color:#222BC7 }
```

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

Here you see how a box with a 4 pixel #222BC7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #222BC7; -webkit-box-shadow:4px 4px  
4px 4px #222BC7; box-shadow:4px 4px 4px  
4px #222BC7 }
```

# Background

The CSS property to change the background color of an element to Hex 222BC7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#222BC7 }
```

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

```
.background{ background-color:#222BC7 }
```

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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