

# Converting Colors

Hex(216CB4)

Have a look what the booklet for  
Hex(216CB4) contains.

<b>Hex(216CB4)</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(216CB4)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	216CB4
RGB	33, 108, 180
RGB Percent	13%, 42%, 71%
CMY	0.8706, 0.5765, 0.2941
CMYK	0.82, 0.40, 0.00, 0.29
HSL	209°, 69%, 42%
HSV	209°, 82%, 71%
XYZ	14.2280, 14.3437, 45.1987
YIQ	93.7830, -67.8120, 6.4920

# Conversions

## Conversions Part 2

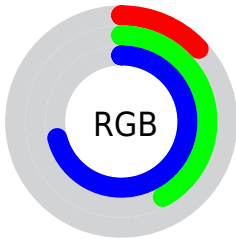
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 83, 180
Decimal	2190516
CIE <sub>Lab</sub>	44.72, 3.75, -44.50
CIE <sub>LCh</sub>	45, 44.659, 274.819
Yxy	14.3437, 0.1929, 0.1944
Android (android.graphics.Color)	4280380596 (0xFF216CB4)
YUV	93.7830, 42.5050, -53.3067
Hunter-Lab	37.8731, 0.7799, -44.2470

# Details

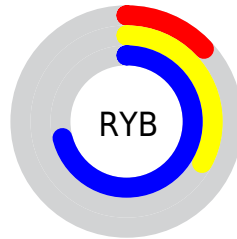
The Hex color **216CB4** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **B46921**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **669FEC**, and **003D7F** is the 20% darker color. If you saturate the color by 10%, you get **0F63B4**, and if you desaturate by 10%, it is **3375B4**.

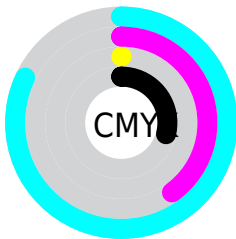
# Distribution



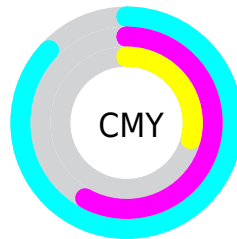
- Red (13%)
- Green (42%)
- Blue (71%)



- Red (13%)
- Yellow (33%)
- Blue (71%)



- Cyan (82%)
- Magenta (40%)
- Yellow (0%)
- Black (29%)



- Cyan (87%)
- Magenta (58%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 216CB4 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 216CB4 by changing the saturation by 10% instead.



■ 216CB4

■ 216CB4

FFFFFF

■ 005499

■ 669FEC

■ 003D7F

■ 84BAFF

■ 002865

■ A1D5FF

■ 00144D

■ BFF2FF

■ 000535

■ DDFFFF

■ 00021F

■ FBFFFF

■ 000002

■ 000000

■ 216CB4

■ 216CB4

0F63B4

3375B4

005CB4

457EB4

5786B4

698FB4

7B98B4

8DA1B4

9FAAB4

B1B3B4

C3BBB4

# Harmonies

## Analogous

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



0076AD



216CB4



735DA7

# Triad

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



216CB4



AA4E41



0D7949

# Complementary

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



216CB4



B46921

# 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.



517428



216CB4



965C25

# Square

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



216CB4



AD4765



786A18



007C6F

# Rectangle

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



216CB4



915395



786A18



2E783D



# Sweetspot

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



216CB4



B0CEEB



21B468



526475



F5F5F5



757575



# Same Dimension

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



216CB4



057AEB



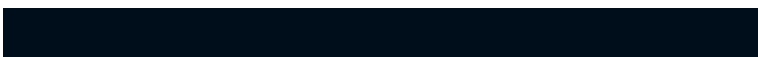
2123B4



505559



004E99



000D1A



# Inverse Universe

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



B4216C



EB057A



B4B221



595055



99004E



1A000D



# Previews

## White Background



This preview shows how the Hex color 216CB4 looks on a white background.

