

# Converting Colors

Hex(1E7EC7)

Have a look what the booklet for  
Hex(1E7EC7) contains.

<b>Hex(1E7EC7)</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(1E7EC7)

# Conversions

## Conversions Part 1

Format	Color
Hex	1E7EC7
RGB	30, 126, 199
RGB Percent	12%, 49%, 78%
CMY	0.8824, 0.5059, 0.2196
CMYK	0.85, 0.37, 0.00, 0.22
HSL	206°, 74%, 45%
HSV	206°, 85%, 78%
XYZ	18.3051, 19.3212, 56.7974
YIQ	105.6180, -80.6490, 2.3510

# Conversions

## Conversions Part 2

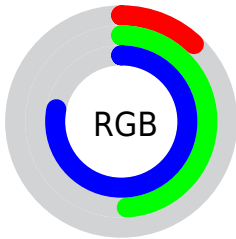
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	30, 91, 199
Decimal	1998535
CIE Lab	51.06, -0.31, -45.38
CIE LCh	51, 45.376, 269.607
Yxy	19.3212, 0.1939, 0.2046
Android (android.graphics.Color)	4280188615 (0xFF1E7EC7)
YUV	105.6180, 46.0373, -66.3170
Hunter-Lab	43.9559, -2.5881, -45.8421

# Details

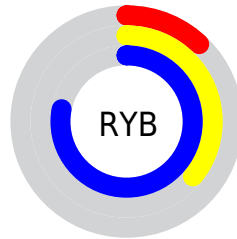
The Hex color **1E7EC7** is a dark color, and the websafe version is hex **336699**. The color can be described as dark washed azure. A complement of this color would be **C7671E**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **69B2FF**, and **004E91** is the 20% darker color. If you saturate the color by 10%, you get **0A75C7**, and if you desaturate by 10%, it is **3287C7**.

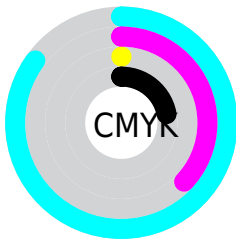
# Distribution



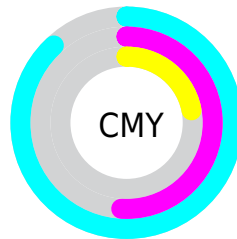
- Red (12%)
- Green (49%)
- Blue (78%)



- Red (12%)
- Yellow (36%)
- Blue (78%)



- Cyan (85%)
- Magenta (37%)
- Yellow (0%)
- Black (22%)



- Cyan (88%)
- Magenta (51%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E7EC7 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 1E7EC7 by changing the saturation by 10% instead.



■ 1E7EC7

■ 1E7EC7

FFFFFF

■ 0065AB

■ 69B2FF

■ 004E91

■ 88CEFF

■ 003776

■ A6EAFF

■ 00235D

■ C4FFFF

■ 000C45

■ E3FFFF

■ 00042E

■ 000118

■ 000000

■ 1E7EC7

■ 1E7EC7

■ 0A75C7

■ 3287C7

■ 0071C7

■ 468FC7

■ 5A98C7

■ 6EA0C7

■ 82A9C7

■ 95B2C7

■ A9BAC7

■ BDC3C7

■ D1CBC7

# Harmonies

## Analogous

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



0088BC



1E7EC7



7A70BD

# Triad

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



1E7EC7



BF5C56



338951

# Complementary

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



1E7EC7



C7671E

# 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.



698332



1E7EC7



AE6937

# Square

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



1E7EC7



BF577C



8F7727



008D78

# Rectangle

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



1E7EC7



9C65AC



8F7727



488845



# Sweetspot

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



1E7EC7



BFE3FF



1EC764



596F80



000000



808080



# Same Dimension

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



1E7EC7



0091FF



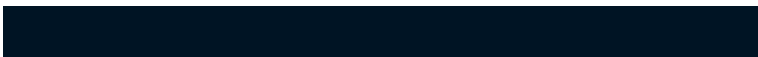
1E2CC7



5A5F63



005DA3



001424



# Inverse Universe

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



C71E7E



FF0091



C7B91E



635A5F



A3005D



240014



# Previews

## White Background



This preview shows how the Hex color 1E7EC7 looks on a white background.

