

# Converting Colors

Hex(1E78B0)

Have a look what the booklet for  
Hex(1E78B0) contains.

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# Color

Hex(1E78B0)

# Conversions

## Conversions Part 1

Format	Color
Hex	1E78B0
RGB	30, 120, 176
RGB Percent	12%, 47%, 69%
CMY	0.8824, 0.5294, 0.3098
CMYK	0.83, 0.32, 0.00, 0.31
HSL	203°, 71%, 40%
HSV	203°, 83%, 69%
XYZ	15.0884, 16.8436, 43.5302
YIQ	99.4740, -71.6160, -1.6640

# Conversions

## Conversions Part 2

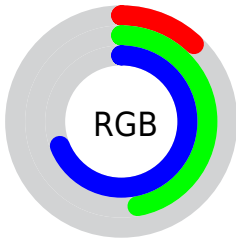
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 86, 176
Decimal	1996976
CIE <sub>Lab</sub>	48.06, -5.40, -36.88
CIE <sub>LCh</sub>	48, 37.276, 261.671
Yxy	16.8436, 0.1999, 0.2232
Android (android.graphics.Color)	4280187056 (0xFF1E78B0)
YUV	99.4740, 37.7273, -60.9287
Hunter-Lab	41.0409, -6.1974, -34.1575

# Details

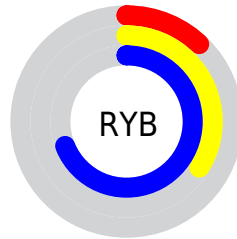
The Hex color **1E78B0** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **B0561E**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **64ACE8**, and **00487B** is the 20% darker color. If you saturate the color by 10%, you get **0C71B0**, and if you desaturate by 10%, it is **307FB0**.

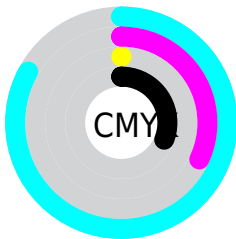
# Distribution



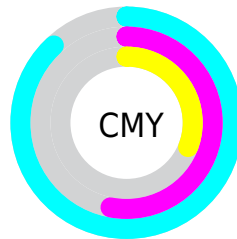
- Red (12%)
- Green (47%)
- Blue (69%)



- Red (12%)
- Yellow (34%)
- Blue (69%)



- Cyan (83%)
- Magenta (32%)
- Yellow (0%)
- Black (31%)



- Cyan (88%)
- Magenta (53%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E78B0 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 1E78B0 by changing the saturation by 10% instead.



■ 1E78B0

■ 1E78B0

FFFFFF

■ 005F95

■ 64ACE8

■ 00487B

■ 82C7FF

■ 003262

■ 9FE3FF

■ 001D4A

■ BDFFFF

■ 000433

■ DAFFFF

■ 00021D

■ F9FFFF

■ 000000

■ 1E78B0

■ 1E78B0

■ 0C71B0

■ 307FB0

006CB0

4186B0

538CB0

6493B0

769AB0

88A1B0

99A7B0

ABAEB0

BCB5B0

# Harmonies

## Analogous

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



007FA3



1E78B0



666DAD

# Triad

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



1E78B0



AD595D



497E4A

# Complementary

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



1E78B0



B0561E

# 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.



6E7735



1E78B0



A36242

# Square

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



1E78B0



A8597C



8C6D32



008268

# Rectangle

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



1E78B0



8565A1



8C6D32



567C41



# Sweetspot

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



1E78B0



ACCFE6



1EB056



506673



F2F2F2



737373



# Same Dimension

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



1E78B0



008DE6



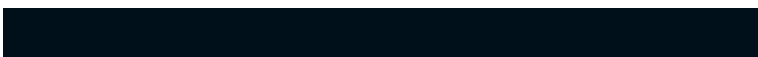
1E2FB0



505659



005E99



00101A



# Inverse Universe

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



B01E78



E6008D



B09F1E



595056



99005E



1A0010



# Previews

## White Background



This preview shows how the Hex color 1E78B0 looks on a white background.

