

# Converting Colors

Hex(1833D7)

Have a look what the booklet for  
Hex(1833D7) contains.

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# Color

**Hex(1833D7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1833D7
RGB	24, 51, 215
RGB Percent	9%, 20%, 84%
CMY	0.9059, 0.8000, 0.1569
CMYK	0.89, 0.76, 0.00, 0.16
HSL	232°, 80%, 47%
HSV	232°, 89%, 84%
XYZ	13.8263, 7.4681, 65.0027
YIQ	61.6230, -68.7360, 45.2800

# Conversions

## Conversions Part 2

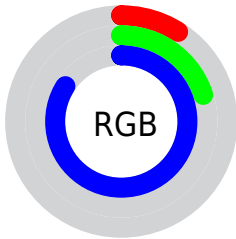
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 48, 215
Decimal	1586135
CIE <sub>Lab</sub>	32.85, 52.40, -84.18
CIE <sub>LCh</sub>	33, 99.159, 301.902
Yxy	7.4681, 0.1602, 0.0865
Android (android.graphics.Color)	4279776215 (0xFF1833D7)
YUV	61.6230, 75.6149, -32.9954
Hunter-Lab	27.3279, 42.4863, -121.8990

# Details

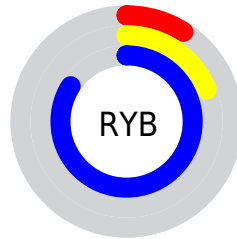
The Hex color **1833D7** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D7BC18**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **7063FF**, and **00069F** is the 20% darker color. If you saturate the color by 10%, you get **0321D7**, and if you desaturate by 10%, it is **2E45D7**.

# Distribution



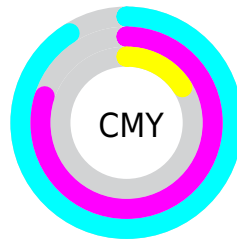
- Red (9%)
- Green (20%)
- Blue (84%)



- Red (9%)
- Yellow (19%)
- Blue (84%)



- Cyan (89%)
- Magenta (76%)
- Yellow (0%)
- Black (16%)



- Cyan (91%)
- Magenta (80%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1833D7 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 1833D7 by changing the saturation by 10% instead.



 1833D7

 1833D7

FFFFFF

 001CBA

 7063FF

 00069F

 907DFF

 000084

 B097FF

 000169

 D0B2FF


 000A50

 EFCEFF

 000538

 FFEBFF

 000222

 000007

 000000

■ 1833D7

■ 1833D7

■ 0321D7

■ 2E45D7

■ 001ED7

■ 4358D7

■ 596AD7

■ 6E7DD7

■ 848FD7

■ 99A2D7

■ AFB4D7

■ C4C7D7

■ DAD9D7

# Harmonies

## Analogous

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



005AF0



1833D7



A70099

# Triad

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



1833D7



962000



006651

# Complementary

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



1833D7



D7BC18

# 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.



006400



1833D7



5B4D00

# Square

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



1833D7



BE0000



005E00



0068A0

# Rectangle

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



1833D7



C30066



005E00



006635



# Sweetspot

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



1833D7



BAC4FF



18D7BA



575C80



000000



808080



# Same Dimension

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



1833D7



0024FF



5B18D7



60626B



0018AB



00062B



# Inverse Universe

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



D71833



FF0024



94D718



6B6062



AB0018

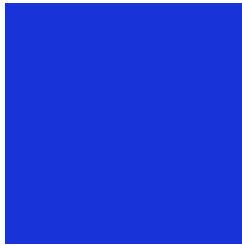


2B0006



# Previews

## White Background



This preview shows how the Hex color 1833D7 looks on a white background.

## Color Contrast Check

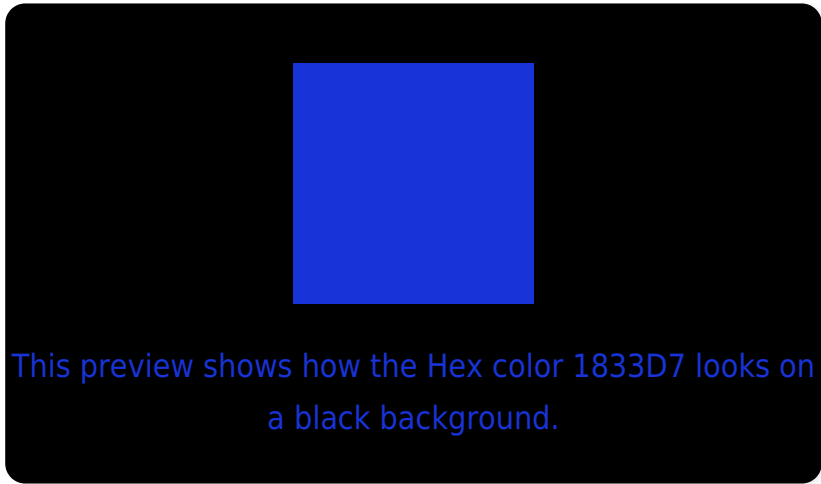
Large Text (above 18pt) WCAG AA ✓ Pass

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

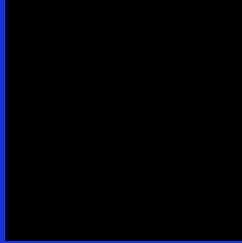
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1833D7 Background



This preview shows how black text looks on a background with the Hex color 1833D7.



This preview shows how white text looks on a background with the Hex color 1833D7.

# 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**  
00555A

# Trichromacy



**Original Color**  
1833D7

**Protanomaly**  
0942B1

**Deuteranomaly**  
0945A2

**Tritanomaly**  
094987

# Monochromacy



**Original Color**  
1833D7

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
303A76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1833D7 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 #1833D7 looks like.

```
.text, #text, p{  
    color:#1833D7  
}
```

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 #1833D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1833D7
}
```

## Border

The CSS property to change the border of an element to Hex 1833D7 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
#1833D7 }
```

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

```
.border{ border-color:#1833D7 }
```

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

Here you see how a box with a 4 pixel #1833D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1833D7; -webkit-box-shadow:4px 4px  
4px 4px #1833D7; box-shadow:4px 4px 4px  
4px #1833D7 }
```

# Background

The CSS property to change the background color of an element to Hex 1833D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1833D7 }
```

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

```
.background{ background-color:#1833D7 }
```

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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