

# Converting Colors

Hex(210AA9)

Have a look what the booklet for  
Hex(210AA9) contains.

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# Color

**Hex(210AA9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	210AA9
RGB	33, 10, 169
RGB Percent	13%, 4%, 66%
CMY	0.8706, 0.9608, 0.3373
CMYK	0.80, 0.94, 0.00, 0.34
HSL	249°, 89%, 35%
HSV	249°, 94%, 66%
XYZ	7.8972, 3.4050, 37.7771
YIQ	35.0030, -37.3310, 54.3250

# Conversions

## Conversions Part 2

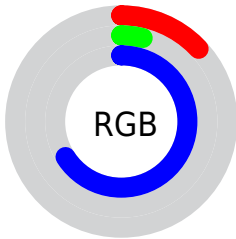
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 10, 169
Decimal	2165417
CIE <sub>Lab</sub>	21.60, 56.12, -75.71
CIE <sub>LCh</sub>	22, 94.243, 306.547
Yxy	3.4050, 0.1609, 0.0694
Android (android.graphics.Color)	4280355497 (0xFF210AA9)
YUV	35.0030, 66.0605, -1.7566
Hunter-Lab	18.4526, 44.1007, -108.4647

# Details

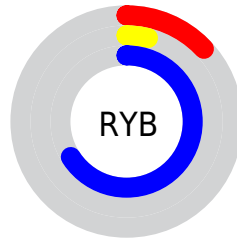
The Hex color **210AA9** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **92A90A**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **6A41E2**, and **000073** is the 20% darker color. If you saturate the color by 10%, you get **1800A9**, and if you desaturate by 10%, it is **2F1BA9**.

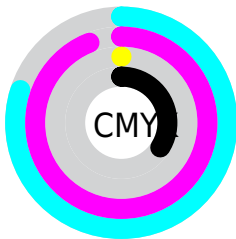
# Distribution



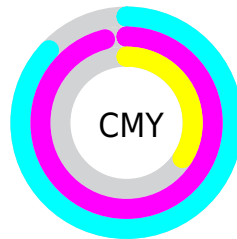
- Red (13%)
- Green (4%)
- Blue (66%)



- Red (13%)
- Yellow (4%)
- Blue (66%)



- Cyan (80%)
- Magenta (94%)
- Yellow (0%)
- Black (34%)



- Cyan (87%)
- Magenta (96%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 210AA9 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 210AA9 by changing the saturation by 10% instead.



■ 210AA9

■ 210AA9

FFFFFF

■ 00008E

■ 6A41E2

■ 000073

■ 885AFF

■ 000059

■ A774FF

■ 000741

■ C58FFF

■ 00032A

■ E3AAFF

■ 000114

■ FFC6FF

■ 000000

■ FFE2FF

■ 210AA9

■ 210AA9

■ 1800A9

■ 2F1BA9

■ 3E2CA9

■ 4C3DA9

■ 5B4EA9

■ 695EA9

■ 786FA9

■ 8680A9

■ 9591A9

■ A3A2A9

# Harmonies

## Analogous

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



003EC6



210AA9



8A006D

# Triad

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



210AA9



6A1000



004942

# Complementary

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



210AA9



92A90A

# 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.



004700



210AA9



333700

# Square

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



210AA9



900000



004200



004B88

# Rectangle

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



210AA9



9D0040



004200



00482A



# Sweetspot

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



210AA9



A79EDB



0A94A9



4E486E



EDEDED



6E6E6E



# Same Dimension

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



210AA9



2000DB



6F0AA9



4D4C54



150094



030014



# Inverse Universe

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



A90A92



DB00BC



44A90A



544C53



94007F

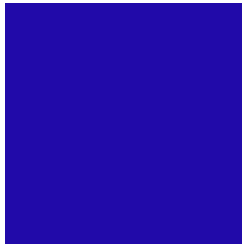


140011



# Previews

## White Background



This preview shows how the Hex color 210AA9 looks on a white background.

## Color Contrast Check

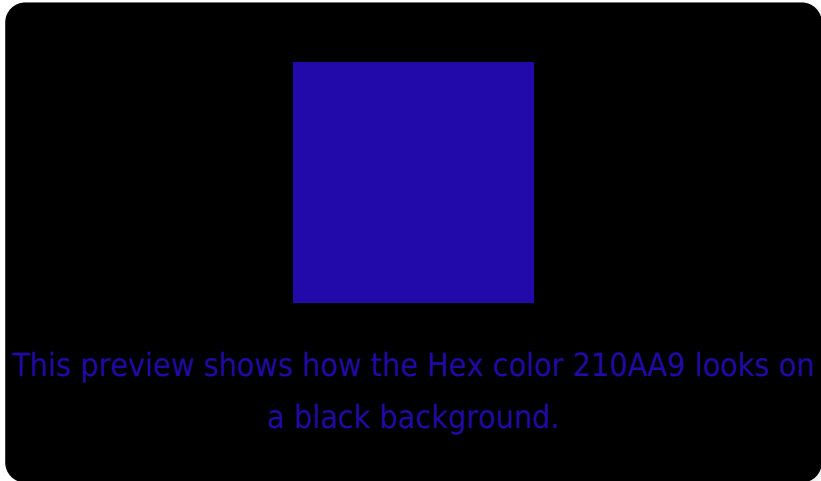
Large Text (above 18pt) WCAG AA ✓ Pass

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

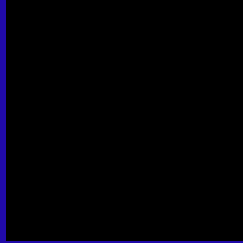
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 210AA9 Background



This preview shows how black text looks on a background with the Hex color 210AA9.



This preview shows how white text looks on a background with the Hex color 210AA9.

# 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**  
210AA9

**Protanopia**  
00346C

**Deuteranopia**  
00375C



**Tritanopia**  
003B3E

# Trichromacy



**Original Color**  
210AA9

**Protanomaly**  
0C2582

**Deuteranomaly**  
0C2778

**Tritanomaly**  
0C2965

# Monochromacy



**Original Color**  
210AA9

**Achromatopsia**  
232323

**Achromatomaly**  
221A54

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 210AA9 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 #210AA9 looks like.

```
.text, #text, p{  
    color:#210AA9  
}
```

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 #210AA9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #210AA9
}
```

## Border

The CSS property to change the border of an element to Hex 210AA9 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".

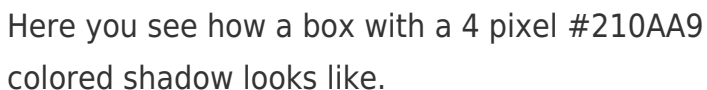
```
.border, #border, table{ border:4px solid
#210AA9 }
```

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

```
.border{ border-color:#210AA9 }
```

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

Here you see how a box with a 4 pixel #210AA9 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 4-pixel offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #210AA9; -webkit-box-shadow:4px 4px  
4px 4px #210AA9; box-shadow:4px 4px 4px  
4px #210AA9 }
```

# Background

The CSS property to change the background color of an element to Hex 210AA9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#210AA9 }
```

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

```
.background{ background-color:#210AA9 }
```

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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