

# Converting Colors

Hex(3172CE)

Have a look what the booklet for  
Hex(3172CE) contains.

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# Color

Hex(3172CE)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3172CE
RGB	49, 114, 206
RGB Percent	19%, 45%, 81%
CMY	0.8078, 0.5529, 0.1922
CMYK	0.76, 0.45, 0.00, 0.19
HSL	215°, 62%, 50%
HSV	215°, 76%, 81%
XYZ	18.4245, 17.1438, 60.7305
YIQ	105.0530, -68.2720, 14.8320

# Conversions

## Conversions Part 2

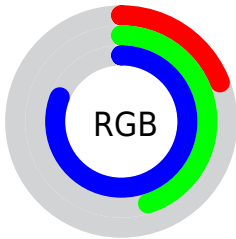
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	49, 95, 206
Decimal	3240654
CIE Lab	48.44, 11.61, -53.53
CIE LCh	48, 54.771, 282.238
Yxy	17.1438, 0.1913, 0.1780
Android (android.graphics.Color)	4281430734 (0xFF3172CE)
YUV	105.0530, 49.7669, -49.1585
Hunter-Lab	41.4051, 6.9703, -57.9795

# Details

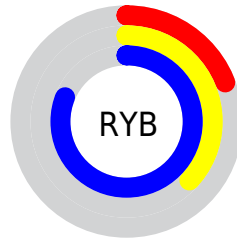
The Hex color **3172CE** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **CE8D31**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **75A5FF**, and **004397** is the 20% darker color. If you saturate the color by 10%, you get **1C66CE**, and if you desaturate by 10%, it is **467ECE**.

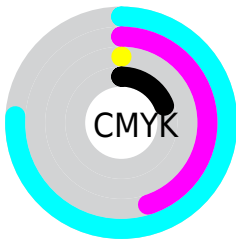
# Distribution



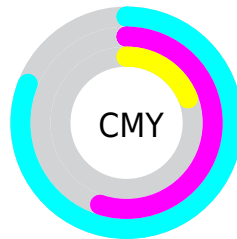
- Red (19%)
- Green (45%)
- Blue (81%)



- Red (19%)
- Yellow (37%)
- Blue (81%)



- Cyan (76%)
- Magenta (45%)
- Yellow (0%)
- Black (19%)




- Cyan (81%)
- Magenta (55%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 3172CE 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 3172CE by changing the saturation by 10% instead.



 3172CE

 3172CE

FFFFFF

 005AB2

 75A5FF

 004397

 93C0FF

 002E7D

 B1DCFF

 001B63

 CFF8FF


 00054B


 EDFFFF

 000433

 00021D

 000000

 3172CE

 3172CE

■ 1C66CE

■ 467ECE

■ 085ACE

■ 5A8ACE

■ 0055CE

■ 6F96CE

■ 83A2CE

■ 98AECE

■ ADBACE

■ C1C6CE

■ D6D3CE

■ EADFCE

# Harmonies

## Analogous

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



0080CB



3172CE



8D5EB8

# Triad

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



3172CE



BC5337



008755

# Complementary

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



3172CE



CE8D31

# 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.



448128



3172CE



A06710

# Square

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



3172CE



C64562



787702



008985

# Rectangle

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



3172CE



AD509F



787702



008545



# Sweetspot

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



3172CE



C4DDFF



31CE8D



5C6B80



000000



808080



# Same Dimension

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



3172CE



1777FF



3E31CE



5C6066



0045A6



001026



# Inverse Universe

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



CE3172



FF1777



C1CE31



665C60



A60045



260010



# Previews

## White Background



This preview shows how the Hex color 3172CE looks on a white background.

## Color Contrast Check

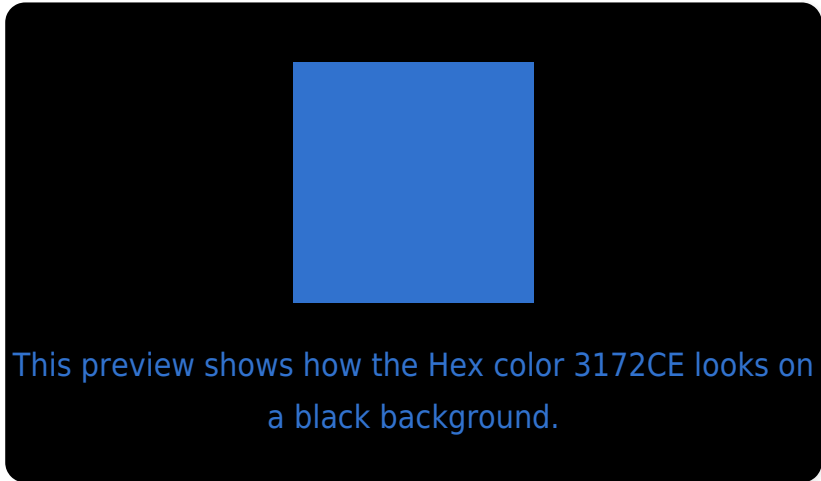
Large Text (above 18pt) WCAG AA ✓ Pass

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

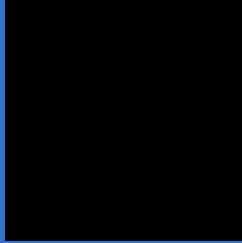
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

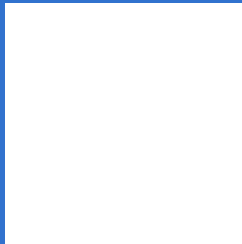
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3172CE Background



This preview shows how black text looks on a background with the Hex color 3172CE.



This preview shows how white text looks on a background with the Hex color 3172CE.

# 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](#).

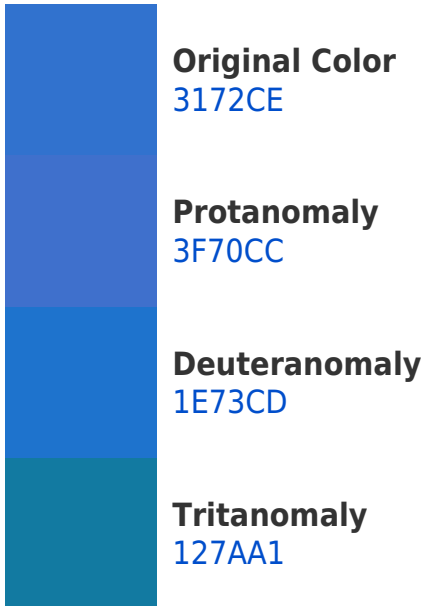
## Dichromacy





**Tritanopia**  
007F88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3172CE 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 #3172CE looks like.

```
.text, #text, p{  
    color:#3172CE  
}
```

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 #3172CE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3172CE
}
```

## Border

The CSS property to change the border of an element to Hex 3172CE is called "border". The border property can be set on classes, ids or directly on the HTML element.

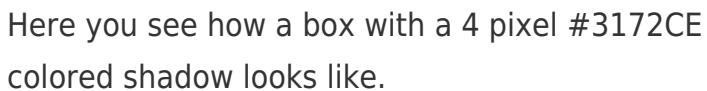
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3172CE }
```

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

```
.border{ border-color:#3172CE }
```

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



Here you see how a box with a 4 pixel #3172CE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3172CE; -webkit-box-shadow:4px 4px  
4px 4px #3172CE; box-shadow:4px 4px 4px  
4px #3172CE }
```

# Background

The CSS property to change the background color of an element to Hex 3172CE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3172CE }
```

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

```
.background{ background-color:#3172CE }
```

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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