

Converting Colors

Hex(6B00B2)

Have a look what the booklet for
Hex(6B00B2) contains.

Hex(6B00B2)	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(6B00B2)

Conversions

Conversions Part 1

Format	Color
Hex	6B00B2
RGB	107, 0, 178
RGB Percent	42%, 0%, 70%
CMY	0.5804, 1.0000, 0.3020
CMYK	0.40, 1.00, 0.00, 0.30
HSL	276°, 100%, 35%
HSV	276°, 100%, 70%
XYZ	14.0993, 6.3402, 42.6001
YIQ	52.2850, 6.6340, 78.0420

Conversions

Conversions Part 2

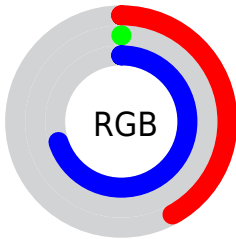
Format	Color
RYB	107, 0, 178
Decimal	7012530
CIELab	30.25, 65.31, -66.53
CIElCh	30, 93.225, 314.469
Yxy	6.3402, 0.2237, 0.1006
Android (android.graphics.Color)	4285202610 (0xFF6B00B2)
YUV	52.2850, 61.9775, 47.9851
Hunter-Lab	25.1797, 55.8862, -82.6839

Details

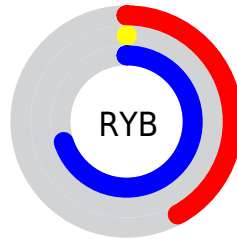
The Hex color **6B00B2** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **47B200**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **A548EB**, and **2E007C** is the 20% darker color. If you saturate the color by 10%, you get **6B00B2**, and if you desaturate by 10%, it is **7212B2**.

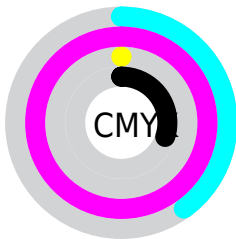
Distribution



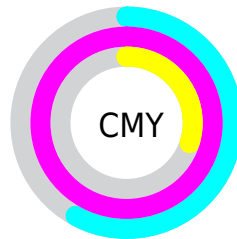
- Red (42%)
- Green (0%)
- Blue (70%)



- Red (42%)
- Yellow (0%)
- Blue (70%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (58%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Hex color 6B00B2 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 6B00B2 by changing the saturation by 10% instead.

 6B00B2

 6B00B2

FFFFFF

 4E0097

 A548EB

 2E007C

 C364FF

 0B0062

 E07FFF

 000049

 FF9BFF

 000431

 FFB7FF

 00011C

 FFD4FF

 000000

 FFF1FF

 6B00B2

 7212B2

 7924B2

 8035B2

 8747B2

 8F59B2

 966BB2

 9D7DB2

 A48EB2

 ABA0B2

Harmonies

Analogous

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



0048DA



6B00B2



AE0070

Triad

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



6B00B2



763500



005F6A

Complementary

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



6B00B2



47B200

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.



005D1B



6B00B2



364F00

Square

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



6B00B2



A30000



005A00



0061AF

Rectangle

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



6B00B2



BA0041



005A00



005F51

Sweetspot

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



6B00B2



CCA2E8



0047B2



644B75



F5F5F5



757575

Same Dimension

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



6B00B2



8B00E8



B200A0



565059



5C0099



0F001A

Inverse Universe

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



B20047



E8005D



00B212



595054



99003D



1A000A

Previews

White Background



This preview shows how the Hex color 6B00B2 looks on a white background.

