

# Converting Colors

Hex(234BC8)

Have a look what the booklet for  
Hex(234BC8) contains.

<b>Hex(234BC8)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(234BC8)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	234BC8
RGB	35, 75, 200
RGB Percent	14%, 29%, 78%
CMY	0.8627, 0.7059, 0.2157
CMYK	0.83, 0.62, 0.00, 0.22
HSL	225°, 70%, 46%
HSV	225°, 82%, 78%
XYZ	13.6345, 9.5596, 55.7702
YIQ	77.2900, -63.9650, 30.3950

# Conversions

## Conversions Part 2

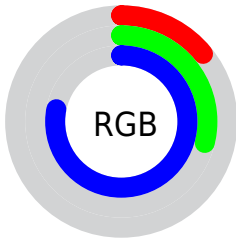
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 67, 200
Decimal	2313160
CIELab	37.04, 33.12, -68.57
CIElCh	37, 76.152, 295.780
Yxy	9.5596, 0.1727, 0.1211
Android (android.graphics.Color)	4280503240 (0xFF234BC8)
YUV	77.2900, 60.4960, -37.0883
Hunter-Lab	30.9186, 24.6076, -85.3026

# Details

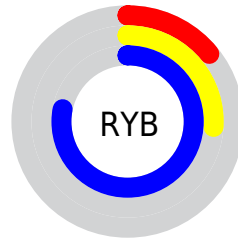
The Hex color **234BC8** is a dark color, and the websafe version is hex **003399**. The color can be described as dark muted blue. A complement of this color would be **C8A023**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **6E7BFF**, and **002091** is the 20% darker color. If you saturate the color by 10%, you get **0F3CC8**, and if you desaturate by 10%, it is **375AC8**.

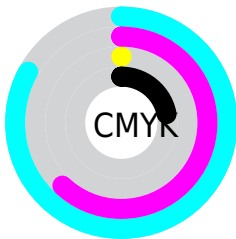
# Distribution



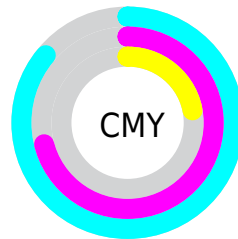
- Red (14%)
- Green (29%)
- Blue (78%)



- Red (14%)
- Yellow (26%)
- Blue (78%)



- Cyan (83%)
- Magenta (62%)
- Yellow (0%)
- Black (22%)



- Cyan (86%)
- Magenta (71%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 234BC8 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 234BC8 by changing the saturation by 10% instead.



 234BC8

 234BC8

FFFFFF

 0035AC

 6E7BFF

 002091

 8D95FF

 000F76

 ABB0FF

 00005D

 CACBFF

 000744

 E8E7FF

 00032D

 000117

 000000

 234BC8

 234BC8

■ 0F3CC8

■ 375AC8

■ 0030C8

■ 4B69C8

■ 5F78C8

■ 7388C8

■ 8797C8

■ 9BA6C8

■ AFB5C8

■ C3C4C8

■ D7D3C8

# Harmonies

## Analogous

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



0063D4



234BC8



951A9D

# Triad

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



234BC8



9F3200



006E4C

# Complementary

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



234BC8



C8A023

# 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.



006B00



234BC8



725200

# Square

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



234BC8



B90027



366300



006F8C

# Rectangle

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



234BC8



B20077



366300



006D36



# Sweetspot

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



234BC8



BFCFFF



23C89F



596380



000000



808080



# Same Dimension

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



234BC8



0340FF



4C23C8



5A5C63



0028A3



000924



# Inverse Universe

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



C8234B



FF0340



9FC823



635A5C



A30028



240009



# Previews

## White Background



This preview shows how the Hex color 234BC8 looks on a white background.

## Color Contrast Check

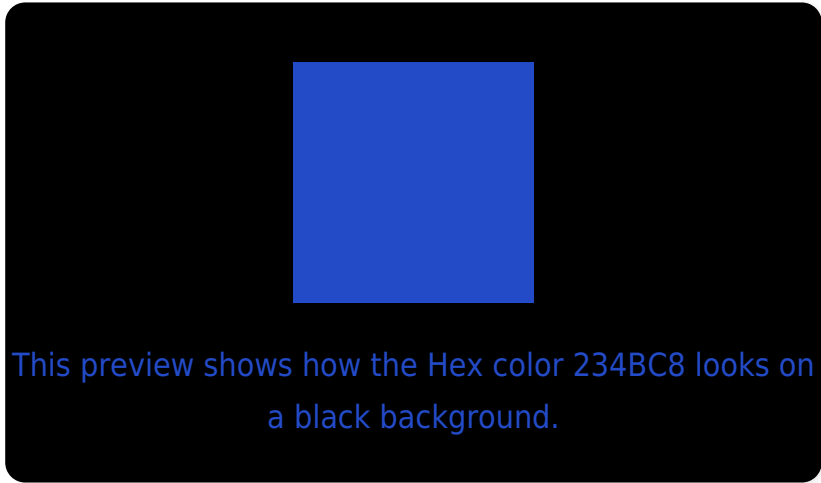
Large Text (above 18pt) WCAG AA ✓ Pass

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

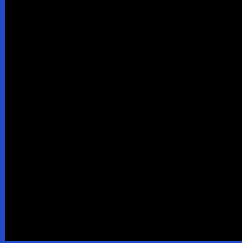
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 234BC8 Background



This preview shows how black text looks on a background with the Hex color 234BC8.

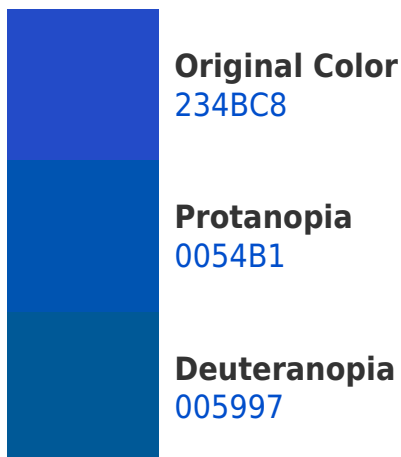


This preview shows how white text looks on a background with the Hex color 234BC8.

# 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**  
234BC8

**Protanomaly**  
0D51B9

**Deuteranomaly**  
0D54A9

**Tritanomaly**  
0D588A

# Monochromacy



**Original Color**  
234BC8

**Achromatopsia**  
4D4D4D

**Achromatomaly**  
3E4C7A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 234BC8 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 #234BC8 looks like.

```
.text, #text, p{  
    color:#234BC8  
}
```

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 #234BC8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #234BC8
}
```

## Border

The CSS property to change the border of an element to Hex 234BC8 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
#234BC8 }
```

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

```
.border{ border-color:#234BC8 }
```

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

Here you see how a box with a 4 pixel #234BC8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #234BC8; -webkit-box-shadow:4px 4px  
4px 4px #234BC8; box-shadow:4px 4px 4px  
4px #234BC8 }
```

# Background

The CSS property to change the background color of an element to Hex 234BC8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#234BC8 }
```

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

```
.background{ background-color:#234BC8 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor