

# Converting Colors

Hex(216EA0)

Have a look what the booklet for  
Hex(216EA0) contains.

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# Color

**Hex(216EA0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216EA0
RGB	33, 110, 160
RGB Percent	13%, 43%, 63%
CMY	0.8706, 0.5686, 0.3725
CMYK	0.79, 0.31, 0.00, 0.37
HSL	204°, 66%, 38%
HSV	204°, 79%, 63%
XYZ	12.5483, 14.0133, 35.3012
YIQ	92.6770, -61.9420, -0.7740

# Conversions

## Conversions Part 2

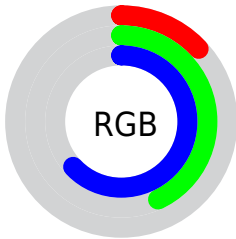
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 81, 160
Decimal	2191008
CIE <sub>Lab</sub>	44.25, -5.11, -33.51
CIE <sub>LCh</sub>	44, 33.900, 261.330
Yxy	14.0133, 0.2028, 0.2265
Android (android.graphics.Color)	4280381088 (0xFF216EA0)
YUV	92.6770, 33.1902, -52.3367
Hunter-Lab	37.4343, -5.6753, -29.7075

# Details

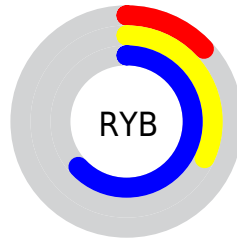
The Hex color **216EA0** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A05321**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **62A1D7**, and **003F6C** is the 20% darker color. If you saturate the color by 10%, you get **1168A0**, and if you desaturate by 10%, it is **3174A0**.

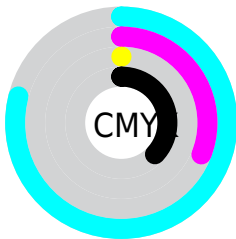
# Distribution



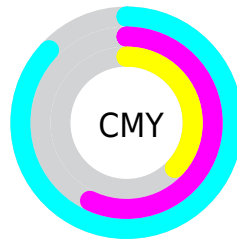
- Red (13%)
- Green (43%)
- Blue (63%)



- Red (13%)
- Yellow (32%)
- Blue (63%)



- Cyan (79%)
- Magenta (31%)
- Yellow (0%)
- Black (37%)



- Cyan (87%)
- Magenta (57%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 216EA0 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 216EA0 by changing the saturation by 10% instead.



■ 216EA0

■ 216EA0

FFFFFF

■ 005686

■ 62A1D7

■ 003F6C

■ 7FBCF4

■ 002954

■ 9BD8FF

■ 00153C

■ B8F4FF

■ 000226

■ D6FFFF

■ 00010F

■ F3FFFF

■ 000000

■ 216EA0

■ 216EA0

■ 1168A0

■ 3174A0

0161A0

417BA0

0061A0

5181A0

6187A0

718DA0

8194A0

919AA0

A1A0A0

B1A7A0

# Harmonies

## Analogous

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



007494



216EA0



5E649D

# Triad

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



216EA0



9E5256



457344

# Complementary

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



216EA0



A05321

# 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.



666D32



216EA0



955A3E

# Square

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



216EA0



995272



816430



0E775F

# Rectangle

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



216EA0



795D93



816430



50723D



# Sweetspot

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



216EA0



9FBDD1



21A052



4A5D69



E8E8E8



696969



# Same Dimension

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



216EAO



0A83D1



2130A0



474C4F



00578F



00090F



# Inverse Universe

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



A0216E



D10A83



A09121



4F474C



8F0057



0F0009



# Previews

## White Background



This preview shows how the Hex color 216EA0 looks on a white background.

