

Converting Colors

Hex(1233D0)

Have a look what the booklet for
Hex(1233D0) contains.

Hex(1233D0)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1233D0)

Conversions

Conversions Part 1

Format	Color
Hex	1233D0
RGB	18, 51, 208
RGB Percent	7%, 20%, 82%
CMY	0.9294, 0.8000, 0.1843
CMYK	0.91, 0.75, 0.00, 0.18
HSL	230°, 84%, 44%
HSV	230°, 91%, 82%
XYZ	12.8184, 7.0503, 60.3597
YIQ	59.0310, -70.0650, 41.8310

Conversions

Conversions Part 2

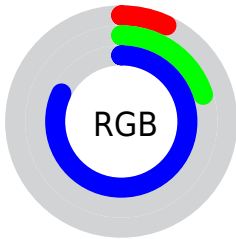
Format	Color
RYB	18, 46, 208
Decimal	1192912
CIELab	31.92, 49.85, -81.67
CIELCh	32, 95.686, 301.400
Yxy	7.0503, 0.1598, 0.0879
Android (android.graphics.Color)	4279382992 (0xFF1233D0)
YUV	59.0310, 73.4417, -35.9842
Hunter-Lab	26.5524, 39.7059, -116.1930

Details

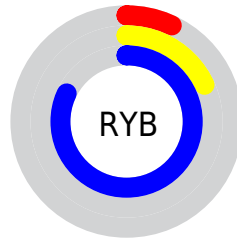
The Hex color **1233D0** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **D0AF12**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **6C63FF**, and **000798** is the 20% darker color. If you saturate the color by 10%, you get **0024D0**, and if you desaturate by 10%, it is **2744D0**.

Distribution



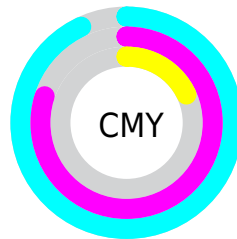
- Red (7%)
- Green (20%)
- Blue (82%)



- Red (7%)
- Yellow (18%)
- Blue (82%)



- Cyan (91%)
- Magenta (75%)
- Yellow (0%)
- Black (18%)



- Cyan (93%)
- Magenta (80%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1233D0 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 1233D0 by changing the saturation by 10% instead.

 1233D0

 1233D0

FFFFFF

 001DB4

 6C63FF

 000798

 8C7CFF

 00007D

 AC97FF

 000463

 CBB2FF

 00094A

 EACDFF

 000432

 FFEAFF

 00021C

 000000

 1233D0

 1233D0

■ 0024D0

■ 2744D0

■ 3C55D0

■ 5067D0

■ 6578D0

■ 7A89D0

■ 8F9AD0

■ A4ABD0

■ B8BCD0

■ CDCED0

Harmonies

Analogous

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



0058E8



1233D0



A00095

Triad

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



1233D0



921F00



00634D

Complementary

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



1233D0



D0AF12

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.



006100



1233D0



5A4B00

Square

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



1233D0



B80000



005B00



00659A

Rectangle

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



1233D0



BC0064



005B00



006332

Sweetspot

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



1233D0



BAC6FF



12D0AD



575E80



000000



808080

Same Dimension

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



1233D0



002CFF



4E12D0



5E6069



001DA8



000729

Inverse Universe

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



D01233



FF002C



94D012



695E60



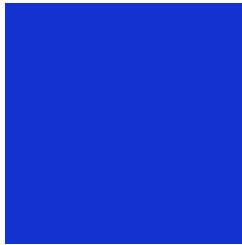
A8001D



290007

Previews

White Background



This preview shows how the Hex color 1233D0 looks on a white background.

Color Contrast Check

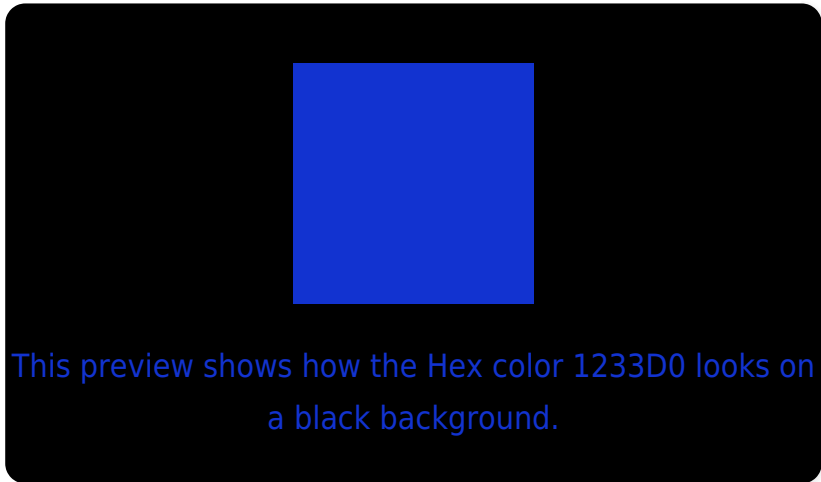
Large Text (above 18pt) WCAG AA ✓ Pass

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

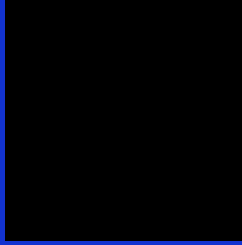
Any Text WCAG AA × Fail

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 1233D0 Background



This preview shows how black text looks on a background with the Hex color 1233D0.



This preview shows how white text looks on a background with the Hex color 1233D0.

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



Trichromacy



Original Color
1233D0

Protanomaly
0740AC

Deuteranomaly
07449E

Tritanomaly
074783

Monochromacy



Original Color
1233D0

Achromatopsia
3B3B3B

Achromatomaly
2C3871

CSS Examples

Text

The CSS property to change the color of the text to Hex 1233D0 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 #1233D0 looks like.

```
.text, #text, p{  
    color:#1233D0  
}
```

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 #1233D0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1233D0
}
```

Border

The CSS property to change the border of an element to Hex 1233D0 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
#1233D0 }
```

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

```
.border{ border-color:#1233D0 }
```

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

Here you see how a box with a 4 pixel #1233D0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1233D0; -webkit-box-shadow:4px 4px  
4px 4px #1233D0; box-shadow:4px 4px 4px  
4px #1233D0 }
```

Background

The CSS property to change the background color of an element to Hex 1233D0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1233D0 }
```

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

```
.background{ background-color:#1233D0 }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor