

# Converting Colors

Hex(3E77BA)

Have a look what the booklet for  
Hex(3E77BA) contains.

<b>Hex(3E77BA)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(3E77BA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3E77BA
RGB	62, 119, 186
RGB Percent	24%, 47%, 73%
CMY	0.7569, 0.5333, 0.2706
CMYK	0.67, 0.36, 0.00, 0.27
HSL	212°, 50%, 49%
HSV	212°, 67%, 73%
XYZ	17.4464, 17.7630, 48.9634
YIQ	109.5950, -55.4790, 8.7530

# Conversions

## Conversions Part 2

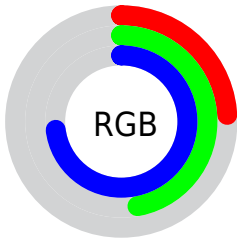
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	62, 101, 186
Decimal	4093882
CIE Lab	49.21, 3.09, -40.80
CIE LCh	49, 40.917, 274.333
Yxy	17.7630, 0.2073, 0.2110
Android (android.graphics.Color)	4282283962 (0xFF3E77BA)
YUV	109.5950, 37.6677, -41.7408
Hunter-Lab	42.1461, 0.1342, -39.3781

# Details

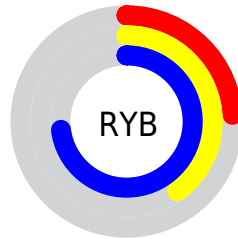
The Hex color **3E77BA** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **BA813E**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **7AABF3**, and **004784** is the 20% darker color. If you saturate the color by 10%, you get **2B6DBA**, and if you desaturate by 10%, it is **5181BA**.

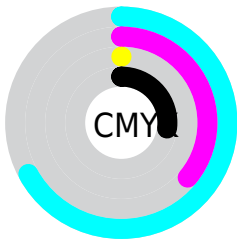
# Distribution



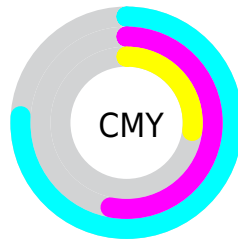
- Red (24%)
- Green (47%)
- Blue (73%)



- Red (24%)
- Yellow (40%)
- Blue (73%)



- Cyan (67%)
- Magenta (36%)
- Yellow (0%)
- Black (27%)



- Cyan (76%)
- Magenta (53%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3E77BA 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 3E77BA by changing the saturation by 10% instead.



■ 3E77BA

■ 3E77BA

FFFFFF

■ 175F9F

■ 7AABF3

■ 004784

■ 97C6FF

■ 00316B

■ B4E2FF

■ 001D52

■ D1FFFF

■ 00063B

■ EFFFFFF

■ 000224

■ 00000C

■ 000000

■ 3E77BA

■ 3E77BA

■ 2B6DBA

■ 5181BA

■ 1963BA

■ 638BBA

■ 0659BA

■ 7695BA

■ 0056BA

■ 889FBA

■ 9BA9BA

■ AEB3BA

■ C0BDBA

■ D3C7BA

■ E5D1BA

# Harmonies

## Analogous

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



0080B3



3E77BA



7E6AAE

# Triad

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



3E77BA



B25C50



2F8456

# Complementary

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



3E77BA



BA813E

# 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.



607E39



3E77BA



A16836

# Square

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



3E77BA



B55771



84752D



008679

# Rectangle

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



3E77BA



99619E



84752D



42824B



# Sweetspot

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



3E77BA



C2D8F2



3EBA80



5D6B7A



FAFAFA



7A7A7A



# Same Dimension

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



3E77BA



308AF2



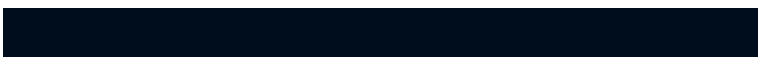
423EBA



53575C



00489C



000D1C



# Inverse Universe

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



BA3E77



F2308A



B6BA3E



5C5357



9C0048



1C000D



# Previews

## White Background



This preview shows how the Hex color 3E77BA looks on a white background.

