

# Converting Colors

Hex(200AE2)

Have a look what the booklet for  
Hex(200AE2) contains.

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# Color

**Hex(200AE2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	200AE2
RGB	32, 10, 226
RGB Percent	13%, 4%, 89%
CMY	0.8745, 0.9608, 0.1137
CMYK	0.86, 0.96, 0.00, 0.11
HSL	246°, 92%, 46%
HSV	246°, 96%, 89%
XYZ	14.4317, 6.0151, 72.3519
YIQ	41.2020, -56.2240, 71.8400

# Conversions

## Conversions Part 2

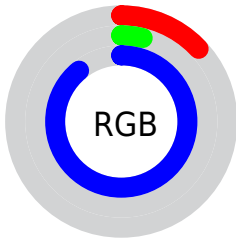
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 10, 226
Decimal	2099938
CIELab	29.45, 70.84, -96.16
CIELCh	29, 119.437, 306.377
Yxy	6.0151, 0.1555, 0.0648
Android (android.graphics.Color)	4280290018 (0xFF200AE2)
YUV	41.2020, 91.1054, -8.0702
Hunter-Lab	24.5258, 62.1143, -157.7394

# Details

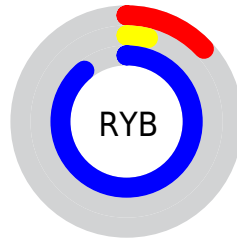
The Hex color **200AE2** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **CCE20A**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **7848FF**, and **0000A9** is the 20% darker color. If you saturate the color by 10%, you get **1700E2**, and if you desaturate by 10%, it is **3421E2**.

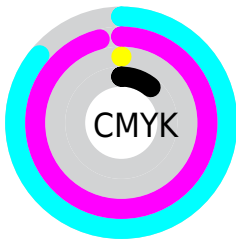
# Distribution



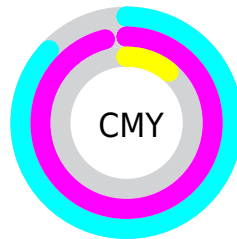
- Red (13%)
- Green (4%)
- Blue (89%)



- Red (13%)
- Yellow (4%)
- Blue (89%)



- Cyan (86%)
- Magenta (96%)
- Yellow (0%)
- Black (11%)



- Cyan (87%)
- Magenta (96%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 200AE2 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 200AE2 by changing the saturation by 10% instead.



 200AE2

 200AE2

FFFFFF

 0000C5

 7848FF

 0000A9

 9A63FF

 00008D

 BA7EFF

 000272

 DA99FF

 000D59

 FBB5FF

 000740

 FFD2FF

 000329

 FFEFFF

 000113

 000000

■ 200AE2

■ 200AE2

■ 1700E2

■ 3421E2

■ 4937E2

■ 5D4EE2

■ 7164E2

■ 857BE2

■ 9A92E2

■ AEA8E2

■ C2BFE2

■ D7D5E2

# Harmonies

## Analogous

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



0054FF



200AE2



B70092

# Triad

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



200AE2



8D1200



005F58

# Complementary

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



200AE2



CCE20A

# 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



200AE2



444A00

# Square

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



200AE2



BF0000



005800



0063B6

# Rectangle

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



200AE2



D10056



005800



005E38



# Sweetspot

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



200AE2



BDB5FF



0ACCE2



575380



000000



808080



# Same Dimension

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



200AE2



1A00FF



8C0AE2



666570



1200B0



050030



# Inverse Universe

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



E20ACC



FF00E5



60E20A



70656F



B0009E

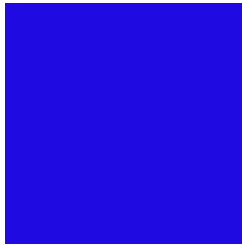


30002C



# Previews

## White Background



This preview shows how the Hex color 200AE2 looks on a white background.

## Color Contrast Check

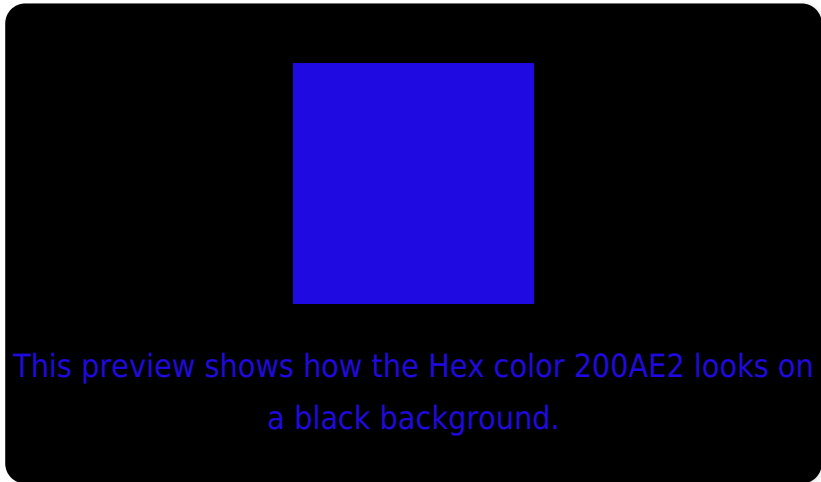
Large Text (above 18pt) WCAG AA ✓ Pass

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

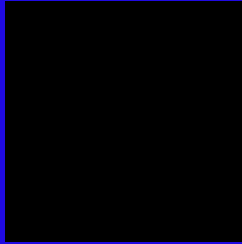
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 200AE2 Background



This preview shows how black text looks on a background with the Hex color 200AE2.



This preview shows how white text looks on a background with the Hex color 200AE2.

# 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**  
200AE2

**Protanopia**  
00448E

**Deuteranopia**  
004878



**Tritanopia**  
004E51

# Trichromacy



**Original Color**  
200AE2

**Protanomaly**  
0C2FAD

**Deuteranomaly**  
0C319F

**Tritanomaly**  
0C3586

# Monochromacy



**Original Color**  
200AE2

**Achromatopsia**  
292929

**Achromatomaly**  
261E6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 200AE2 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 #200AE2 looks like.

```
.text, #text, p{  
    color:#200AE2  
}
```

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 #200AE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #200AE2
}
```

## Border

The CSS property to change the border of an element to Hex 200AE2 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".

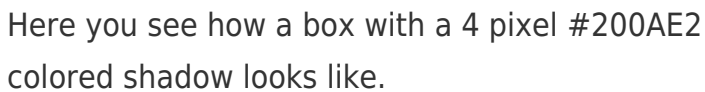
```
.border, #border, table{ border:4px solid
#200AE2 }
```

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

```
.border{ border-color:#200AE2 }
```

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

Here you see how a box with a 4 pixel #200AE2 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #200AE2; -webkit-box-shadow:4px 4px  
4px 4px #200AE2; box-shadow:4px 4px 4px  
4px #200AE2 }
```

# Background

The CSS property to change the background color of an element to Hex 200AE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#200AE2 }
```

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

```
.background{ background-color:#200AE2 }
```

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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