

# Converting Colors

Hex(3117A2)

Have a look what the booklet for  
Hex(3117A2) contains.

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# Color

**Hex(3117A2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3117A2
RGB	49, 23, 162
RGB Percent	19%, 9%, 64%
CMY	0.8078, 0.9098, 0.3647
CMYK	0.70, 0.86, 0.00, 0.36
HSL	251°, 75%, 36%
HSV	251°, 86%, 64%
XYZ	8.0946, 3.8744, 34.5036
YIQ	46.6200, -29.1230, 48.7410

# Conversions

## Conversions Part 2

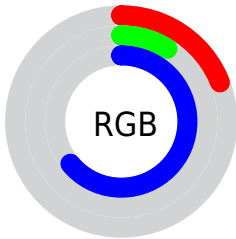
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	49, 23, 162
Decimal	3217314
CIE Lab	23.25, 50.79, -68.68
CIE LCh	23, 85.421, 306.487
Yxy	3.8744, 0.1742, 0.0834
Android (android.graphics.Color)	4281407394 (0xFF3117A2)
YUV	46.6200, 56.8823, 2.0873
Hunter-Lab	19.6835, 38.9600, -90.1523

# Details

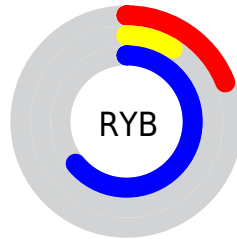
The Hex color **3117A2** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **88A217**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **7149DA**, and **00006D** is the 20% darker color. If you saturate the color by 10%, you get **2407A2**, and if you desaturate by 10%, it is **3E27A2**.

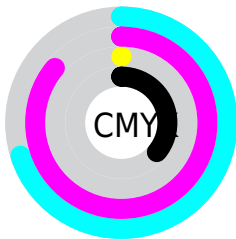
# Distribution



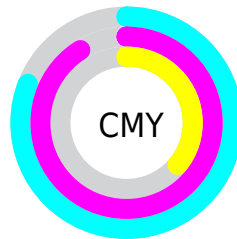
- Red (19%)
- Green (9%)
- Blue (64%)



- Red (19%)
- Yellow (9%)
- Blue (64%)



- Cyan (70%)
- Magenta (86%)
- Yellow (0%)
- Black (36%)



- Cyan (81%)
- Magenta (91%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3117A2 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 3117A2 by changing the saturation by 10% instead.





3117A2



3117A2

FFFFFF



000087



7149DA



00006D



8E62F7



000053



AC7CFF



00063B



C997FF



000225



E7B2FF



00010D



FFCEFF



000000



FFEBFF



3117A2



3117A2

■ 2407A2

■ 3E27A2

■ 1E00A2

■ 4B37A2

■ 5948A2

■ 6658A2

■ 7368A2

■ 8078A2

■ 8D88A2

■ 9A99A2

■ A8A9A2

# Harmonies

## Analogous

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



0040BC



3117A2



87006C

# Triad

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



3117A2



6B1B00



004C45

# Complementary

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



3117A2



88A217

# 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.



004A00



3117A2



393A00

# Square

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



3117A2



8E0000



004600



004D84

# Rectangle

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



3117A2



990042



004600



004B2E



# Sweetspot

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



3117A2



A79DD4



1789A2



504A6B



EBEBEB



6B6B6B



# Same Dimension

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



3117A2



2800D4



7617A2



4B4952



1B0091



030012



# Inverse Universe

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



A21788



D400AC



43A217



524950



910076

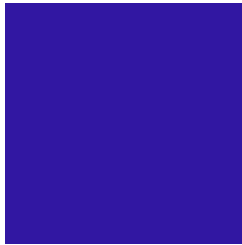


12000F



# Previews

## White Background



This preview shows how the Hex color 3117A2 looks on a white background.

## Color Contrast Check

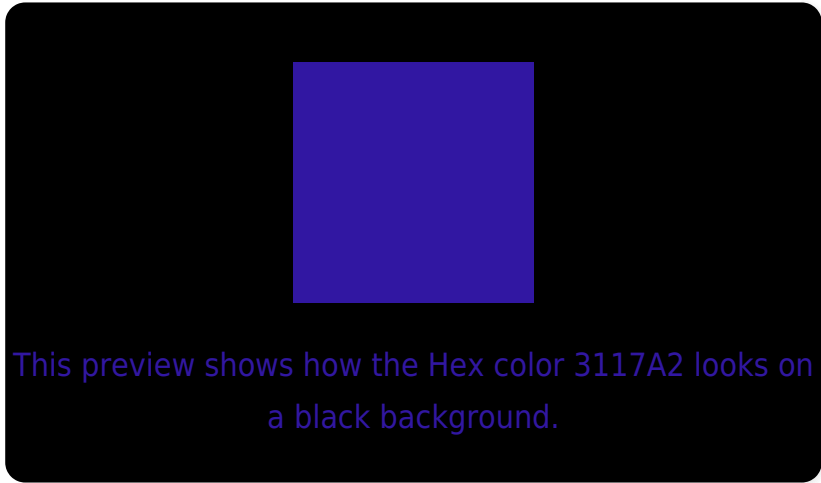
Large Text (above 18pt) WCAG AA ✓ Pass

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

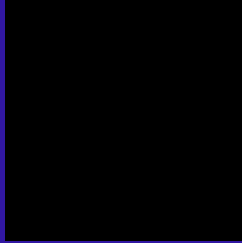
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3117A2 Background



This preview shows how black text looks on a background with the Hex color 3117A2.



This preview shows how white text looks on a background with the Hex color 3117A2.

# 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**  
3117A2

**Protanopia**  
003672

**Deuteranopia**  
003A61



**Tritanopia**  
003F42

# Trichromacy



**Original Color**  
3117A2

**Protanomaly**  
122B83

**Deuteranomaly**  
122D79

**Tritanomaly**  
123065

# Monochromacy



**Original Color**  
3117A2

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
302659

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3117A2 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 #3117A2 looks like.

```
.text, #text, p{  
    color:#3117A2  
}
```

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 #3117A2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3117A2
}
```

## Border

The CSS property to change the border of an element to Hex 3117A2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

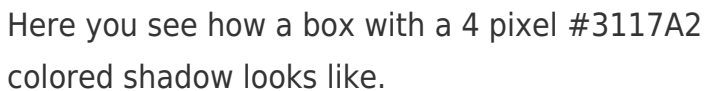
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3117A2 }
```

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

```
.border{ border-color:#3117A2 }
```

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



Here you see how a box with a 4 pixel #3117A2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3117A2; -webkit-box-shadow:4px 4px  
4px 4px #3117A2; box-shadow:4px 4px 4px  
4px #3117A2 }
```

# Background

The CSS property to change the background color of an element to Hex 3117A2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3117A2 }
```

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

```
.background{ background-color:#3117A2 }
```

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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