

# Converting Colors

Hex(6407B2)

Have a look what the booklet for  
Hex(6407B2) contains.

|  |    |
|--|----|
| <b>Hex(6407B2)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

**Color**

**Hex(6407B2)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>             |
|---------------|--------------------------|
| Hex           | 6407B2                   |
| RGB           | 100, 7, 178              |
| RGB Percent   | 39%, 3%, 70%             |
| CMY           | 0.6078, 0.9725, 0.3020   |
| CMYK          | 0.44, 0.96, 0.00, 0.30   |
| HSL           | 273°, 92%, 36%           |
| HSV           | 273°, 96%, 70%           |
| XYZ           | 13.3674, 6.0756, 42.5877 |
| YIQ           | 54.3010, 0.5370, 72.8970 |

# Conversions

## Conversions Part 2

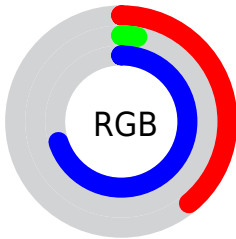
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 100, 7, 178                   |
| Decimal                             | 6555570                       |
| CIE <sub>Lab</sub>                  | 29.60, 63.46, -67.64          |
| CIE <sub>LCh</sub>                  | 30, 92.746, 313.173           |
| Yxy                                 | 6.0756, 0.2155,<br>0.0979     |
| Android<br>(android.graphics.Color) | 4284745650<br>(0xFF6407B2)    |
| YUV                                 | 54.3010, 60.9836,<br>40.0780  |
| Hunter-Lab                          | 24.6488, 53.6676,<br>-85.1858 |

# Details

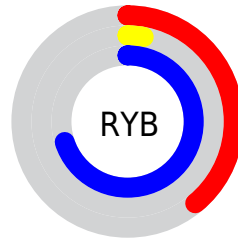
The Hex color **6407B2** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **55B207**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **9E49EB**, and **25007C** is the 20% darker color. If you saturate the color by 10%, you get **6100B2**, and if you desaturate by 10%, it is **6C19B2**.

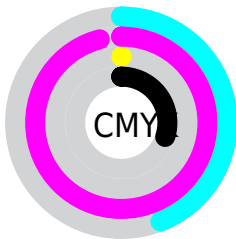
# Distribution



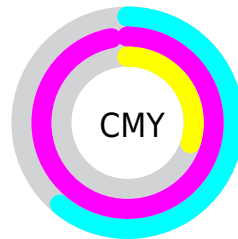
- Red (39%)
- Green (3%)
- Blue (70%)



- Red (39%)
- Yellow (3%)
- Blue (70%)



- Cyan (44%)
- Magenta (96%)
- Yellow (0%)
- Black (30%)



- Cyan (61%)
- Magenta (97%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6407B2 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 6407B2 by changing the saturation by 10% instead.



6407B2

6407B2

FFFFFF

460097

9E49EB

25007C

BC64FF

000062

DA80FF

000049

F89BFF

000431

FFB7FF

00011C

FFD4FF

000000

FFF1FF

6407B2

6407B2

6100B2

6C19B2

742BB2

7C3CB2

844EB2

8D60B2

9572B2

9D84B2

A595B2

ADA7B2

# Harmonies

## Analogous

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



0048D8



6407B2



AA0071

# Triad

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



6407B2



763200



005E65

# Complementary

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



6407B2



55B207

# 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.



005B16



6407B2



384D00

# Square

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



6407B2



A20000



005800



005FAA

# Rectangle

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



6407B2



B70042



005800



005D4C



# Sweetspot

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



6407B2



C9A5E8



0757B2



634C75



F5F5F5



757575



# Same Dimension

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



6407B2



7E00E8



B207AC



555059



530099



0E001A



# Inverse Universe

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



B20755



E8006A



07B20D



595054



990046

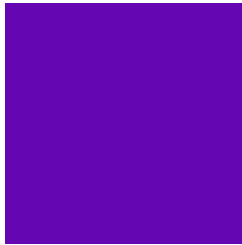


1A000C



# Previews

## White Background



This preview shows how the Hex color 6407B2 looks on a white background.

## Color Contrast Check

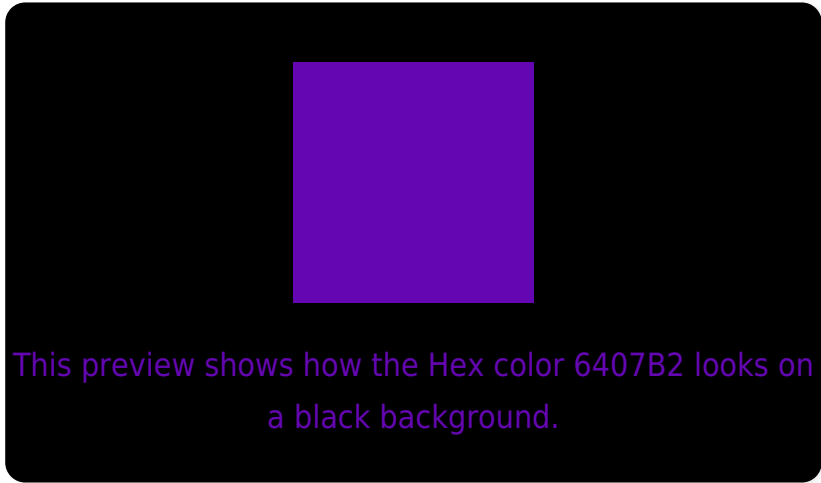
Large Text (above 18pt) WCAG AA ✓ Pass

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

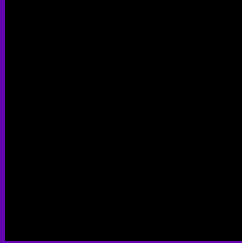
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6407B2 Background



This preview shows how black text looks on a background with the Hex color 6407B2.

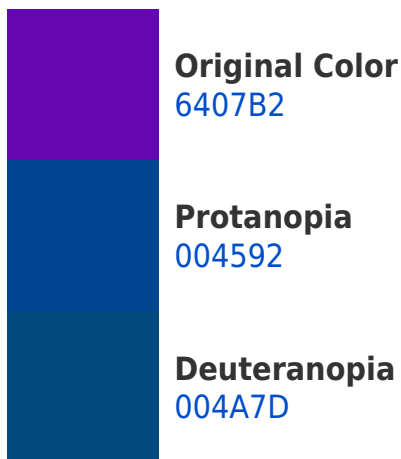


This preview shows how white text looks on a background with the Hex color 6407B2.

# 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





**Tritanopia**  
4C464B

# Trichromacy



**Original Color**  
6407B2



**Protanomaly**  
242E9E



**Deuteranomaly**  
243290



**Tritanomaly**  
552F70

# Monochromacy



**Original Color**  
6407B2



**Achromatopsia**  
363636



**Achromatomaly**  
472563

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6407B2 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 #6407B2 looks like.

```
.text, #text, p{  
    color:#6407B2  
}
```

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 #6407B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6407B2
}
```

## Border

The CSS property to change the border of an element to Hex 6407B2 is called "border". The border property can be set on classes, ids or directly on the HTML element.

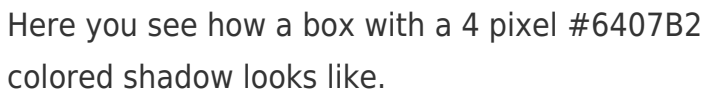
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6407B2 }
```

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

```
.border{ border-color:#6407B2 }
```

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



Here you see how a box with a 4 pixel #6407B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6407B2; -webkit-box-shadow:4px 4px  
4px 4px #6407B2; box-shadow:4px 4px 4px  
4px #6407B2 }
```

# Background

The CSS property to change the background color of an element to Hex 6407B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6407B2 }
```

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

```
.background{ background-color:#6407B2 }
```

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