## Color Contrast Check

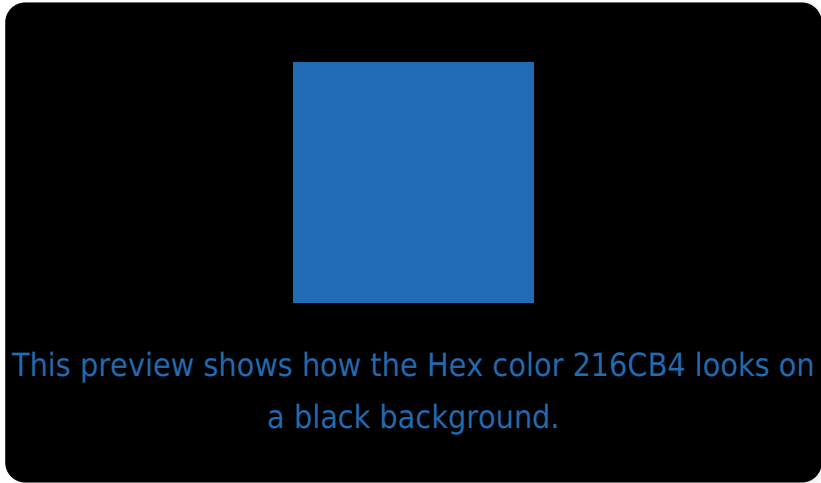
Large Text (above 18pt) WCAG AA ✓ Pass

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 216CB4 Background



This preview shows how black text looks on a background with the Hex color 216CB4.

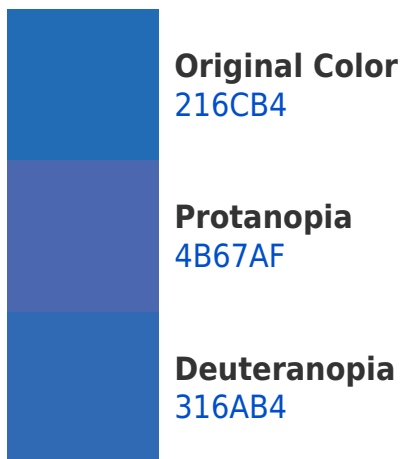


This preview shows how white text looks on a background with the Hex color 216CB4.

# 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](#).

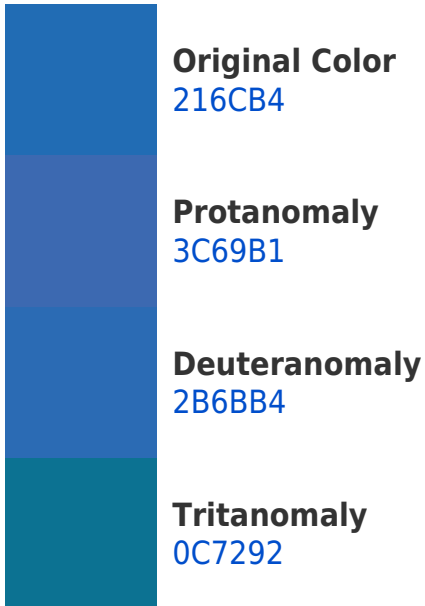
## Dichromacy





**Tritanopia**  
00757E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216CB4 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 #216CB4 looks like.

```
.text, #text, p{  
    color:#216CB4  
}
```

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 #216CB4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216CB4
}
```

## Border

The CSS property to change the border of an element to Hex 216CB4 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
#216CB4 }
```

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

```
.border{ border-color:#216CB4 }
```

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

Here you see how a box with a 4 pixel #216CB4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216CB4; -webkit-box-shadow:4px 4px  
4px 4px #216CB4; box-shadow:4px 4px 4px  
4px #216CB4 }
```

# Background

The CSS property to change the background color of an element to Hex 216CB4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216CB4 }
```

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

```
.background{ background-color:#216CB4 }
```

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