

Converting Colors

Hex(1B77D6)

Have a look what the booklet for
Hex(1B77D6) contains.

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Color

Hex(1B77D6)

Conversions

Conversions Part 1

Format	Color
Hex	1B77D6
RGB	27, 119, 214
RGB Percent	11%, 47%, 84%
CMY	0.8941, 0.5333, 0.1608
CMYK	0.87, 0.44, 0.00, 0.16
HSL	210°, 78%, 47%
HSV	210°, 87%, 84%
XYZ	19.1864, 18.2817, 66.1358
YIQ	102.3220, -85.3270, 10.0410

Conversions

Conversions Part 2

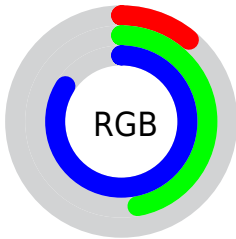
Format	Color
RYB	27, 89, 214
Decimal	1800150
CIELab	49.84, 9.53, -55.87
CIELCh	50, 56.674, 279.681
Yxy	18.2817, 0.1852, 0.1765
Android (android.graphics.Color)	4279990230 (0xFF1B77D6)
YUV	102.3220, 55.0573, -66.0574
Hunter-Lab	42.7571, 5.2735, -61.7786




Details

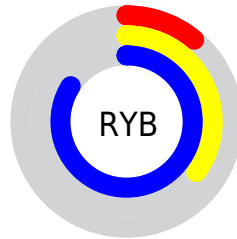
The Hex color **1B77D6** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **D67A1B**, and the grayscale version is **666666**.




A 20% lighter version of the original color is **6CABFF**, and **00489E** is the 20% darker color. If you saturate the color by 10%, you get **066CD6**, and if you desaturate by 10%, it is **3082D6**.

Distribution







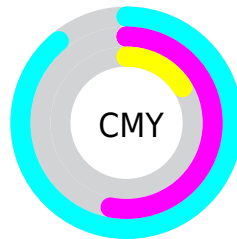
-  Red (11%)
-  Green (47%)
-  Blue (84%)






-  Red (11%)
-  Yellow (35%)
-  Blue (84%)



-  Cyan (87%)
-  Magenta (44%)
-  Yellow (0%)
-  Black (16%)



-  Cyan (89%)
-  Magenta (53%)
-  Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B77D6 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 1B77D6 by changing the saturation by 10% instead.

■ 1B77D6

■ 1B77D6

FFFFFF

■ 005FBA

■ 6CABFF

■ 00489E

■ 8BC6FF

■ 003284

■ AAE2FF

■ 001F6A

■ C9FEFF

■ 000451

■ E7FFFF

■ 000539

■ 000223

■ 000009

■ 000000

■ 1B77D6

■ 1B77D6

■ 066CD6

■ 3082D6

■ 0069D6

■ 468DD6

■ 5B98D6

■ 71A2D6

■ 86ADD6

■ 9BB8D6

■ B1C3D6

■ C6CED6

■ DCD9D6

Harmonies

Analogous

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



0085D1



1B77D6



8C63C1

Triad

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



1B77D6



C4533B



008B53

Complementary

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



1B77D6



D67A1B

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.



4B8525



1B77D6



A86812

Square

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



1B77D6



CD4669



807900



008D85

Rectangle

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



1B77D6



B054A8



807900



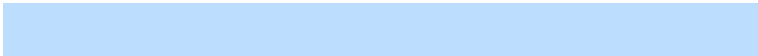
008943

Sweetspot

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



1B77D6



BDDDFE



1BD679



586B80



000000



808080

Same Dimension

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



1B77D6



007DFF



1B1BD6



60666B



0054AB



00152B

Inverse Universe

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



D61B77



FF007D



D6D61B



6B6066



AB0054



2B0015

Previews

White Background



This preview shows how the Hex color 1B77D6 looks on a white background.

Color Contrast Check

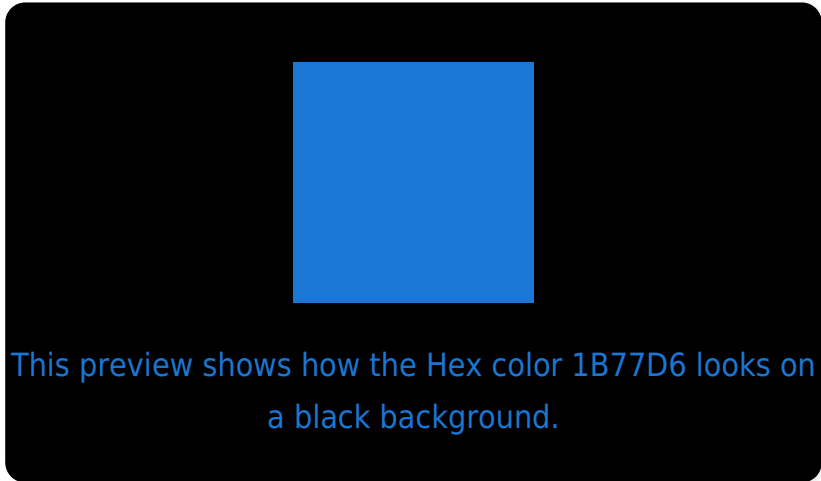
Large Text (above 18pt) WCAG AA ✓ Pass

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

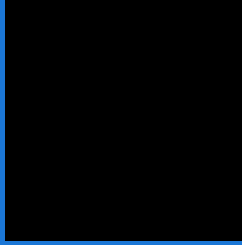
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

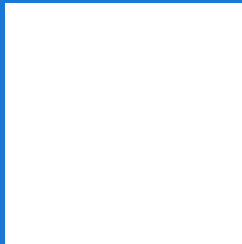
Any Text WCAG AAA × Fail

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

Hex 1B77D6 Background



This preview shows how black text looks on a background with the Hex color 1B77D6.

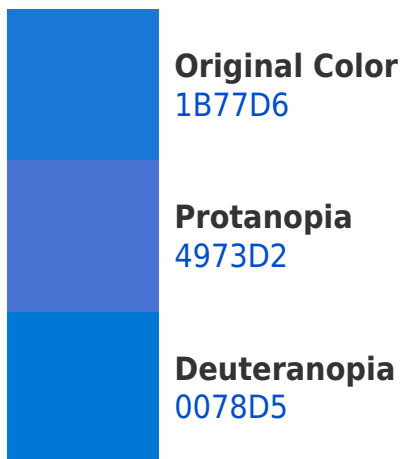


This preview shows how white text looks on a background with the Hex color 1B77D6.

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](#).

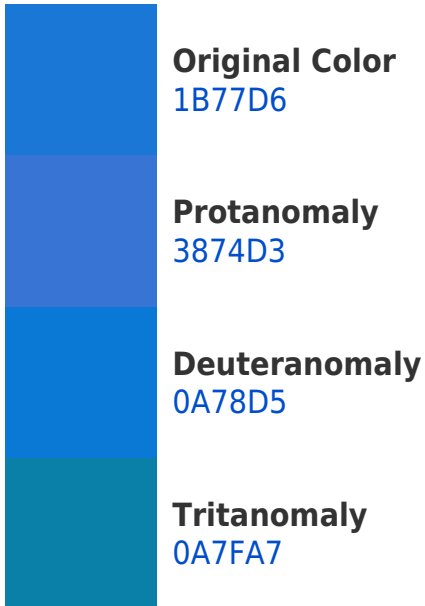
Dichromacy



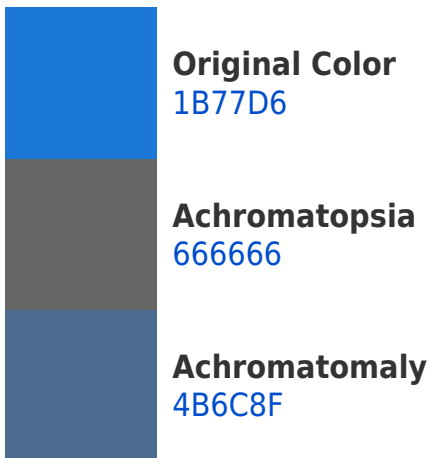


Tritanopia
00838C

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 1B77D6 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 #1B77D6 looks like.

```
.text, #text, p{  
    color:#1B77D6  
}
```

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 #1B77D6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B77D6
}
```

Border

The CSS property to change the border of an element to Hex 1B77D6 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
#1B77D6 }
```

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

```
.border{ border-color:#1B77D6 }
```

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

Here you see how a box with a 4 pixel #1B77D6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B77D6; -webkit-box-shadow:4px 4px  
4px 4px #1B77D6; box-shadow:4px 4px 4px  
4px #1B77D6 }
```

Background

The CSS property to change the background color of an element to Hex 1B77D6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B77D6 }
```

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

```
.background{ background-color:#1B77D6 }
```

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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