

# Converting Colors

Hex(6B3178)

Have a look what the booklet for  
Hex(6B3178) contains.

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# Color

**Hex(6B3178)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6B3178
RGB	107, 49, 120
RGB Percent	42%, 19%, 47%
CMY	0.5804, 0.8078, 0.5294
CMYK	0.11, 0.59, 0.00, 0.53
HSL	289°, 42%, 33%
HSV	289°, 59%, 47%
XYZ	10.5519, 6.6785, 18.5022
YIQ	74.4360, 11.7770, 34.3770

# Conversions

## Conversions Part 2

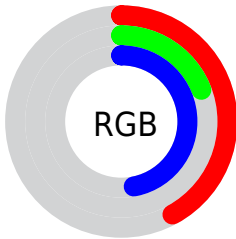
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	107, 49, 120
Decimal	7025016
CIE <sub>Lab</sub>	31.06, 37.45, -29.63
CIE <sub>LCh</sub>	31, 47.754, 321.644
Yxy	6.6785, 0.2953, 0.1869
Android (android.graphics.Color)	4285215096 (0xFF6B3178)
YUV	74.4360, 22.4631, 28.5586
Hunter-Lab	25.8428, 27.6586, -24.3590

# Details

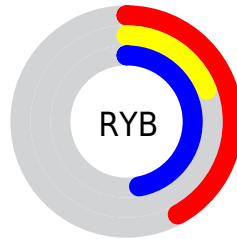
The Hex color **6B3178** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **3E7831**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **A062AD**, and **390047** is the 20% darker color. If you saturate the color by 10%, you get **692578**, and if you desaturate by 10%, it is **6D3D78**.

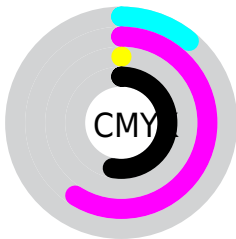
# Distribution



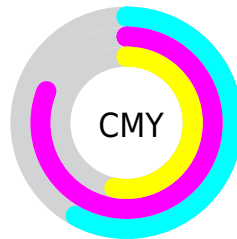
- Red (42%)
- Green (19%)
- Blue (47%)



- Red (42%)
- Yellow (19%)
- Blue (47%)



- Cyan (11%)
- Magenta (59%)
- Yellow (0%)
- Black (53%)



- Cyan (58%)
- Magenta (81%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6B3178 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 6B3178 by changing the saturation by 10% instead.



6B3178

6B3178

FFFFFF

51185F

A062AD

390047

BC7CC8

240030

D897E4

00011A

F5B2FF

000000

FFCEFF

FFEAFF

6B3178

6B3178

692578

6D3D78

671978

6F4978

640D78

725578

620178

746178

620078

766D78

787978

7A8578

7D9178

7F9D78

# Harmonies

## Analogous

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



2E448F



6B3178



851F55

# Triad

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



6B3178



624400



005A64

# Complementary

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



6B3178



3E7831

# 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.



00593D



6B3178



404F00

# Square

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



6B3178



7C330C



005616



005783

# Rectangle

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



6B3178



8A1E3C



005616



005A57



# Sweetspot

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



6B3178



96809C



313E78



4C3E4F



CFCFCF



4F4F4F



# Same Dimension

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



6B3178



872D9C



783162



3C373D



66007D



CE00FC



# Inverse Universe

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



78313E



9C2D41



317847



3D3738



7D0017



FC002E



# Previews

## White Background



This preview shows how the Hex color 6B3178 looks on a white background.

## Color Contrast Check

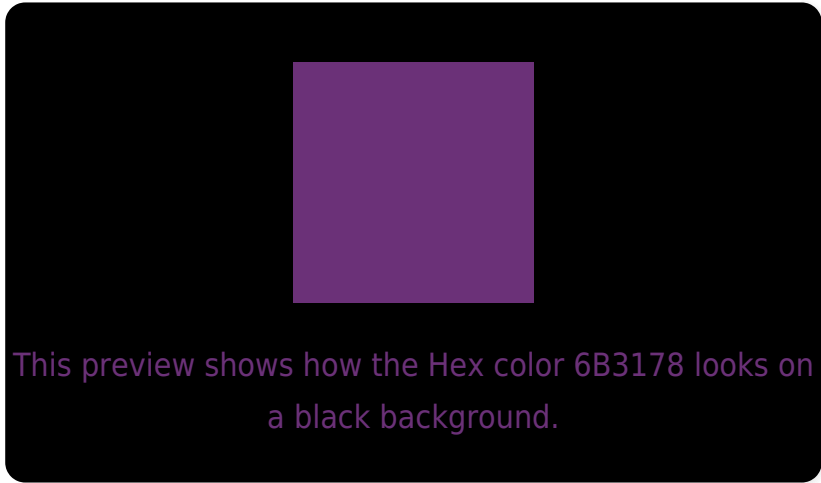
Large Text (above 18pt) WCAG AA ✓ Pass

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

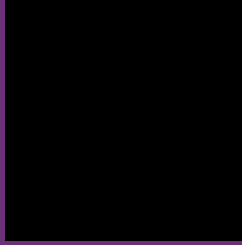
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 6B3178 Background



This preview shows how black text looks on a background with the Hex color 6B3178.

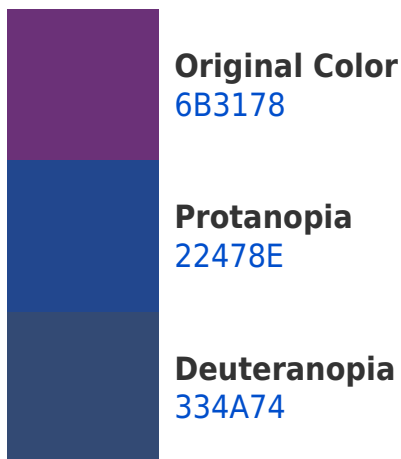


This preview shows how white text looks on a background with the Hex color 6B3178.

# 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**  
643F44

# Trichromacy



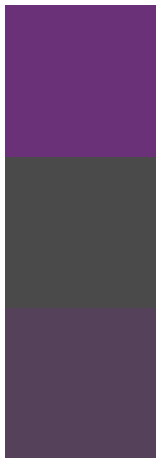
**Original Color**  
6B3178

**Protanomaly**  
3D3F86

**Deuteranomaly**  
474175

**Tritanomaly**  
673A57

# Monochromacy



**Original Color**  
6B3178

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
56415B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6B3178 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 #6B3178 looks like.

```
.text, #text, p{  
    color:#6B3178  
}
```

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 #6B3178 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6B3178
}
```

## Border

The CSS property to change the border of an element to Hex 6B3178 is called "border". The border property can be set on classes, ids or directly on the HTML element.

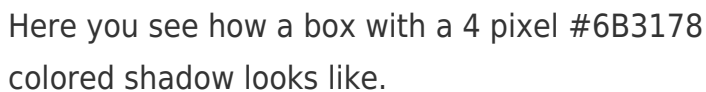
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6B3178 }
```

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

```
.border{ border-color:#6B3178 }
```

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



Here you see how a box with a 4 pixel #6B3178 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6B3178; -webkit-box-shadow:4px 4px  
4px 4px #6B3178; box-shadow:4px 4px 4px  
4px #6B3178 }
```

# Background

The CSS property to change the background color of an element to Hex 6B3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6B3178 }
```

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

```
.background{ background-color:#6B3178 }
```

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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