

# Converting Colors

Hex(345EA7)

Have a look what the booklet for  
Hex(345EA7) contains.

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# Color

Hex(345EA7)

# Conversions

## Conversions Part 1

Format	Color
Hex	345EA7
RGB	52, 94, 167
RGB Percent	20%, 37%, 65%
CMY	0.7961, 0.6314, 0.3451
CMYK	0.69, 0.44, 0.00, 0.35
HSL	218°, 53%, 43%
HSV	218°, 69%, 65%
XYZ	12.3939, 11.5255, 38.1306
YIQ	89.7640, -48.4650, 13.7990

# Conversions

## Conversions Part 2

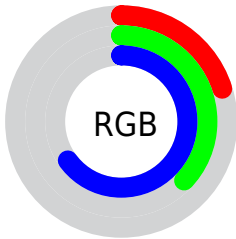
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 83, 167
Decimal	3432103
CIELab	40.45, 10.22, -43.64
CIElCh	40, 44.823, 283.182
Yxy	11.5255, 0.1997, 0.1857
Android (android.graphics.Color)	4281622183 (0xFF345EA7)
YUV	89.7640, 38.0773, -33.1190
Hunter-Lab	33.9492, 5.7543, -42.8281

# Details

The Hex color **345EA7** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **A77D34**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **6F90DF**, and **003172** is the 20% darker color. If you saturate the color by 10%, you get **2353A7**, and if you desaturate by 10%, it is **4569A7**.

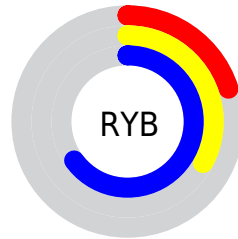
# Distribution



Red (20%)

Green (37%)

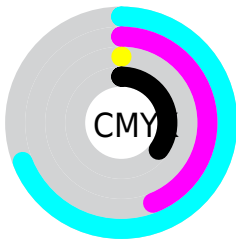
Blue (65%)



Red (20%)

Yellow (33%)

Blue (65%)

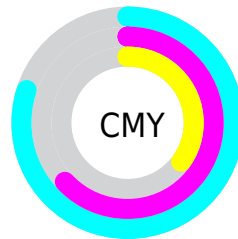


Cyan (69%)

Magenta (44%)

Yellow (0%)

Black (35%)



Cyan (80%)

Magenta (63%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 345EA7 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 345EA7 by changing the saturation by 10% instead.



■ 345EA7

■ 345EA7

FFFFFF

■ 08478C

■ 6F90DF

■ 003172

■ 8CAAFB

■ 001D59

■ A8C5FF

■ 000142

■ C5E1FF

■ 00032A

■ E3FEFF

■ 000115

■ 000000

■ 345EA7

■ 345EA7

■ 2353A7

■ 4569A7

■ 1349A7

■ 5573A7

■ 023EA7

■ 667EA7

■ 003DA7

■ 7788A7

■ 8793A7

■ 989EA7

■ A9A8A7

■ BAB3A7

■ CABDA7

# Harmonies

## Analogous

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



0069A5



345EA7



764E95

# Triad

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



345EA7



9A472F



006F49

# Complementary

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



345EA7



A77D34

# 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.



396B26



345EA7



835614

# Square

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



345EA7



A23C51



63630D



00716F

# Rectangle

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



345EA7



8F4481



63630D



006E3D



# Sweetspot

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



345EA7



ABBCD9



34A77D



525C6E



EDEDED



6E6E6E



# Same Dimension

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



345EA7



2567D9



4334A7



4C4F54



003694



000714



# Inverse Universe

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



A7345E



D92567



98A734



544C4F



940036



140007



# Previews

## White Background



This preview shows how the Hex color 345EA7 looks on a white background.

