

# Converting Colors

Hex(3A87CB)

Have a look what the booklet for  
Hex(3A87CB) contains.

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**Color**

**Hex(3A87CB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3A87CB
RGB	58, 135, 203
RGB Percent	23%, 53%, 80%
CMY	0.7725, 0.4706, 0.2039
CMYK	0.71, 0.33, 0.00, 0.20
HSL	208°, 58%, 51%
HSV	208°, 71%, 80%
XYZ	21.1884, 22.5393, 59.7337
YIQ	119.7290, -67.7200, 4.8240

# Conversions

## Conversions Part 2

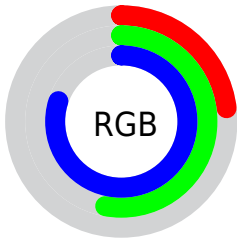
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 108, 203
Decimal	3835851
CIE <sub>Lab</sub>	54.59, -1.11, -42.01
CIE <sub>LCh</sub>	55, 42.026, 268.480
Yxy	22.5393, 0.2048, 0.2179
Android (android.graphics.Color)	4282025931 (0xFF3A87CB)
YUV	119.7290, 41.0526, -54.1363
Hunter-Lab	47.4756, -3.4175, -41.3657

# Details

The Hex color **3A87CB** is a dark color, and the websafe version is hex **6699CC**. The color can be described as dark muted azure. A complement of this color would be **CB7E3A**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **7ABCFF**, and **005694** is the 20% darker color. If you saturate the color by 10%, you get **267DCB**, and if you desaturate by 10%, it is **4E91CB**.

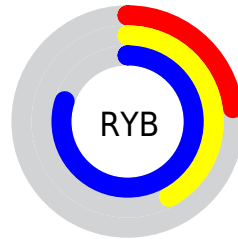
# Distribution



Red (23%)

Green (53%)

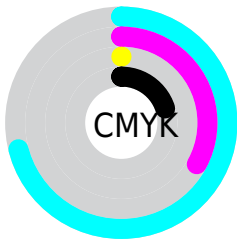
Blue (80%)



Red (23%)

Yellow (42%)

Blue (80%)

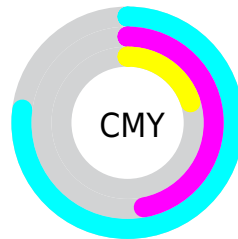


Cyan (71%)

Magenta (33%)

Yellow (0%)

Black (20%)



Cyan (77%)

Magenta (47%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3A87CB 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 3A87CB by changing the saturation by 10% instead.



■ 3A87CB

■ 3A87CB

FFFFFF

■ 036EAF

■ 7ABCFF

■ 005694

■ 98D8FF

■ 003F7A

■ B5F4FF

■ 002A61

■ D3FFFF

■ 001549

■ F1FFFF

■ 000432

■ 00011C

■ 000000

■ 3A87CB

■ 3A87CB

■ 267DCB

■ 4E91CB

■ 1174CB

■ 639ACB

■ 006CCB

■ 77A4CB

■ 8BADCB

■ A0B7CB

■ B4C0CB

■ C8CACB

■ DCD3CB

■ F1DDCB

# Harmonies

## Analogous

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



0090C0



3A87CB



827AC3

# Triad

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



3A87CB



C56762



47925B

# Complementary

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



3A87CB



CB7E3A

# 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.



758B40



3A87CB



B67345

# Square

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



3A87CB



C46486



9A8038



00957F

# Rectangle

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



3A87CB



A270B3



9A8038



589051

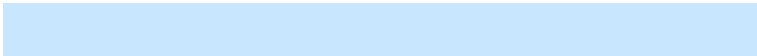


# Sweetspot

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



3A87CB



C9E6FF



3ACB7E



607180



000000



808080



# Same Dimension

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



3A87CB



2498FF



3A3FCB



5C6166



0058A6



001426



# Inverse Universe

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



CB3A87



FF2498



CBC63A



665C61



A60058

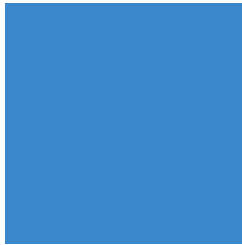


260014



# Previews

## White Background



This preview shows how the Hex color 3A87CB looks on a white background.

