

# Converting Colors

Hex(3A7BE9)

Have a look what the booklet for  
Hex(3A7BE9) contains.

<b>Hex(3A7BE9)</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(3A7BE9)

# Conversions

## Conversions Part 1

Format	Color
Hex	3A7BE9
RGB	58, 123, 233
RGB Percent	23%, 48%, 91%
CMY	0.7725, 0.5176, 0.0863
CMYK	0.75, 0.47, 0.00, 0.09
HSL	218°, 80%, 57%
HSV	218°, 75%, 91%
XYZ	23.5359, 20.9487, 79.8938
YIQ	116.1050, -74.0500, 20.4300

# Conversions

## Conversions Part 2

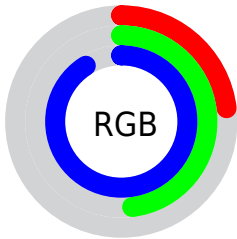
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	58, 105, 233
Decimal	3832809
CIE Lab	52.89, 17.03, -61.61
CIE LCh	53, 63.918, 285.448
Yxy	20.9487, 0.1892, 0.1684
Android (android.graphics.Color)	4282022889 (0xFF3A7BE9)
YUV	116.1050, 57.6292, -50.9581
Hunter-Lab	45.7697, 11.6920, -71.4555

# Details

The Hex color **3A7BE9** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **E9A83A**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **80AFFF**, and **004BB0** is the 20% darker color. If you saturate the color by 10%, you get **236CE9**, and if you desaturate by 10%, it is **518AE9**.

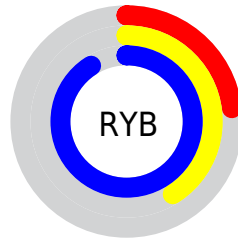
# Distribution



Red (23%)

Green (48%)

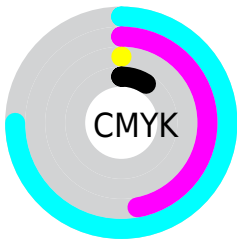
Blue (91%)



Red (23%)

Yellow (41%)

Blue (91%)

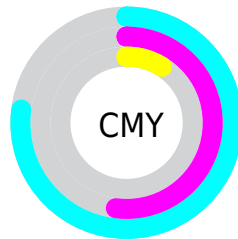


Cyan (75%)

Magenta (47%)

Yellow (0%)

Black (9%)



Cyan (77%)

Magenta (52%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A7BE9 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 3A7BE9 by changing the saturation by 10% instead.



■ 3A7BE9

■ 3A7BE9

FFFFFF

■ 0063CC

■ 80AFFE

■ 004BB0

■ 9FCAFF

■ 003695

■ BDE6FF

■ 00227B

■ DCFFFF

■ 000C61

■ FBFFFF

■ 000848

■ 000431

■ 00011B

■ 000000

■ 3A7BE9

■ 3A7BE9

■ 236CE9

■ 518AE9

■ 0B5EE9

■ 6998E9

■ 0057E9

■ 80A7E9

■ 97B6E9

■ AEC4E9

■ C6D3E9

■ DDE2E9

■ F4F0E9

■ FFFFE9

# Harmonies

## Analogous

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



008CE9



3A7BE9



A462CC

# Triad

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



3A7BE9



D15931



009661

# Complementary

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



3A7BE9



E9A83A

# 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.



3A9029



3A7BE9



AE7200

# Square

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



3A7BE9



E04564



7D8400



00979A

# Rectangle

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



3A7BE9



C750AD



7D8400



00944E



# Sweetspot

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



3A7BE9



C4DAFF



3AE9A6



5C6980



000000



808080



# Same Dimension

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



3A7BE9



196FFF



4E3AE9



6A6E75



0043B5



001436



# Inverse Universe

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



E93A7B



FF196F



D5E93A



756A6E



B50043



360014



# Previews

## White Background



This preview shows how the Hex color 3A7BE9 looks on a white background.

## Color Contrast Check

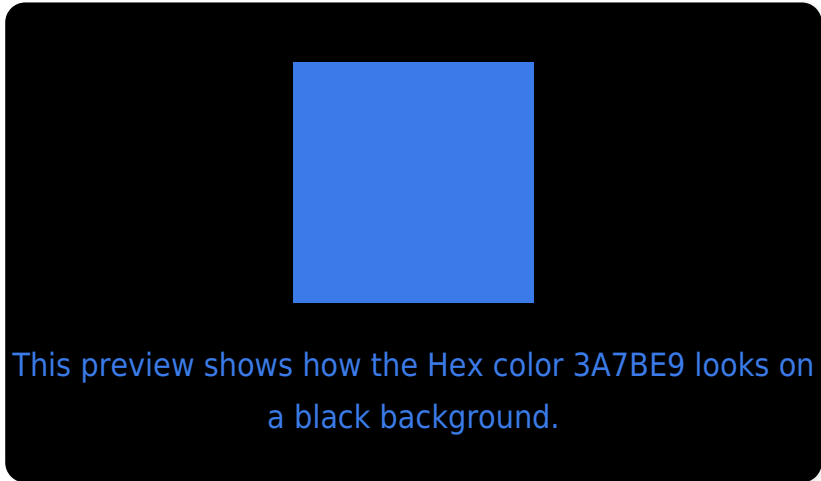
Large Text (above 18pt) WCAG AA ✓ Pass

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

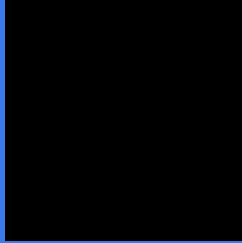
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

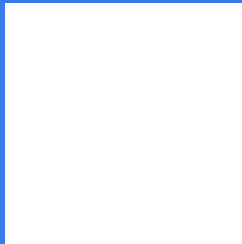
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3A7BE9 Background



This preview shows how black text looks on a background with the Hex color 3A7BE9.



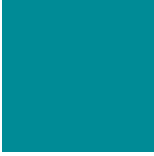
This preview shows how white text looks on a background with the Hex color 3A7BE9.

# 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**  
008B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A7BE9 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 #3A7BE9 looks like.

```
.text, #text, p{  
    color:#3A7BE9  
}
```

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 #3A7BE9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A7BE9
}
```

## Border

The CSS property to change the border of an element to Hex 3A7BE9 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
#3A7BE9 }
```

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

```
.border{ border-color:#3A7BE9 }
```

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

Here you see how a box with a 4 pixel #3A7BE9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A7BE9; -webkit-box-shadow:4px 4px  
4px 4px #3A7BE9; box-shadow:4px 4px 4px  
4px #3A7BE9 }
```

# Background

The CSS property to change the background color of an element to Hex 3A7BE9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A7BE9 }
```

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

```
.background{ background-color:#3A7BE9 }
```

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