

# Converting Colors

Hex(3105B9)

Have a look what the booklet for  
Hex(3105B9) contains.

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# Color

**Hex(3105B9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3105B9
RGB	49, 5, 185
RGB Percent	19%, 2%, 73%
CMY	0.8078, 0.9804, 0.2745
CMYK	0.74, 0.97, 0.00, 0.27
HSL	255°, 95%, 37%
HSV	255°, 97%, 73%
XYZ	10.0778, 4.2643, 46.1909
YIQ	38.6760, -31.5560, 65.3080

# Conversions

## Conversions Part 2

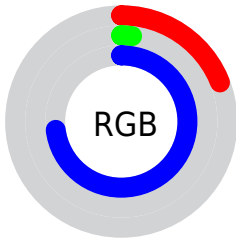
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 5, 185
Decimal	3212729
CIE <sub>Lab</sub>	24.53, 61.97, -80.40
CIE <sub>LCh</sub>	25, 101.514, 307.622
Yxy	4.2643, 0.1665, 0.0704
Android (android.graphics.Color)	4281402809 (0xFF3105B9)
YUV	38.6760, 72.1377, 9.0541
Hunter-Lab	20.6502, 50.9752, -118.1664




# Details

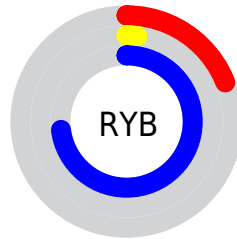
The Hex color **3105B9** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **8DB905**, and the grayscale version is **262626**.




A 20% lighter version of the original color is **7742F3**, and **000082** is the 20% darker color. If you saturate the color by 10%, you get **2D00B9**, and if you desaturate by 10%, it is **3F18B9**.

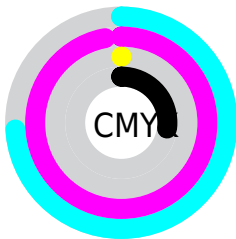
# Distribution







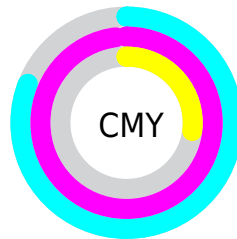
-  Red (19%)
-  Green (2%)
-  Blue (73%)






-  Red (19%)
-  Yellow (2%)
-  Blue (73%)



-  Cyan (74%)
-  Magenta (97%)
-  Yellow (0%)
-  Black (27%)




-  Cyan (81%)
-  Magenta (98%)
-  Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 3105B9 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 3105B9 by changing the saturation by 10% instead.



 3105B9

 3105B9

FFFFFF

 00009D

 7742F3

 000082

 965CFF

 000068

 B476FF

 000A4F

 D391FF

 000537

 F2ADFF

 000220


 FFC9FF

 000005

 FFE6FF

 000000

 3105B9

 3105B9

■ 2D00B9

■ 3F18B9

■ 4D2AB9

■ 5B3DB9

■ 694FB9

■ 7762B9

■ 8574B9

■ 9387B9

■ A199B9

■ AFACB9

# Harmonies

## Analogous

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



0045DB



3105B9



9A0077

# Triad

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



3105B9



741700



00514D

# Complementary

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



3105B9



8DB905

# 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.



004F00



3105B9



373F00

# Square

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



3105B9



9E0000



004B00



00539A

# Rectangle

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



3105B9



AE0045



004B00



005032



# Sweetspot

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



3105B9



BBAAF0



058FB9



584E78



F7F7F7



787878



# Same Dimension

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



3105B9



3B00F0



8905B9



55535C



26009C



07001C



# Inverse Universe

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



B9058D



F000B5



35B905



5C535A



9C0076

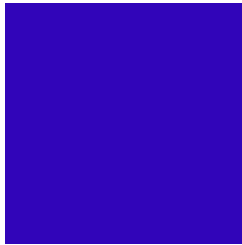


1C0015



# Previews

## White Background



This preview shows how the Hex color 3105B9 looks on a white background.

## Color Contrast Check

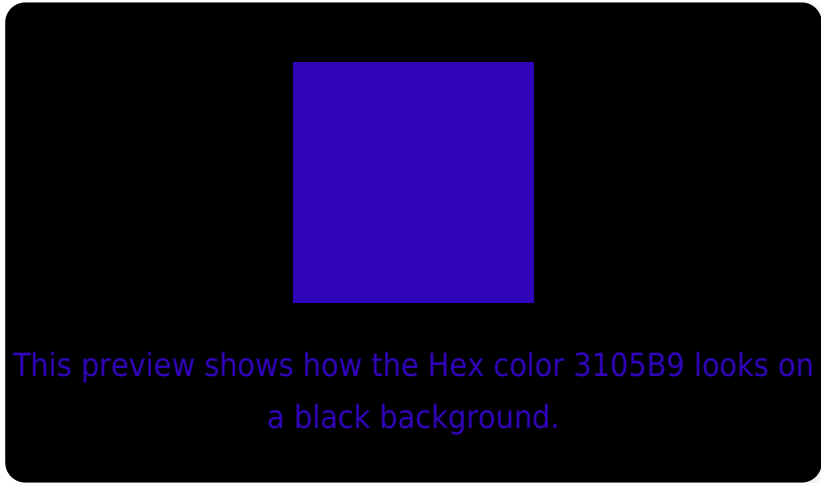
Large Text (above 18pt) WCAG AA ✓ Pass

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

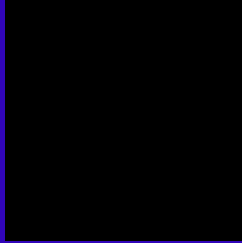
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3105B9 Background



This preview shows how black text looks on a background with the Hex color 3105B9.



This preview shows how white text looks on a background with the Hex color 3105B9.

# 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**  
3105B9

**Protanopia**  
003A7A

**Tritanopia**  
004346

# Trichromacy



**Original Color**  
3105B9

**Protanomaly**  
122791

**Tritanomaly**  
122C70

# Monochromacy



**Original Color**  
3105B9

**Achromatopsia**  
272727

**Achromatomaly**  
2B1B5C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3105B9 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 #3105B9 looks like.

```
.text, #text, p{  
    color:#3105B9  
}
```

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 #3105B9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3105B9
}
```

## Border

The CSS property to change the border of an element to Hex 3105B9 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
#3105B9 }
```

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

```
.border{ border-color:#3105B9 }
```

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

Here you see how a box with a 4 pixel #3105B9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3105B9; -webkit-box-shadow:4px 4px  
4px 4px #3105B9; box-shadow:4px 4px 4px  
4px #3105B9 }
```

# Background

The CSS property to change the background color of an element to Hex 3105B9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3105B9 }
```

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

```
.background{ background-color:#3105B9 }
```

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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