## Color Contrast Check

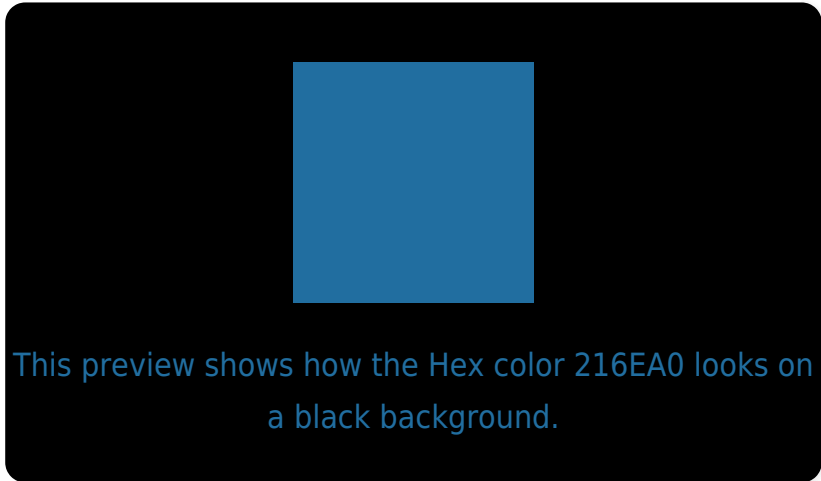
Large Text (above 18pt) WCAG AA ✓ Pass

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

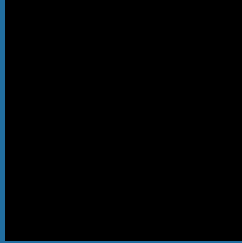
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 216EA0 Background



This preview shows how black text looks on a background with the Hex color 216EA0.

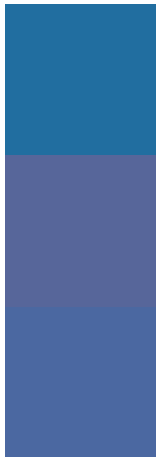


This preview shows how white text looks on a background with the Hex color 216EA0.

# 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



**Original Color**  
216EA0

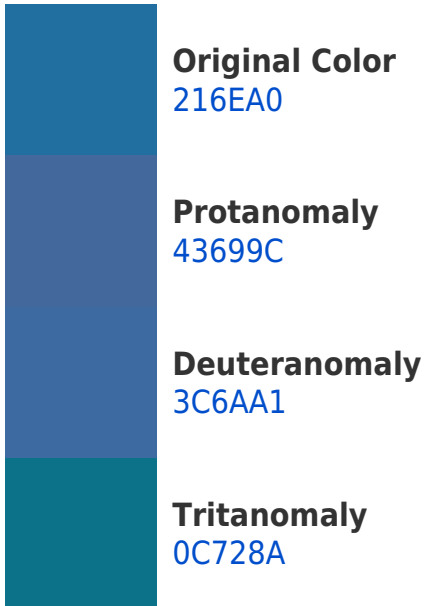
**Protanopia**  
57669A

**Deuteranopia**  
4B68A1

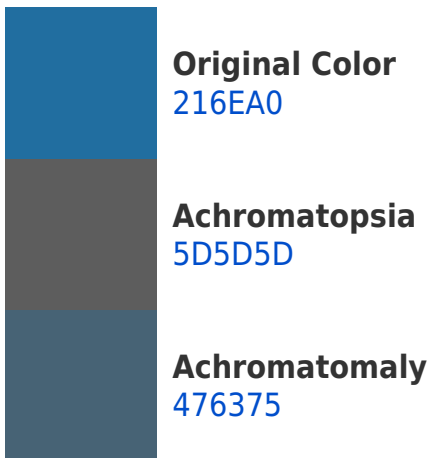


**Tritanopia**  
00747D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216EA0 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 #216EA0 looks like.

```
.text, #text, p{  
    color:#216EA0  
}
```

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 #216EA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216EA0
}
```

## Border

The CSS property to change the border of an element to Hex 216EA0 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
#216EA0 }
```

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

```
.border{ border-color:#216EA0 }
```

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

Here you see how a box with a 4 pixel #216EA0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216EA0; -webkit-box-shadow:4px 4px  
4px 4px #216EA0; box-shadow:4px 4px 4px  
4px #216EA0 }
```

# Background

The CSS property to change the background color of an element to Hex 216EA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216EA0 }
```

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

```
.background{ background-color:#216EA0 }
```

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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