Color Contrast Check

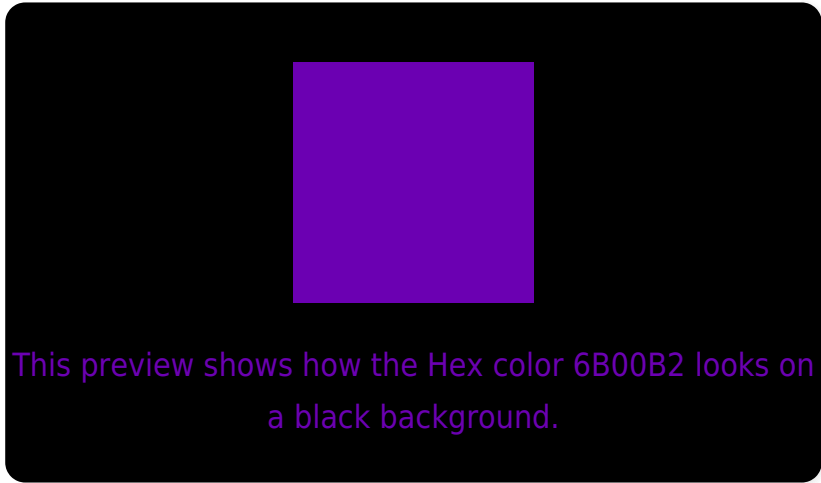
Large Text (above 18pt) WCAG AA ✓ Pass

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

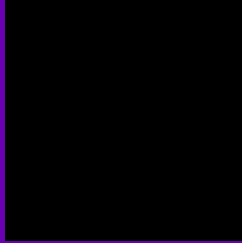
Any Text WCAG AA × Fail

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 6B00B2 Background



This preview shows how black text looks on a background with the Hex color 6B00B2.



This preview shows how white text looks on a background with the Hex color 6B00B2.

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
6B00B2

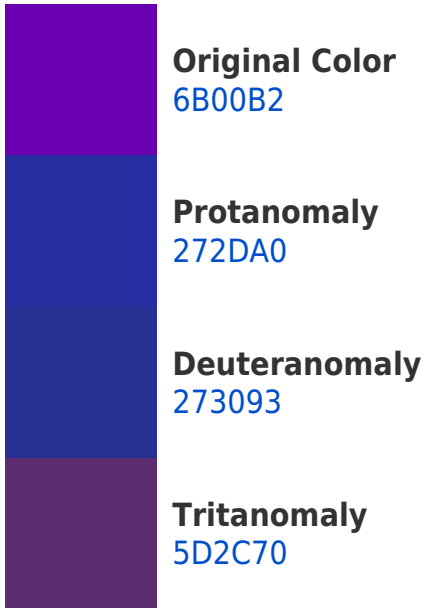
Protanopia
004796

Deuteranopia
004C81

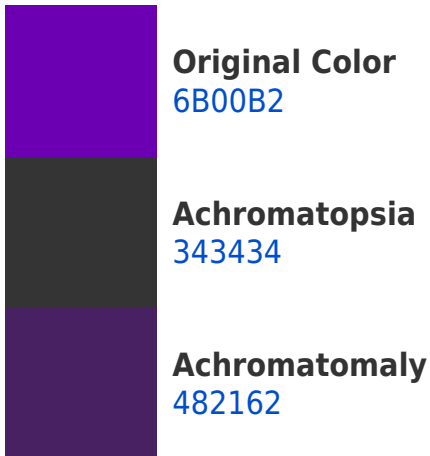


Tritanopia
55454B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 6B00B2 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 #6B00B2 looks like.

```
.text, #text, p{  
    color:#6B00B2  
}
```

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 #6B00B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B00B2
}
```

Border

The CSS property to change the border of an element to Hex 6B00B2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

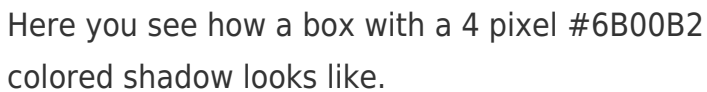
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6B00B2 }
```

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

```
.border{ border-color:#6B00B2 }
```

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



Here you see how a box with a 4 pixel #6B00B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B00B2; -webkit-box-shadow:4px 4px  
4px 4px #6B00B2; box-shadow:4px 4px 4px  
4px #6B00B2 }
```

Background

The CSS property to change the background color of an element to Hex 6B00B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B00B2 }
```

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

```
.background{ background-color:#6B00B2 }
```

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