## Color Contrast Check

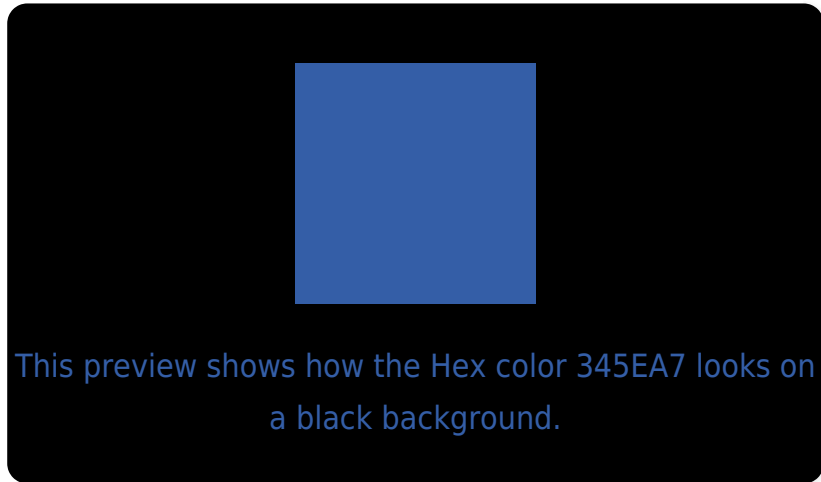
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

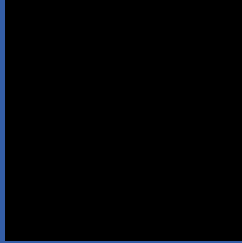
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 345EA7 Background



This preview shows how black text looks on a background with the Hex color 345EA7.

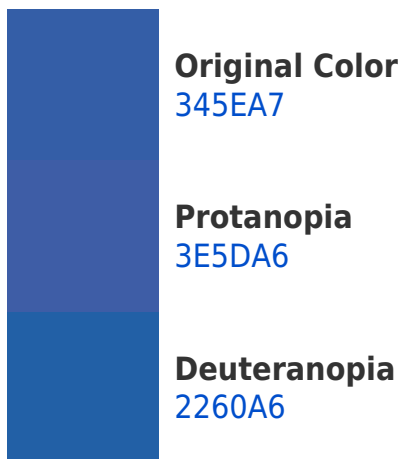


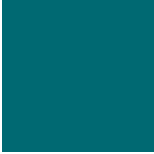
This preview shows how white text looks on a background with the Hex color 345EA7.

# Color Blindness Simulation

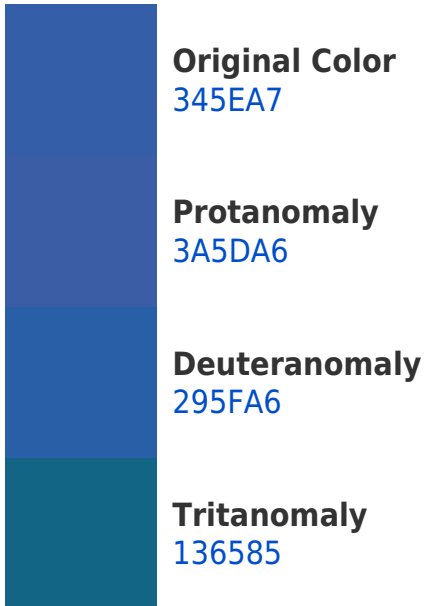
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

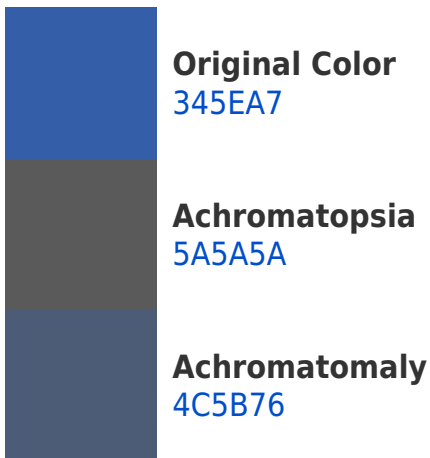




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 345EA7 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 #345EA7 looks like.

```
.text, #text, p{  
    color:#345EA7  
}
```

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 #345EA7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #345EA7
}
```

## Border

The CSS property to change the border of an element to Hex 345EA7 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
#345EA7 }
```

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

```
.border{ border-color:#345EA7 }
```

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

Here you see how a box with a 4 pixel #345EA7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #345EA7; -webkit-box-shadow:4px 4px  
4px 4px #345EA7; box-shadow:4px 4px 4px  
4px #345EA7 }
```

# Background

The CSS property to change the background color of an element to Hex 345EA7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#345EA7 }
```

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

```
.background{ background-color:#345EA7 }
```

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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