

# Converting Colors

Hex(233BB7)

Have a look what the booklet for  
Hex(233BB7) contains.

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# Color

Hex(233BB7)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	233BB7
RGB	35, 59, 183
RGB Percent	14%, 23%, 72%
CMY	0.8627, 0.7686, 0.2824
CMYK	0.81, 0.68, 0.00, 0.28
HSL	230°, 68%, 43%
HSV	230°, 81%, 72%
XYZ	10.8043, 6.9042, 45.5629
YIQ	65.9600, -54.1080, 33.4760

# Conversions

## Conversions Part 2

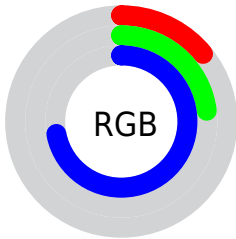
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 56, 183
Decimal	2309047
CIE <sub>Lab</sub>	31.59, 37.09, -67.55
CIE <sub>LCh</sub>	32, 77.059, 298.771
Yxy	6.9042, 0.1708, 0.1091
Android (android.graphics.Color)	4280499127 (0xFF233BB7)
YUV	65.9600, 57.7007, -27.1519
Hunter-Lab	26.2758, 27.4150, -84.4176

# Details

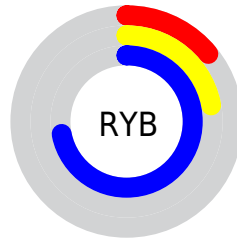
The Hex color **233BB7** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **B79F23**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **6A6AF0**, and **001281** is the 20% darker color. If you saturate the color by 10%, you get **112CB7**, and if you desaturate by 10%, it is **354AB7**.

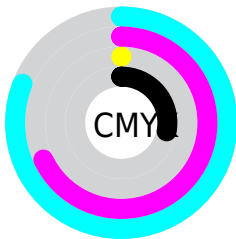
# Distribution



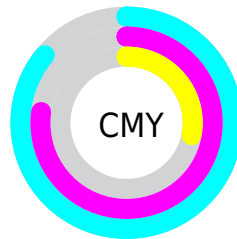
- Red (14%)
- Green (23%)
- Blue (72%)



- Red (14%)
- Yellow (22%)
- Blue (72%)



- Cyan (81%)
- Magenta (68%)
- Yellow (0%)
- Black (28%)



- Cyan (86%)
- Magenta (77%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 233BB7 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 233BB7 by changing the saturation by 10% instead.



 233BB7

 233BB7

FFFFFF

 00259B

 6A6AF0

 001281

 8984FF

 000067

 A79EFF

 00094E

 C5B9FF

 000536

 E3D5FF

 000220

 FFF1FF

 000003

 000000

 233BB7

 233BB7

■ 112CB7

■ 354AB7

■ 001EB7

■ 485AB7

■ 5A69B7

■ 6C78B7

■ 7F88B7

■ 9197B7

■ A3A6B7

■ B5B6B7

■ C8C5B7

# Harmonies

## Analogous

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



0055C7



233BB7



8C008A

# Triad

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



233BB7



8B2800



006046

# Complementary

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



233BB7



B79F23

# 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.



005D00



233BB7



5E4800

# Square

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



233BB7



A70015



1B5700



006184

# Rectangle

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



233BB7



A50064



1B5700



005F31



# Sweetspot

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



233BB7



B4BDED



23B79E



555B78



F7F7F7



787878



# Same Dimension

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



233BB7



072CED



5423B7



53545C



00199C



00051C



# Inverse Universe

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



B7233B



ED072C



86B723



5C5354



9C0019

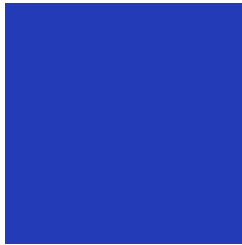


1C0005



# Previews

## White Background



This preview shows how the Hex color 233BB7 looks on a white background.

## Color Contrast Check

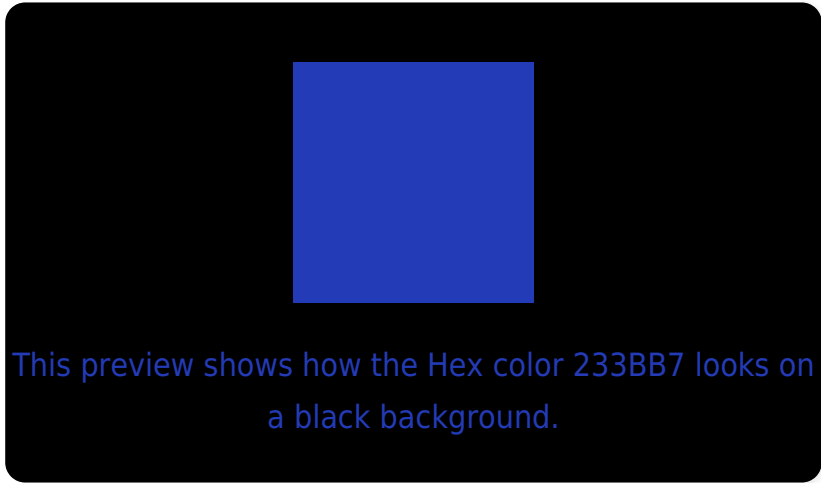
Large Text (above 18pt) WCAG AA ✓ Pass

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

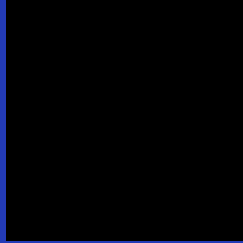
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 233BB7 Background



This preview shows how black text looks on a background with the Hex color 233BB7.

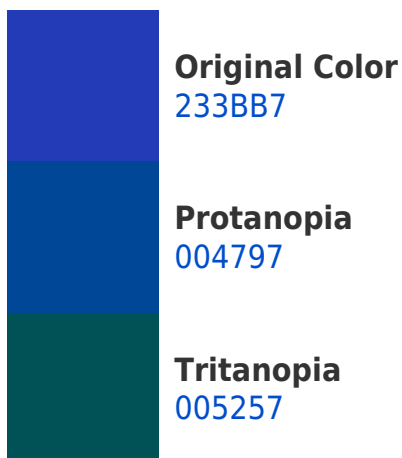


This preview shows how white text looks on a background with the Hex color 233BB7.

# 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**  
233BB7

**Protanomaly**  
0D43A3

**Tritanomaly**  
0D4A7A

# Monochromacy



**Original Color**  
233BB7

**Achromatopsia**  
424242

**Achromatomaly**  
373F6D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233BB7 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 #233BB7 looks like.

```
.text, #text, p{  
    color:#233BB7  
}
```

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 #233BB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233BB7
}
```

## Border

The CSS property to change the border of an element to Hex 233BB7 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
#233BB7 }
```

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

```
.border{ border-color:#233BB7 }
```

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

Here you see how a box with a 4 pixel #233BB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233BB7; -webkit-box-shadow:4px 4px  
4px 4px #233BB7; box-shadow:4px 4px 4px  
4px #233BB7 }
```

# Background

The CSS property to change the background color of an element to Hex 233BB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233BB7 }
```

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

```
.background{ background-color:#233BB7 }
```

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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