

# Converting Colors

Hex(1786B5)

Have a look what the booklet for  
Hex(1786B5) contains.

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# Color

**Hex(1786B5)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1786B5
RGB	23, 134, 181
RGB Percent	9%, 53%, 71%
CMY	0.9098, 0.4745, 0.2902
CMYK	0.87, 0.26, 0.00, 0.29
HSL	198°, 77%, 40%
HSV	198°, 87%, 71%
XYZ	17.2189, 20.5685, 46.7787
YIQ	106.1690, -81.2430, -8.9150

# Conversions

## Conversions Part 2

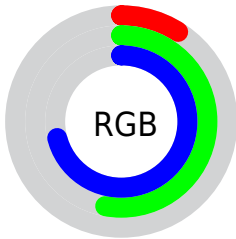
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 88, 181
Decimal	1541813
CIE Lab	52.47, -12.23, -32.85
CIE LCh	52, 35.056, 249.583
Yxy	20.5685, 0.2036, 0.2432
Android (android.graphics.Color)	4279731893 (0xFF1786B5)
YUV	106.1690, 36.8917, -72.9392
Hunter-Lab	45.3526, -11.5962, -29.4076

# Details

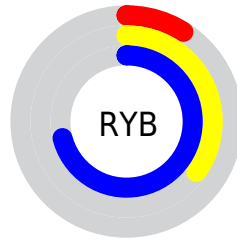
The Hex color **1786B5** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **B54617**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **63BBED**, and **005480** is the 20% darker color. If you saturate the color by 10%, you get **0581B5**, and if you desaturate by 10%, it is **298BB5**.

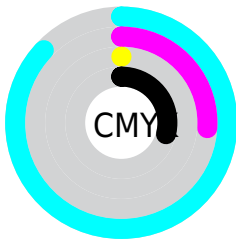
# Distribution



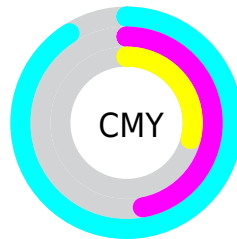
- Red (9%)
- Green (53%)
- Blue (71%)



- Red (9%)
- Yellow (35%)
- Blue (71%)



- Cyan (87%)
- Magenta (26%)
- Yellow (0%)
- Black (29%)



- Cyan (91%)
- Magenta (47%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1786B5 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 1786B5 by changing the saturation by 10% instead.



■ 1786B5

■ 1786B5

FFFFFF

■ 006D9A

■ 63BBED

■ 005480

■ 81D7FF

■ 003D67

■ 9FF3FF

■ 00284E

■ BDFFFF

■ 001337

■ DBFFFF

■ 000221

■ F9FFFF

■ 000006

■ 000000

■ 1786B5

■ 1786B5

0581B5

298BB5

007FB5

3B91B5

4D96B5

5F9CB5

72A1B5

84A6B5

96ACB5

A8B1B5

BAB6B5

# Harmonies

## Analogous

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



008BA3



1786B5



5F7DB8

# Triad

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



1786B5



B76575



66874D

# Complementary

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



1786B5



B54617

# 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.



877F40



1786B5



B36A58

# Square

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



1786B5



AA6893



A17445



3E8B67

# Rectangle

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



1786B5



7F76B2



A17445



728447



# Sweetspot

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



1786B5



AED8EB



17B544



516A75



F5F5F5



757575



# Same Dimension

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



1786B5



00A5EB



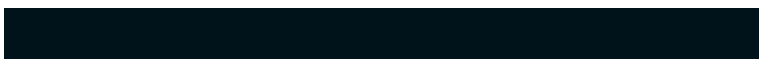
1739B5



505759



006B99



00121A



# Inverse Universe

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



B51786



EB00A5



B59317



595057



99006B



1A0012



# Previews

## White Background



This preview shows how the Hex color 1786B5 looks on a white background.

## Color Contrast Check

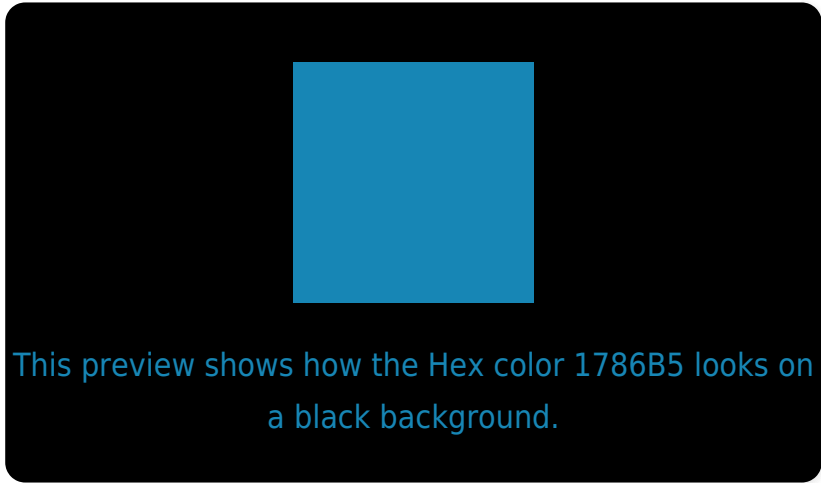
Large Text (above 18pt) WCAG AA ✓ Pass

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

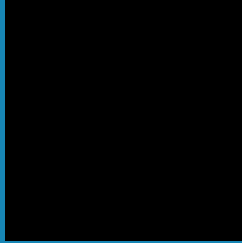
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 1786B5 Background



This preview shows how black text looks on a background with the Hex color 1786B5.

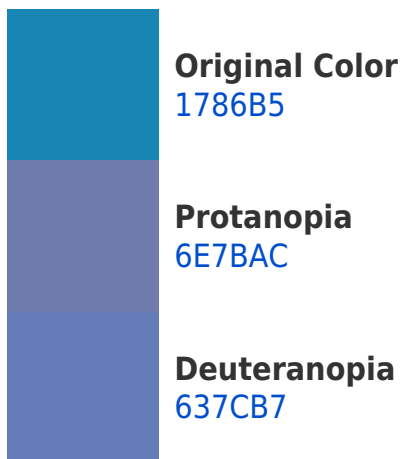


This preview shows how white text looks on a background with the Hex color 1786B5.

# 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**  
008A95

# Trichromacy



**Original Color**  
1786B5

**Protanomaly**  
4E7FAF

**Deuteranomaly**  
4780B6

**Tritanomaly**  
0889A1

# Monochromacy



**Original Color**  
1786B5

**Achromatopsia**  
6A6A6A

**Achromatomaly**  
4C7485

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1786B5 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 #1786B5 looks like.

```
.text, #text, p{  
    color:#1786B5  
}
```

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 #1786B5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1786B5
}
```

## Border

The CSS property to change the border of an element to Hex 1786B5 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
#1786B5 }
```

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

```
.border{ border-color:#1786B5 }
```

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

Here you see how a box with a 4 pixel #1786B5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1786B5; -webkit-box-shadow:4px 4px  
4px 4px #1786B5; box-shadow:4px 4px 4px  
4px #1786B5 }
```

# Background

The CSS property to change the background color of an element to Hex 1786B5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1786B5 }
```

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

```
.background{ background-color:#1786B5 }
```

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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