

# Converting Colors

Hex(3700C8)

Have a look what the booklet for  
Hex(3700C8) contains.

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# Color

**Hex(3700C8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3700C8
RGB	55, 0, 200
RGB Percent	22%, 0%, 78%
CMY	0.7843, 1.0000, 0.2157
CMYK	0.72, 1.00, 0.00, 0.22
HSL	256°, 100%, 39%
HSV	256°, 100%, 78%
XYZ	12.0009, 4.9824, 54.9728
YIQ	39.2450, -31.4200, 73.8600

# Conversions

## Conversions Part 2

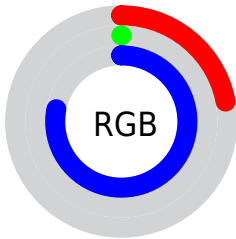
Format	Color
R <sub>YB</sub>	55, 0, 200
Decimal	3604680
CIE Lab	26.68, 66.85, -85.66
CIE LCh	27, 108.661, 307.970
Yxy	4.9824, 0.1668, 0.0692
Android (android.graphics.Color)	4281794760 (0xFF3700C8)
YUV	39.2450, 79.2522, 13.8171
Hunter-Lab	22.3212, 56.9075, -130.3949

# Details

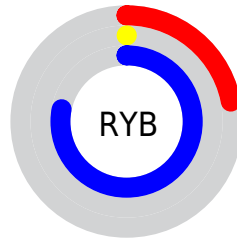
The Hex color **3700C8** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **91C800**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **7E42FF**, and **000090** is the 20% darker color. If you saturate the color by 10%, you get **3700C8**, and if you desaturate by 10%, it is **4614C8**.

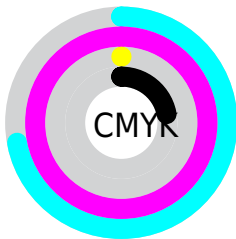
# Distribution



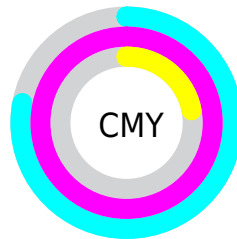
- Red (22%)
- Green (0%)
- Blue (78%)



- Red (22%)
- Yellow (0%)
- Blue (78%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)



- Cyan (78%)
- Magenta (100%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3700C8 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 3700C8 by changing the saturation by 10% instead.



 3700C8

 3700C8

FFFFFF

 0000AC

 7E42FF

 000090

 9D5DFF

 000076

 BC78FF

 00065C

 DB93FF

 000743

 FBAFFF

 00032C

 FFCBFF

 000116

 FFE8FF

 000000

 3700C8

 4614C8

 5428C8

 633CC8

 7150C8

 8064C8

 8E78C8

 9D8CC8

 ABA0C8

 BAB4C8

# Harmonies

## Analogous

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



004AED



3700C8



A80080

# Triad

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



3700C8



7C1900



005755

# Complementary

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



3700C8



91C800

# 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.



005500



3700C8



3A4400

# Square

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



3700C8



AB0000



005100



005AA7

# Rectangle

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



3700C8



BD0049



005100



005637



# Sweetspot

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



3700C8



C8B3FF



0093C8



5E5280



000000



808080



# Same Dimension

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



3700C8



4600FF



9900C8



5C5A63



2D00A3



0A0024



# Inverse Universe

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



C80091



FF00B9



2FC800



635A61



A30076

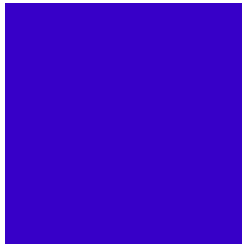


24001A



# Previews

## White Background



This preview shows how the Hex color 3700C8 looks on a white background.

## Color Contrast Check

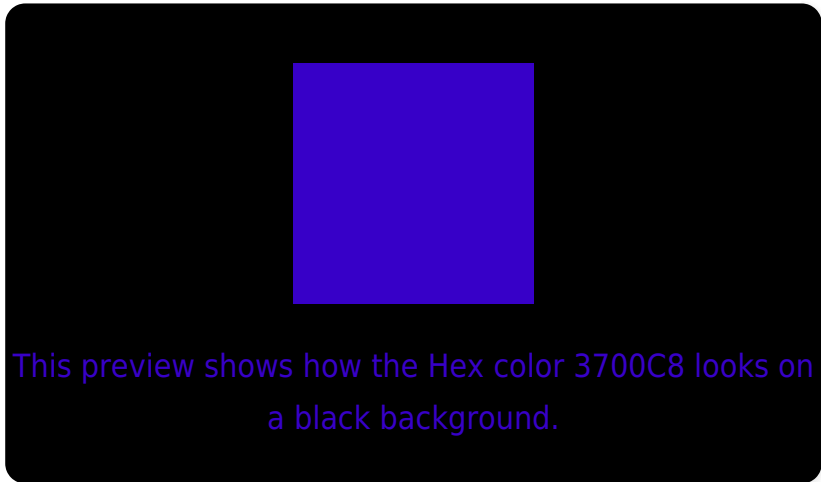
Large Text (above 18pt) WCAG AA ✓ Pass

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

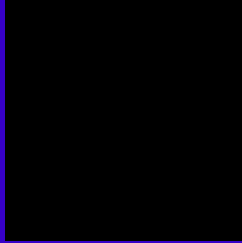
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3700C8 Background



This preview shows how black text looks on a background with the Hex color 3700C8.



This preview shows how white text looks on a background with the Hex color 3700C8.

# 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**  
3700C8

**Protanopia**  
003F84

**Deuteranopia**  
004370



**Tritanopia**  
00484C

# Trichromacy



**Original Color**  
3700C8

**Protanomaly**  
14289D

**Deuteranomaly**  
142B90

**Tritanomaly**  
142E79

# Monochromacy



**Original Color**  
3700C8

**Achromatopsia**  
272727

**Achromatomaly**  
2D1962

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3700C8 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 #3700C8 looks like.

```
.text, #text, p{  
    color:#3700C8  
}
```

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 #3700C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3700C8
}
```

## Border

The CSS property to change the border of an element to Hex 3700C8 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".

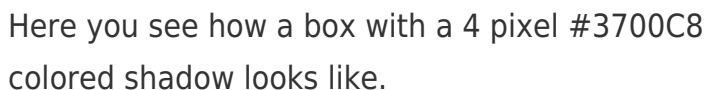
```
.border, #border, table{ border:4px solid
#3700C8 }
```

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

```
.border{ border-color:#3700C8 }
```

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

Here you see how a box with a 4 pixel #3700C8 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 #3700C8; -webkit-box-shadow:4px 4px  
4px 4px #3700C8; box-shadow:4px 4px 4px  
4px #3700C8 }
```

# Background

The CSS property to change the background color of an element to Hex 3700C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3700C8 }
```

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

```
.background{ background-color:#3700C8 }
```

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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