

Converting Colors

Hex(16BD12)

Have a look what the booklet for
Hex(16BD12) contains.

Hex(16BD12)	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(16BD12)

Conversions

Conversions Part 1

Format	Color
Hex	16BD12
RGB	22, 189, 18
RGB Percent	9%, 74%, 7%
CMY	0.9137, 0.2588, 0.9294
CMYK	0.88, 0.00, 0.90, 0.26
HSL	119°, 83%, 41%
HSV	119°, 90%, 74%
XYZ	18.6377, 36.6094, 6.6563
YIQ	119.5730, -44.6410, -88.5850

Conversions

Conversions Part 2

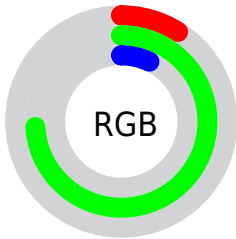
Format	Color
RYB	18, 189, 185
Decimal	1490194
CIELab	66.98, -67.20, 64.29
CIELCh	67, 93.000, 136.270
Yxy	36.6094, 0.3011, 0.5914
Android (android.graphics.Color)	4279680274 (0xFF16BD12)
YUV	119.5730, -50.0755, -85.5715
Hunter-Lab	60.5057, -50.9015, 35.8315

Details

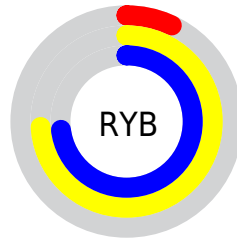
The Hex color **16BD12** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B912BD**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **6AF754**, and **008600** is the 20% darker color. If you saturate the color by 10%, you get **04BD00**, and if you desaturate by 10%, it is **28BD25**.

Distribution



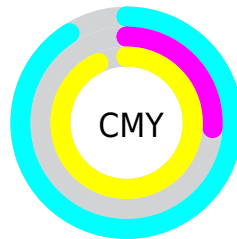
- Red (9%)
- Green (74%)
- Blue (7%)



- Red (7%)
- Yellow (74%)
- Blue (73%)



- Cyan (88%)
- Magenta (0%)
- Yellow (90%)
- Black (26%)



- Cyan (91%)
- Magenta (26%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 16BD12 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 16BD12 by changing the saturation by 10% instead.

 16BD12

 16BD12

FFFFFF

 00A100

 6AF754

 008600

 89FF70

 006B00

 A8FF8C

 005100

 C7FFA8

 003A00

 E6FFC5

 002000

 FFFFE2

 000000

 16BD12

 16BD12

 04BD00

 28BD25

 3BBD38

 4DBD4B

 60BD5E

 72BD70

 85BD83

 97BD96

 AABDA9

 BCBDBC

Harmonies

Analogous

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



9AAD00



16BD12



00C578

Triad

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



16BD12



00B8FF



FF377A

Complementary

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



16BD12



B912BD

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.



FF3FCD



16BD12



009EFF

Square

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



16BD12



00C4FF



DD73FF



FF6727

Rectangle

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



16BD12



00C7B3



DD73FF



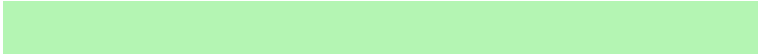
FF2F95

Sweetspot

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



16BD12



B4F5B3



BDB712



547A53



FAFAFA



7A7A7A

Same Dimension

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



16BD12



06F500



12BD62



555E55



049E00



011F00

Inverse Universe

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



B912BD



EF00F5



BD126D



5E555E



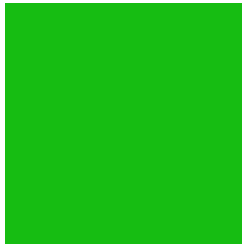
9A009E



1E001F

Previews

White Background



This preview shows how the Hex color 16BD12 looks on a white background.

Color Contrast Check

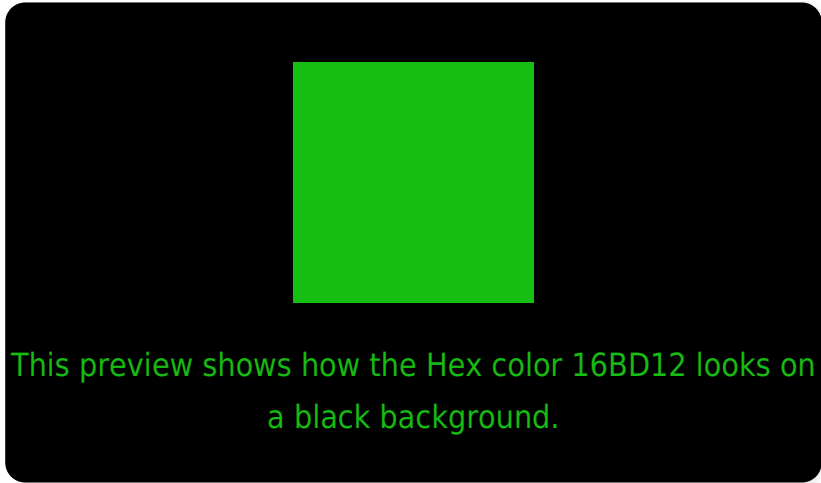
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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 ✓ Pass

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

Hex 16BD12 Background



This preview shows how black text looks on a background with the Hex color 16BD12.

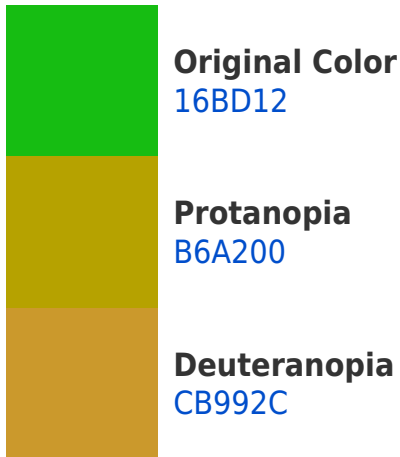


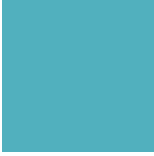
This preview shows how white text looks on a background with the Hex color 16BD12.

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
51B0BE

Trichromacy



Original Color
16BD12



Protanomaly
7CAC07



Deuteranomaly
89A623



Tritanomaly
3CB57F

Monochromacy



Original Color
16BD12



Achromatopsia
787878



Achromatomaly
549153

CSS Examples

Text

The CSS property to change the color of the text to Hex 16BD12 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 #16BD12 looks like.

```
.text, #text, p{  
    color:#16BD12  
}
```

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 #16BD12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16BD12
}
```

Border

The CSS property to change the border of an element to Hex 16BD12 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
#16BD12 }
```

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

```
.border{ border-color:#16BD12 }
```

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

Here you see how a box with a 4 pixel #16BD12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16BD12; -webkit-box-shadow:4px 4px  
4px 4px #16BD12; box-shadow:4px 4px 4px  
4px #16BD12 }
```

Background

The CSS property to change the background color of an element to Hex 16BD12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16BD12 }
```

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

```
.background{ background-color:#16BD12 }
```

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