## Color Contrast Check

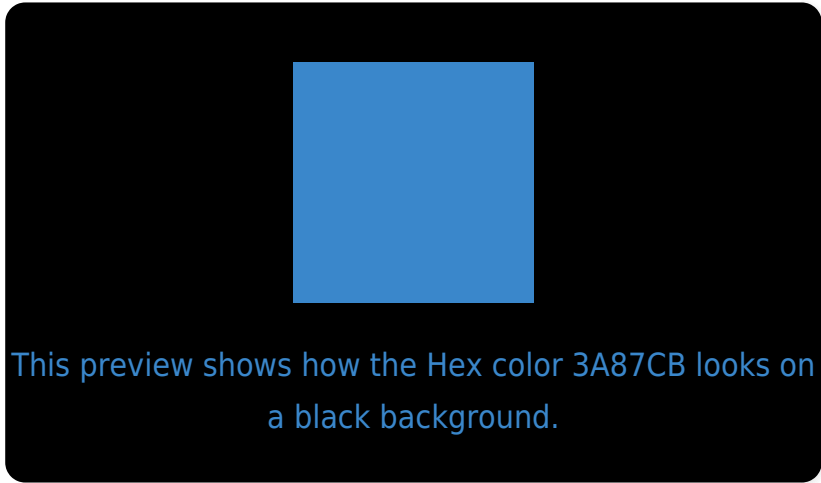
Large Text (above 18pt) WCAG AA ✓ Pass

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 3A87CB Background



This preview shows how black text looks on a background with the Hex color 3A87CB.

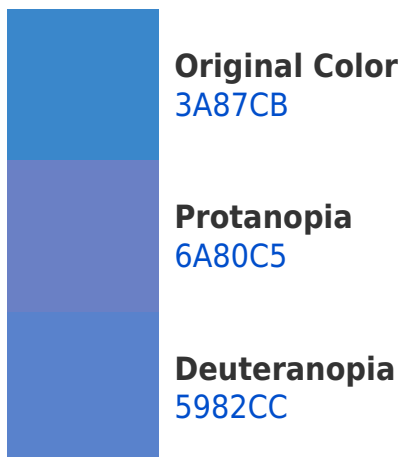


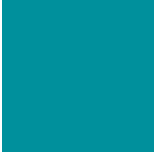
This preview shows how white text looks on a background with the Hex color 3A87CB.

# 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](#).

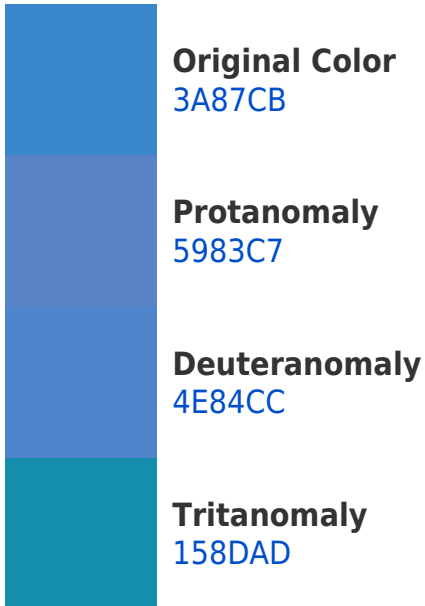
## Dichromacy



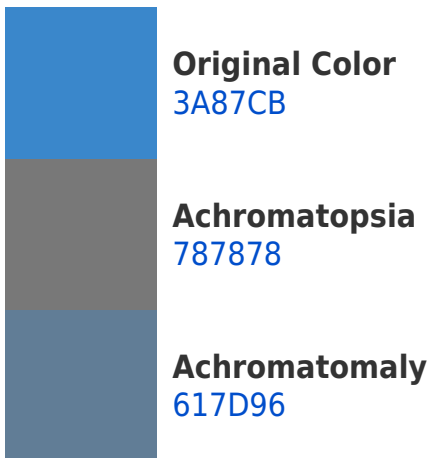


**Tritanopia**  
00909C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3A87CB 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 #3A87CB looks like.

```
.text, #text, p{  
    color:#3A87CB  
}
```

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 #3A87CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3A87CB  
}
```

## Border

The CSS property to change the border of an element to Hex 3A87CB 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  
#3A87CB }
```

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

```
.border{ border-color:#3A87CB }
```

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

Here you see how a box with a 4 pixel #3A87CB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3A87CB; -webkit-box-shadow:4px 4px  
4px 4px #3A87CB; box-shadow:4px 4px 4px  
4px #3A87CB }
```

# Background

The CSS property to change the background color of an element to Hex 3A87CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3A87CB }
```

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

```
.background{ background-color:#3A87CB }
```

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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