## Color Contrast Check

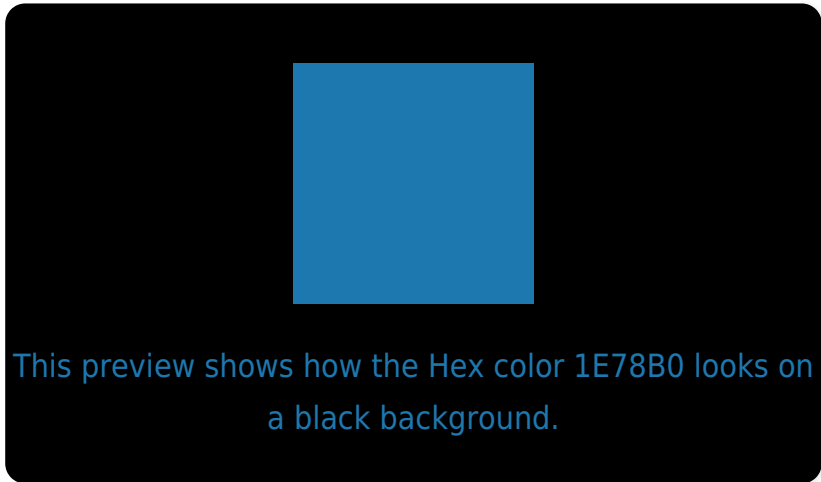
Large Text (above 18pt) WCAG AA ✓ Pass

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

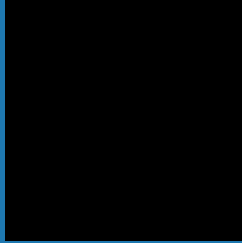
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E78B0 Background



This preview shows how black text looks on a background with the Hex color 1E78B0.

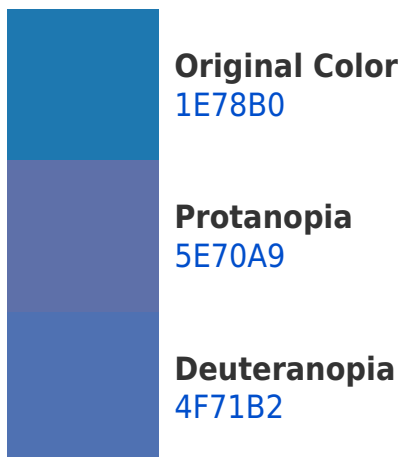


This preview shows how white text looks on a background with the Hex color 1E78B0.

# 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](#).

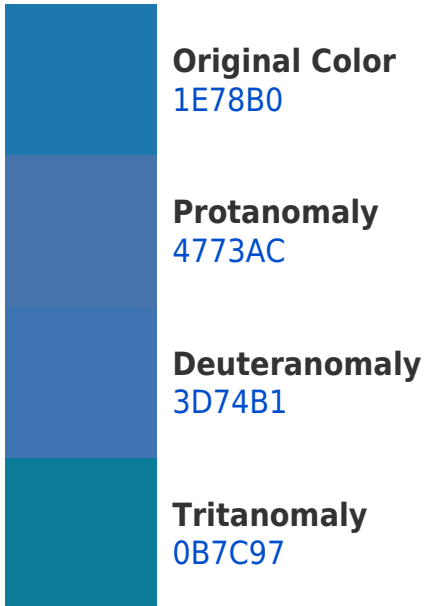
## Dichromacy



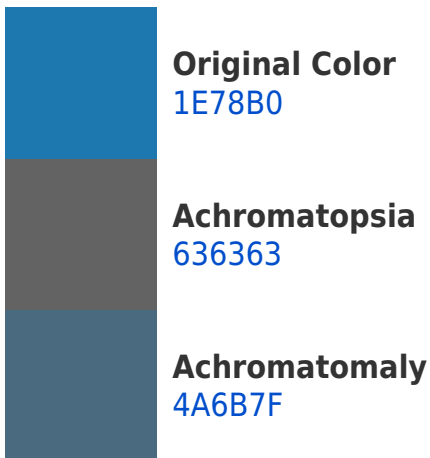


**Tritanopia**  
007E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E78B0 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 #1E78B0 looks like.

```
.text, #text, p{  
    color:#1E78B0  
}
```

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 #1E78B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E78B0
}
```

## Border

The CSS property to change the border of an element to Hex 1E78B0 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
#1E78B0 }
```

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

```
.border{ border-color:#1E78B0 }
```

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

Here you see how a box with a 4 pixel #1E78B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E78B0; -webkit-box-shadow:4px 4px  
4px 4px #1E78B0; box-shadow:4px 4px 4px  
4px #1E78B0 }
```

# Background

The CSS property to change the background color of an element to Hex 1E78B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E78B0 }
```

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

```
.background{ background-color:#1E78B0 }
```

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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