

# Converting Colors

Hex(6777BE)

Have a look what the booklet for  
Hex(6777BE) contains.

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# Color

**Hex(6777BE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6777BE
RGB	103, 119, 190
RGB Percent	40%, 47%, 75%
CMY	0.5961, 0.5333, 0.2549
CMYK	0.46, 0.37, 0.00, 0.25
HSL	229°, 40%, 57%
HSV	229°, 46%, 75%
XYZ	21.4846, 19.7949, 51.4036
YIQ	122.3100, -32.3270, 18.6890

# Conversions

## Conversions Part 2

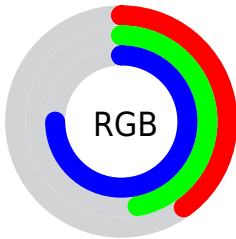
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 117, 190
Decimal	6780862
CIE <sub>Lab</sub>	51.60, 13.18, -39.17
CIE <sub>LCh</sub>	52, 41.329, 288.596
Yxy	19.7949, 0.2318, 0.2136
Android (android.graphics.Color)	4284970942 (0xFF6777BE)
YUV	122.3100, 33.3712, -16.9349
Hunter-Lab	44.4915, 8.3362, -37.3572

# Details

The Hex color **6777BE** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **BEAE67**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **9EABF7**, and **304788** is the 20% darker color. If you saturate the color by 10%, you get **5467BE**, and if you desaturate by 10%, it is **7A87BE**.

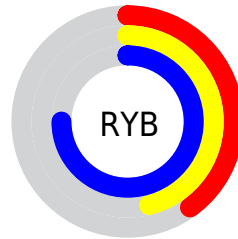
# Distribution



Red (40%)

Green (47%)

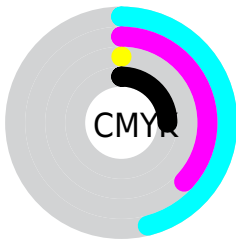
Blue (75%)



Red (40%)

Yellow (46%)

Blue (75%)

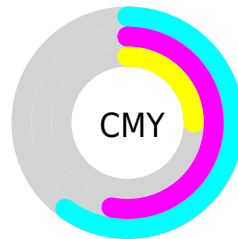


Cyan (46%)

Magenta (37%)

Yellow (0%)

Black (25%)



Cyan (60%)

Magenta (53%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6777BE 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 6777BE by changing the saturation by 10% instead.



■ 6777BE

■ 6777BE

FFFFFF

■ 4C5EA3

■ 9EABF7

■ 304788

■ BAC6FF

■ 0D316E

■ D7E2FF

■ 001D56

■ F4FFFF

■ 00023E

■ 000327

■ 000111

■ 000000

■ 6777BE

■ 6777BE

■ 5467BE

■ 7A87BE

■ 4158BE

■ 8D96BE

■ 2E48BE

■ A0A6BE

■ 1B39BE

■ B3B5BE

■ 0829BE

■ C6C5BE

■ 0023BE

■ D9D4BE

■ ECE4BE

■ FFF3BE

■ FFFFBE

# Harmonies

## Analogous

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



0083C0



6777BE



9969AA

# Triad

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



6777BE



B36747



008C6C

# Complementary

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



6777BE



BEAE67

# 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.



51884A



6777BE



9B7434

# Square

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



6777BE



BD5E66



7A8035



008D90

# Rectangle

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



6777BE



AE6196



7A8035



2A8B60



# Sweetspot

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



6777BE



D5DBF7



67BEAD



686C7D



FCFCFC



7D7D7D



# Same Dimension

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



6777BE



6F88F7



8167BE



55575E



001D9E



00061F



# Inverse Universe

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



BE6777



F76F88



A4BE67



5E5557



9E001D

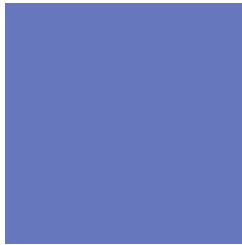


1F0006



# Previews

## White Background



This preview shows how the Hex color 6777BE looks on a white background.

## Color Contrast Check

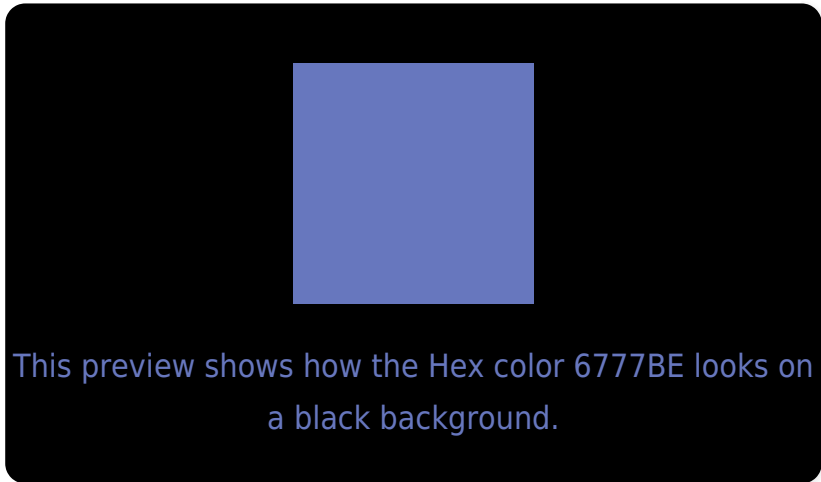
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

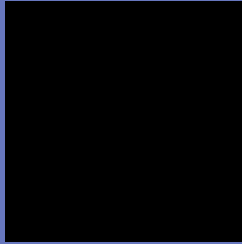
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6777BE Background



This preview shows how black text looks on a background with the Hex color 6777BE.

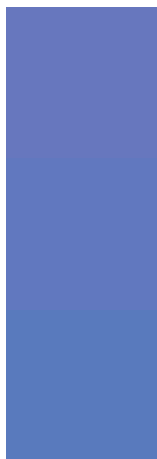


This preview shows how white text looks on a background with the Hex color 6777BE.

# 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**  
6777BE

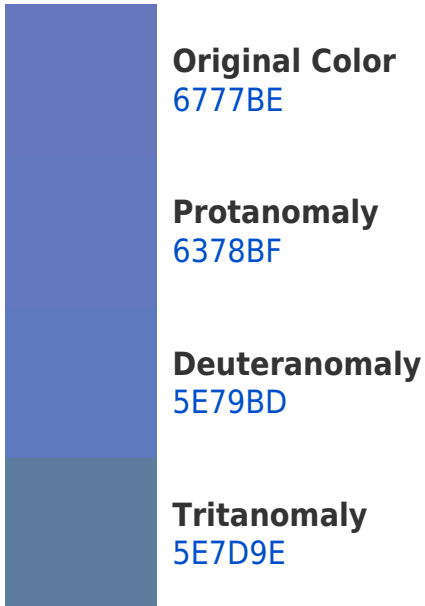
**Protanopia**  
6178BF

**Deuteranopia**  
597ABD



**Tritanopia**  
59818C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6777BE 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 #6777BE looks like.

```
.text, #text, p{  
    color:#6777BE  
}
```

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 #6777BE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6777BE
}
```

## Border

The CSS property to change the border of an element to Hex 6777BE is called "border". The border property can be set on classes, ids or directly on the HTML element.

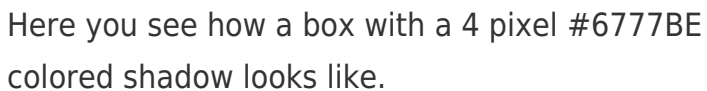
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6777BE }
```

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

```
.border{ border-color:#6777BE }
```

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



Here you see how a box with a 4 pixel #6777BE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6777BE; -webkit-box-shadow:4px 4px  
4px 4px #6777BE; box-shadow:4px 4px 4px  
4px #6777BE }
```

# Background

The CSS property to change the background color of an element to Hex 6777BE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6777BE }
```

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

```
.background{ background-color:#6777BE }
```

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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