## Color Contrast Check

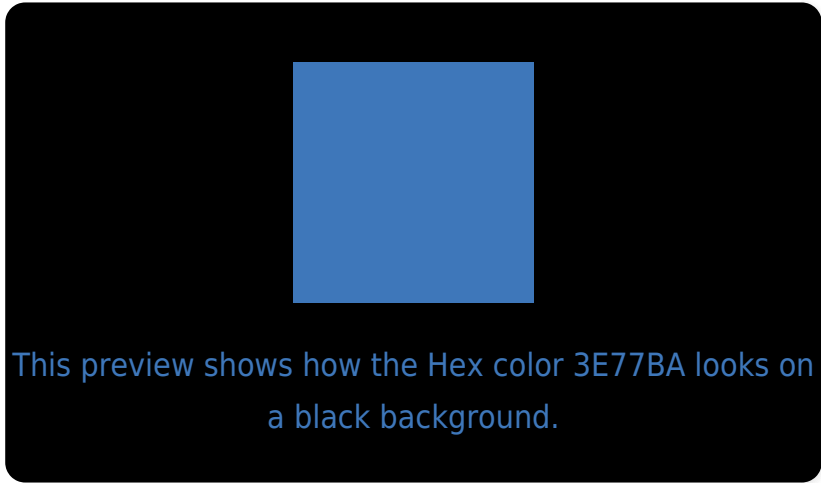
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

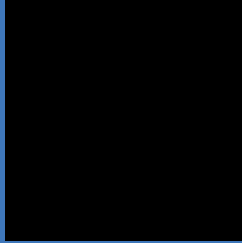
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 3E77BA Background



This preview shows how black text looks on a background with the Hex color 3E77BA.

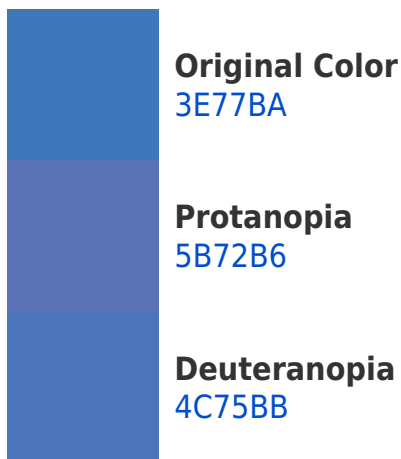


This preview shows how white text looks on a background with the Hex color 3E77BA.

# 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](#).

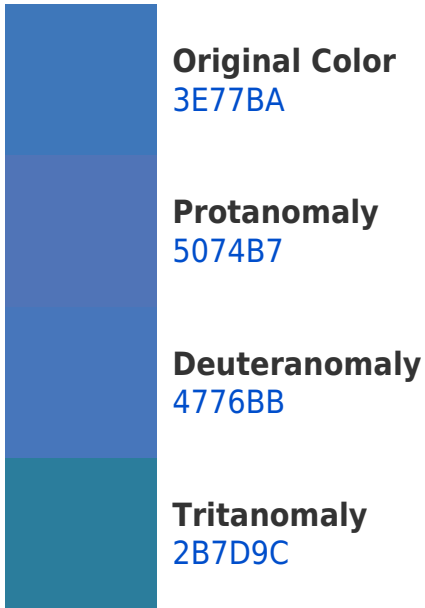
## Dichromacy



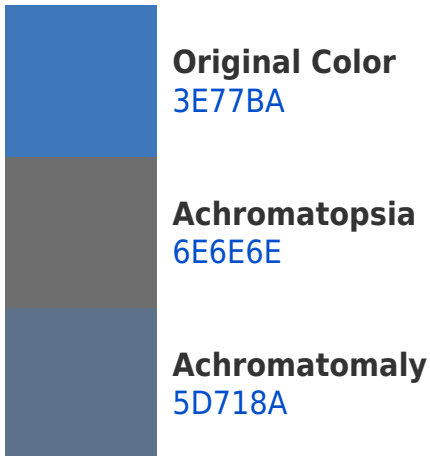


**Tritanopia**  
20818B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3E77BA 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 #3E77BA looks like.

```
.text, #text, p{  
    color:#3E77BA  
}
```

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 #3E77BA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3E77BA
}
```

## Border

The CSS property to change the border of an element to Hex 3E77BA 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
#3E77BA }
```

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

```
.border{ border-color:#3E77BA }
```

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

Here you see how a box with a 4 pixel #3E77BA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3E77BA; -webkit-box-shadow:4px 4px  
4px 4px #3E77BA; box-shadow:4px 4px 4px  
4px #3E77BA }
```

# Background

The CSS property to change the background color of an element to Hex 3E77BA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3E77BA }
```

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

```
.background{ background-color:#3E77BA }
```

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