

# Converting Colors

Hex(4176E8)

Have a look what the booklet for  
Hex(4176E8) contains.

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# Color

**Hex(4176E8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4176E8
RGB	65, 118, 232
RGB Percent	25%, 46%, 91%
CMY	0.7451, 0.5373, 0.0902
CMYK	0.72, 0.49, 0.00, 0.09
HSL	221°, 78%, 58%
HSV	221°, 72%, 91%
XYZ	23.2239, 19.9069, 78.9623
YIQ	115.1490, -68.1820, 24.2180

# Conversions

## Conversions Part 2

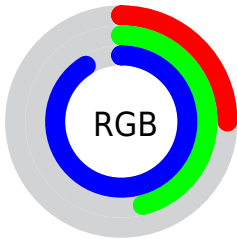
<b>Format</b>	<b>Color</b>
<b>RYB</b>	65, 105, 232
Decimal	4290280
CIELab	51.73, 20.64, -62.91
CIElCh	52, 66.207, 288.163
Yxy	19.9069, 0.1902, 0.1630
Android (android.graphics.Color)	4282480360 (0xFF4176E8)
YUV	115.1490, 57.6075, -43.9807
Hunter-Lab	44.6171, 14.8320, -73.6980

# Details

The Hex color **4176E8** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **E8B341**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **84AAFF**, and **0047AF** is the 20% darker color. If you saturate the color by 10%, you get **2A66E8**, and if you desaturate by 10%, it is **5886E8**.

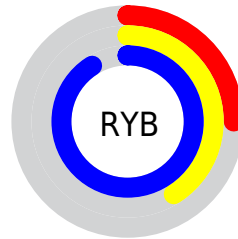
# Distribution



Red (25%)

Green (46%)

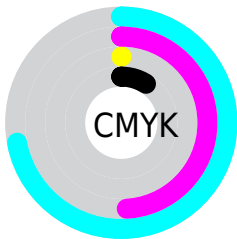
Blue (91%)



Red (25%)

Yellow (41%)

Blue (91%)

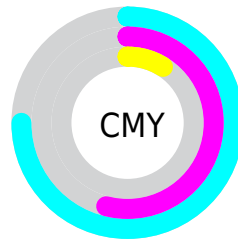


Cyan (72%)

Magenta (49%)

Yellow (0%)

Black (9%)



Cyan (75%)

Magenta (54%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4176E8 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 4176E8 by changing the saturation by 10% instead.



 4176E8

 4176E8

FFFFFF

 065ECB

 84AAFF

 0047AF

 A3C5FF


 003194

 C2E0FF

 001E7A

 E0FDFF

 000560

 000847

 000430

 00011A

 000000

■ 4176E8

■ 4176E8

■ 2A66E8

■ 5886E8

■ 1356E8

■ 6F96E8

■ 004AE8

■ 87A6E8

■ 9EB5E8

■ B5C5E8

■ CCD5E8

■ E3E5E8

■ FBF5E8

■ FFFF E8

# Harmonies

## Analogous

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



0089EB



4176E8



A85BC8

# Triad

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



4176E8



CD5726



009362

# Complementary

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



4176E8



E8B341

# 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.



278E27



4176E8



A77100

# Square

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



4176E8



DF3F5C



748300



00959D

# Rectangle

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



4176E8



CA48A7



748300



00924E



# Sweetspot

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



4176E8



C7D9FF



41E8B0



5E6980



000000



808080



# Same Dimension

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



4176E8



2469FF



5D41E8



676B73



0039B3



001033



# Inverse Universe

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



E84176



FF2469



CCE841



73676B



B30039



330010



# Previews

## White Background



This preview shows how the Hex color 4176E8 looks on a white background.

## Color Contrast Check

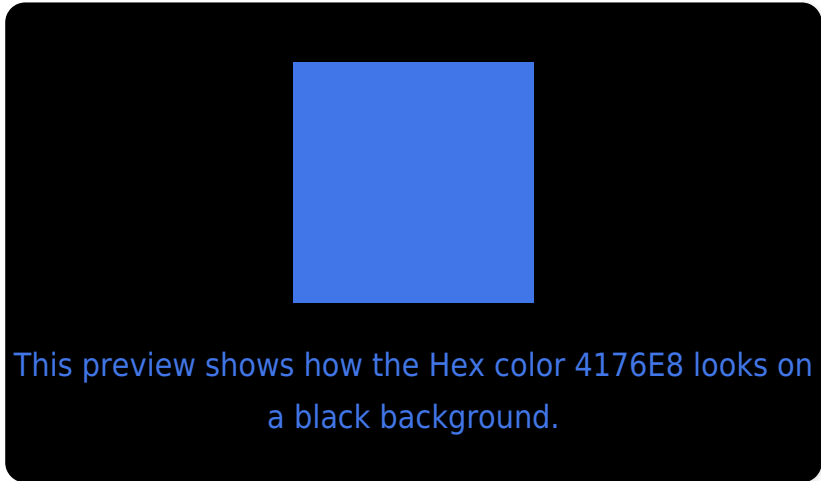
Large Text (above 18pt) WCAG AA ✓ Pass

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

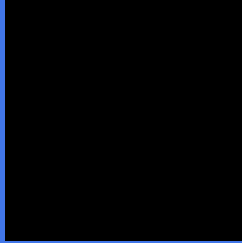
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

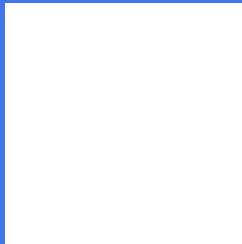
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4176E8 Background



This preview shows how black text looks on a background with the Hex color 4176E8.



This preview shows how white text looks on a background with the Hex color 4176E8.

# 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**  
4176E8

**Protanopia**  
3B77E9

**Deuteranopia**  
007DDC



**Tritanopia**  
008892

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4176E8 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 #4176E8 looks like.

```
.text, #text, p{  
    color:#4176E8  
}
```

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 #4176E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4176E8  
}
```

## Border

The CSS property to change the border of an element to Hex 4176E8 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  
#4176E8 }
```

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

```
.border{ border-color:#4176E8 }
```

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

Here you see how a box with a 4 pixel #4176E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4176E8; -webkit-box-shadow:4px 4px  
4px 4px #4176E8; box-shadow:4px 4px 4px  
4px #4176E8 }
```

# Background

The CSS property to change the background color of an element to Hex 4176E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4176E8 }
```

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

```
.background{ background-color:#4176E8 }
```

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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