

Converting Colors

Hex(3105BB)

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

Hex(3105BB)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(3105BB)

Conversions

Conversions Part 1

Format	Color
Hex	3105BB
RGB	49, 5, 187
RGB Percent	19%, 2%, 73%
CMY	0.8078, 0.9804, 0.2667
CMYK	0.74, 0.97, 0.00, 0.27
HSL	255°, 95%, 38%
HSV	255°, 97%, 73%
XYZ	10.2905, 4.3494, 47.3108
YIQ	38.9040, -32.1980, 65.9300

Conversions

Conversions Part 2

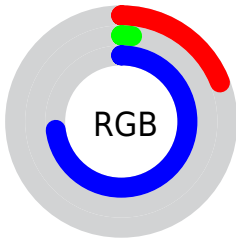
Format	Color
R _Y B	49, 5, 187
Decimal	3212731
CIE Lab	24.79, 62.47, -81.15
CIE LCh	25, 102.408, 307.590
Yxy	4.3494, 0.1661, 0.0702
Android (android.graphics.Color)	4281402811 (0xFF3105BB)
YUV	38.9040, 73.0113, 8.8542
Hunter-Lab	20.8551, 51.5807, -119.9036

Details

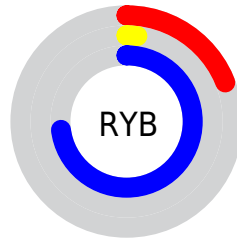
The Hex color **3105BB** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **8FBB05**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **7742F5**, and **000084** is the 20% darker color. If you saturate the color by 10%, you get **2D00BB**, and if you desaturate by 10%, it is **3F18BB**.

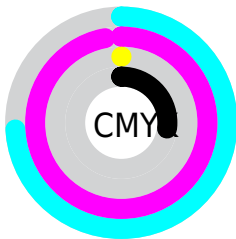
Distribution



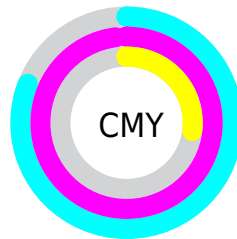
- Red (19%)
- Green (2%)
- Blue (73%)



- 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 3105BB 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 3105BB by changing the saturation by 10% instead.

 3105BB

 3105BB

FFFFFF

 00009F

 7742F5

 000084

 965CFF

 00006A

 B577FF

 000A50

 D392FF

 000538

 F2ADFF

 000222

 FFCAFF

 000008

 FFE6FF

 000000

 3105BB

 3105BB

■ 2D00BB

■ 3F18BB

■ 4D2ABB

■ 5C3DBB

■ 6A50BB

■ 7863BB

■ 8675BB

■ 9488BB

■ A29BBB

■ B1ADBB

Harmonies

Analogous

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



0045DD



3105BB



9C0078

Triad

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



3105BB



751700



00524E

Complementary

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



3105BB



8FBB05

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



3105BB



373F00

Square

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



3105BB



A00000



004B00



00549B

Rectangle

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



3105BB



B00045



004B00



005133

Sweetspot

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



3105BB



BDACF2



0591BB



5A507A



FAFAFA



7A7A7A

Same Dimension

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



3105BB



3B00F2



8A05BB



57555E



26009E



07001F

Inverse Universe

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



BB058F



F200B8



36BB05



5E555C



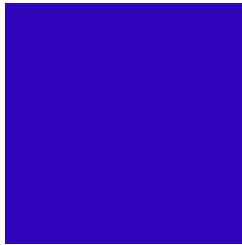
9E0078



1F0017

Previews

White Background



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

Color Contrast Check

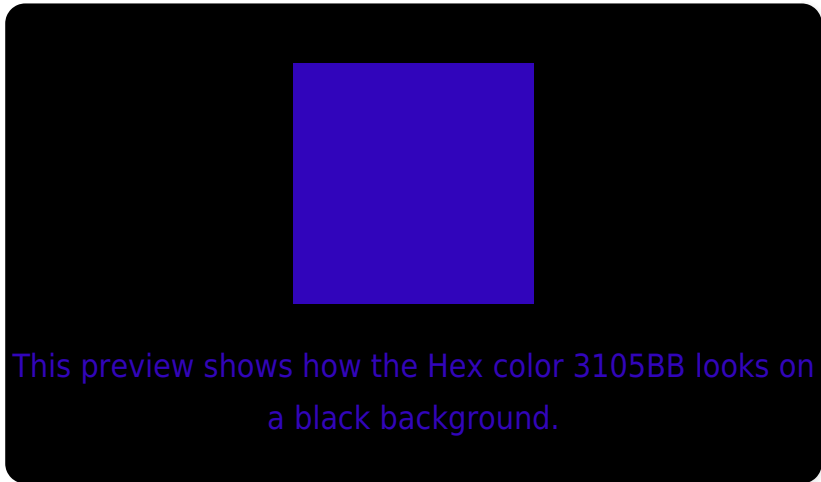
Large Text (above 18pt) WCAG AA ✓ Pass

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

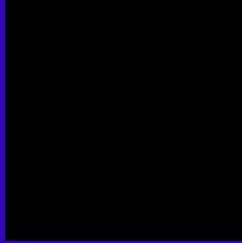
Any Text WCAG AA × Fail

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 3105BB Background



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



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

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
3105BB

Protanopia
003B7B

Deuteranopia
003F68

Trichromacy



Original Color
3105BB

Protanomaly
122792

Deuteranomaly
122A86

Tritanomaly
122C71

Monochromacy



Original Color
3105BB

Achromatopsia
272727

Achromatomaly
2B1B5D

CSS Examples

Text

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

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

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 #3105BB colored shadow looks like.

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

Border

The CSS property to change the border of an element to Hex 3105BB 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".

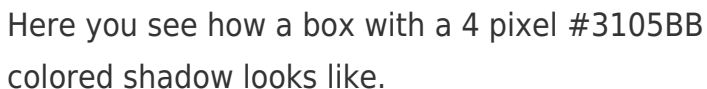
```
.border, #border, table{ border:4px solid
#3105BB }
```

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

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

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

Here you see how a box with a 4 pixel #3105BB 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 #3105BB; -webkit-box-shadow:4px 4px  
4px 4px #3105BB; box-shadow:4px 4px 4px  
4px #3105BB }
```

Background

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

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor