

# Converting Colors

Hex(1B4DBB)

Have a look what the booklet for  
Hex(1B4DBB) contains.

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# Color

**Hex(1B4DBB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B4DBB
RGB	27, 77, 187
RGB Percent	11%, 30%, 73%
CMY	0.8941, 0.6980, 0.2667
CMYK	0.86, 0.59, 0.00, 0.27
HSL	221°, 75%, 42%
HSV	221°, 86%, 73%
XYZ	12.0755, 9.1286, 48.1393
YIQ	74.5900, -65.1100, 23.6100

# Conversions

## Conversions Part 2

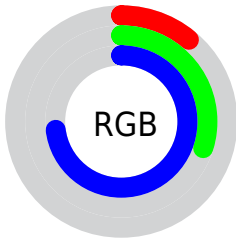
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">27, 65, 187</a>
Decimal	<a href="#">1789371</a>
CIELab	<a href="#">36.23, 26.23, -62.31</a>
CIELCh	<a href="#">36, 67.603, 292.826</a>
Yxy	<a href="#">9.1286, 0.1741, 0.1316</a>
Android (android.graphics.Color)	<a href="#">4279979451 (0xFF1B4DBB)</a>
YUV	<a href="#">74.5900, 55.4181, -41.7364</a>
Hunter-Lab	<a href="#">30.2136, 18.4675, -73.3171</a>

# Details

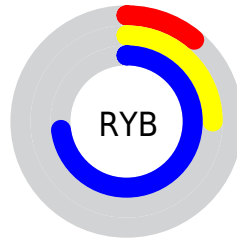
The Hex color **1B4DBB** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **BB891B**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **667DF4**, and **002285** is the 20% darker color. If you saturate the color by 10%, you get **0840BB**, and if you desaturate by 10%, it is **2E5ABB**.

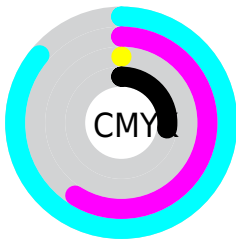
# Distribution



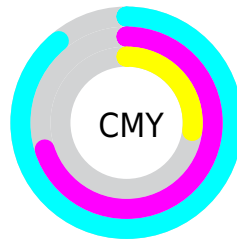
- Red (11%)
- Green (30%)
- Blue (73%)



- Red (11%)
- Yellow (25%)
- Blue (73%)



- Cyan (86%)
- Magenta (59%)
- Yellow (0%)
- Black (27%)



- Cyan (89%)
- Magenta (70%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B4DBB 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 1B4DBB by changing the saturation by 10% instead.



 1B4DBB

 1B4DBB

FFFFFF

 00379F


 667DF4

 002285

 8597FF

 00106B

 A3B2FF

 000352

 C1CDFF

 00053A

 DFE9FF

 000223

FEFFFF

 00000A

 000000

 1B4DBB

 1B4DBB

■ 0840BB

■ 2E5ABB

■ 003ABB

■ 4067BB

■ 5374BB

■ 6680BB

■ 788DBB

■ 8B9ABB

■ 9EA7BB

■ B1B4BB

■ C3C1BB

# Harmonies

## Analogous

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



0060C3



1B4DBB



872B98

# Triad

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



1B4DBB



993300



006A46

# Complementary

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



1B4DBB



BB891B

# 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.



006702



1B4DBB



744F00

# Square

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



1B4DBB



AF002F



415F00



006B7E

# Rectangle

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



1B4DBB



A30077



415F00



006A33



# Sweetspot

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



1B4DBB



B3C7F2



1BBB88



54607A



FAFAFA



7A7A7A



# Same Dimension

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



1B4DBB



004CF2



381BBB



55585E



00319E



000A1F



# Inverse Universe

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



BB1B4D



F2004C



9EBB1B



5E5558



9E0031



1F000A



# Previews

## White Background



This preview shows how the Hex color 1B4DBB looks on a white background.

## Color Contrast Check

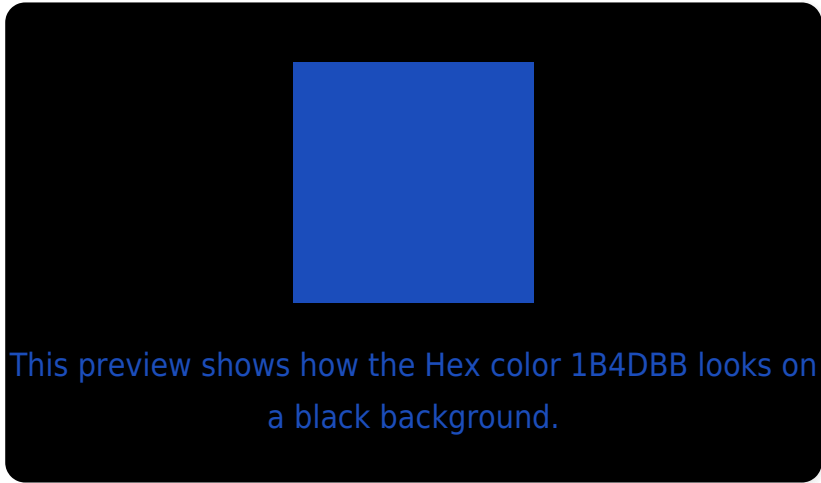
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

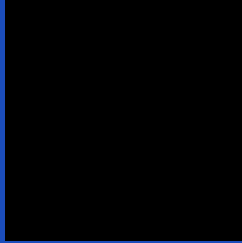
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B4DBB Background



This preview shows how black text looks on a background with the Hex color 1B4DBB.



This preview shows how white text looks on a background with the Hex color 1B4DBB.

# 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**  
1B4DBB

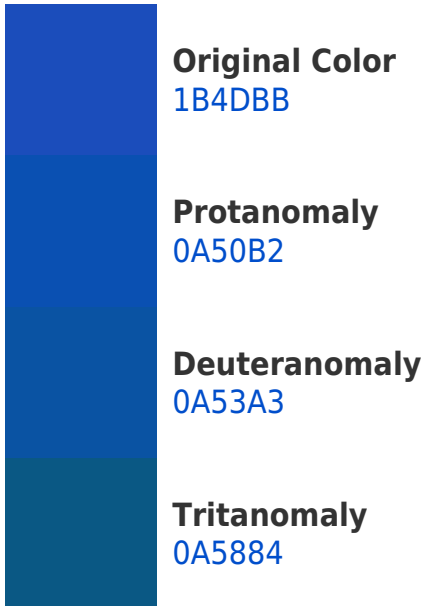
**Protanopia**  
0052AD

**Deuteranopia**  
005795



**Tritanopia**  
005E64

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B4DBB 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 #1B4DBB looks like.

```
.text, #text, p{  
    color:#1B4DBB  
}
```

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 #1B4DBB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B4DBB
}
```

## Border

The CSS property to change the border of an element to Hex 1B4DBB 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
#1B4DBB }
```

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

```
.border{ border-color:#1B4DBB }
```

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

Here you see how a box with a 4 pixel #1B4DBB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B4DBB; -webkit-box-shadow:4px 4px  
4px 4px #1B4DBB; box-shadow:4px 4px 4px  
4px #1B4DBB }
```

# Background

The CSS property to change the background color of an element to Hex 1B4DBB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B4DBB }
```

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

```
.background{ background-color:#1B4DBB }
```

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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