

# Converting Colors

Hex(210B90)

Have a look what the booklet for  
Hex(210B90) contains.

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# Color

**Hex(210B90)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	210B90
RGB	33, 11, 144
RGB Percent	13%, 4%, 56%
CMY	0.8706, 0.9569, 0.4353
CMYK	0.77, 0.92, 0.00, 0.44
HSL	250°, 86%, 30%
HSV	250°, 92%, 56%
XYZ	5.7809, 2.5763, 26.5781
YIQ	32.7400, -29.5810, 46.0270

# Conversions

## Conversions Part 2

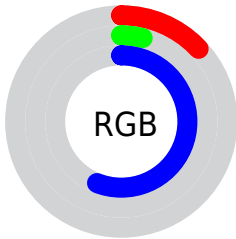
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 11, 144
Decimal	2165648
CIE <sub>Lab</sub>	18.26, 48.96, -65.92
CIE <sub>LCh</sub>	18, 82.115, 306.600
Yxy	2.5763, 0.1655, 0.0737
Android (android.graphics.Color)	4280355728 (0xFF210B90)
YUV	32.7400, 54.8512, 0.2280
Hunter-Lab	16.0508, 36.2001, -86.9411

# Details

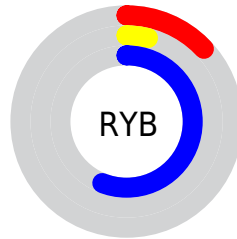
The Hex color **210B90** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **7A900B**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **633EC7**, and **00005C** is the 20% darker color. If you saturate the color by 10%, you get **180090**, and if you desaturate by 10%, it is **2D1990**.

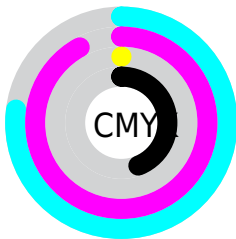
# Distribution



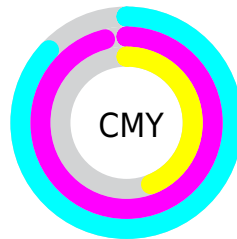
- Red (13%)
- Green (4%)
- Blue (56%)



- Red (13%)
- Yellow (4%)
- Blue (56%)



- Cyan (77%)
- Magenta (92%)
- Yellow (0%)
- Black (44%)



- Cyan (87%)
- Magenta (96%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 210B90 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 210B90 by changing the saturation by 10% instead.



 210B90

 210B90

 FFFAFF

 000076

 633EC7

 00005C

 8057E4

 000743

 9E70FF

 00032C

 BB8BFF


 000116

 D9A5FF

 000000

 F7C1FF

 FFDDFF

 210B90

 210B90

■ 180090

■ 2D1990

■ 392890

■ 453690

■ 514590

■ 5D5390

■ 696190

■ 757090

■ 817E90

■ 8D8D90

# Harmonies

## Analogous

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



0035A9



210B90



76005D

# Triad

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



210B90



5B1000



003F39

# Complementary

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



210B90



7A900B

# 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.



003E00



210B90



2C2F00

# Square

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



210B90



7C0000



003900



004175

# Rectangle

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



210B90



870036



003900



003F24



# Sweetspot

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



210B90



8F86BA



0B7C90



443E5E



DEDEDE



5E5E5E



# Same Dimension

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



210B90



1F00BA



610B90



414047



160087



010008



# Inverse Universe

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



900B7A



BA009B



3A900B



474046



870071

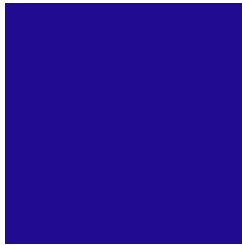


080006



# Previews

## White Background



This preview shows how the Hex color 210B90 looks on a white background.

## Color Contrast Check

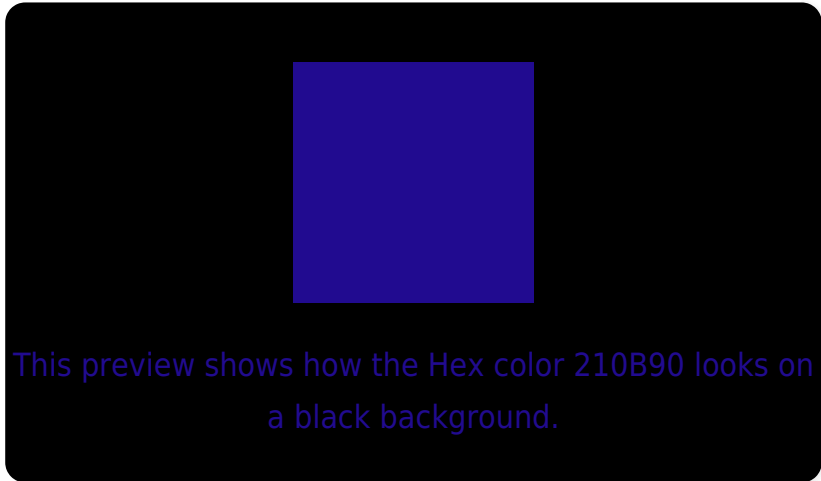
Large Text (above 18pt) WCAG AA ✓ Pass

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

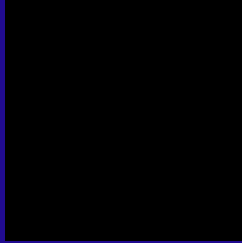
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 210B90 Background



This preview shows how black text looks on a background with the Hex color 210B90.



This preview shows how white text looks on a background with the Hex color 210B90.

# 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**  
210B90

**Protanopia**  
002D5E

**Deuteranopia**  
003050



# Trichromacy



**Original Color**  
210B90

**Protanomaly**  
0C2170

**Deuteranomaly**  
0C2367

**Tritanomaly**  
0C2557

# Monochromacy



**Original Color**  
210B90

**Achromatopsia**  
212121

**Achromatomaly**  
211949

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 210B90 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 #210B90 looks like.

```
.text, #text, p{  
    color:#210B90  
}
```

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 #210B90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #210B90
}
```

## Border

The CSS property to change the border of an element to Hex 210B90 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
#210B90 }
```

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

```
.border{ border-color:#210B90 }
```

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

Here you see how a box with a 4 pixel #210B90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #210B90; -webkit-box-shadow:4px 4px  
4px 4px #210B90; box-shadow:4px 4px 4px  
4px #210B90 }
```

# Background

The CSS property to change the background color of an element to Hex 210B90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#210B90 }
```

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

```
.background{ background-color:#210B90 }
```

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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