## Color Contrast Check

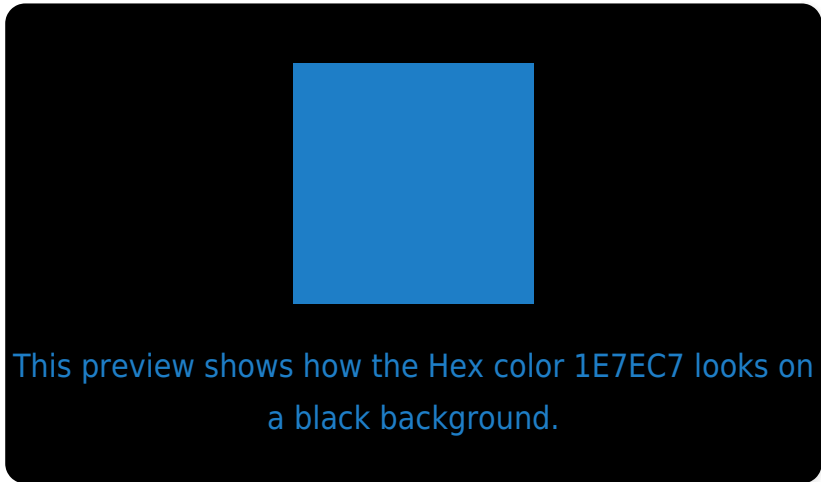
Large Text (above 18pt) WCAG AA ✓ Pass

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 1E7EC7 Background



This preview shows how black text looks on a background with the Hex color 1E7EC7.

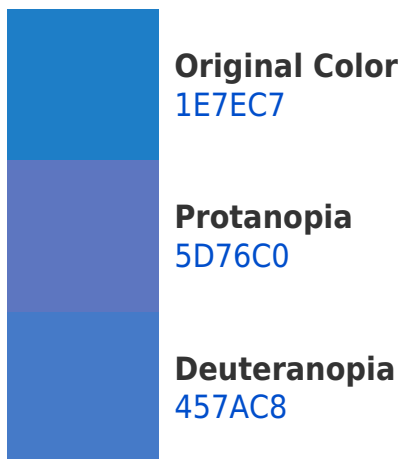


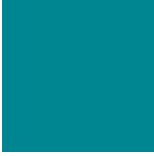
This preview shows how white text looks on a background with the Hex color 1E7EC7.

# 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



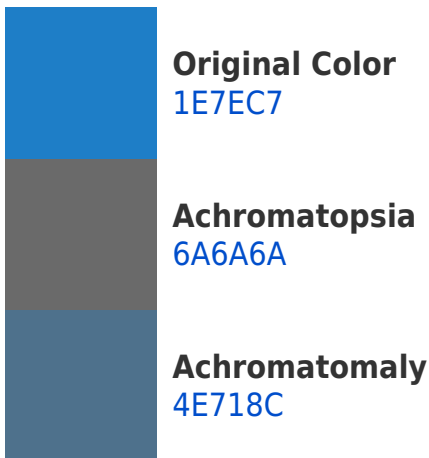


**Tritanopia**  
008690

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E7EC7 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 #1E7EC7 looks like.

```
.text, #text, p{  
    color:#1E7EC7  
}
```

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 #1E7EC7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E7EC7
}
```

## Border

The CSS property to change the border of an element to Hex 1E7EC7 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
#1E7EC7 }
```

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

```
.border{ border-color:#1E7EC7 }
```

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

Here you see how a box with a 4 pixel #1E7EC7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E7EC7; -webkit-box-shadow:4px 4px  
4px 4px #1E7EC7; box-shadow:4px 4px 4px  
4px #1E7EC7 }
```

# Background

The CSS property to change the background color of an element to Hex 1E7EC7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E7EC7 }
```

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

```
.background{ background-color:#1E7EC7 }
```

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