

Converting Colors

Hex(3DB000)

Have a look what the booklet for
Hex(3DB000) contains.

Hex(3DB000)	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(3DB000)

Conversions

Conversions Part 1

Format	Color
Hex	3DB000
RGB	61, 176, 0
RGB Percent	24%, 69%, 0%
CMY	0.7608, 0.3098, 1.0000
CMYK	0.65, 0.00, 1.00, 0.31
HSL	99°, 100%, 35%
HSV	99°, 100%, 69%
XYZ	17.4498, 32.0428, 5.2652
YIQ	121.5510, -12.0440, -79.1160

Conversions

Conversions Part 2

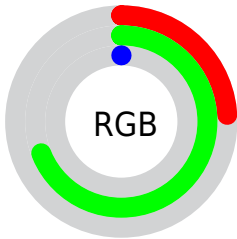
Format	Color
RYB	0, 176, 115
Decimal	4042752
CIELab	63.38, -57.97, 63.99
CIELCh	63, 86.348, 132.173
Yxy	32.0428, 0.3187, 0.5852
Android (android.graphics.Color)	4282232832 (0xFF3DB000)
YUV	121.5510, -59.9246, -53.1032
Hunter-Lab	56.6063, -44.0356, 34.1096

Details

The Hex color **3DB000** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7300B0**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **7CE94B**, and **007A00** is the 20% darker color. If you saturate the color by 10%, you get **3DB000**, and if you desaturate by 10%, it is **49B012**.

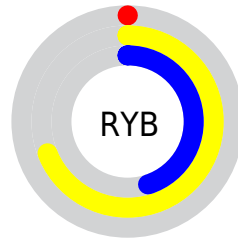
Distribution



Red (24%)

Green (69%)

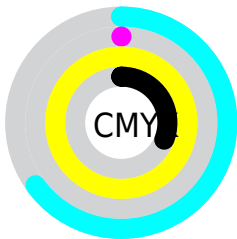
Blue (0%)



Red (0%)

Yellow (69%)

Blue (45%)

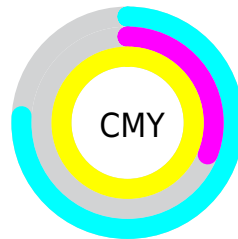


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (76%)

Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color 3DB000 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 3DB000 by changing the saturation by 10% instead.

 3DB000

 3DB000

FFFFFF

 0F9500

 7CE94B

 007A00

 9AFF68

 006000

 B8FF83

 004700

 D5FF9F

 003100

 F4FFBC

 001400

 FFFFD9

 000000

 FFFFF6

 3DB000

 49B012

 54B023

 60B035

 6BB046

 77B058

 82B06A

 8EB07B

 99B08D

 A5B09E

Harmonies

Analogous

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



9DA000



3DB000



00B867

Triad

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



3DB000



00AFFF



FF377E

Complementary

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



3DB000



7300B0

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.



FF47CA



3DB000



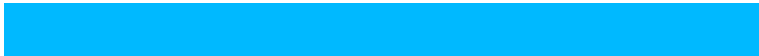
0099FF

Square

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



3DB000



00B9FF



C174FF



FF5D33

Rectangle

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



3DB000



00BA9D



C174FF



FF3597

Sweetspot

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



3DB000



B9E6A1



B07200



587349



F2F2F2



737373

Same Dimension

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



3DB000



50E600



00B01A



535950



359900



091A00

Inverse Universe

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



7300B0



9600E6



B00096



565059



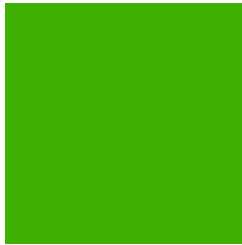
640099



11001A

Previews

White Background



This preview shows how the Hex color 3DB000 looks on a white background.

Color Contrast Check

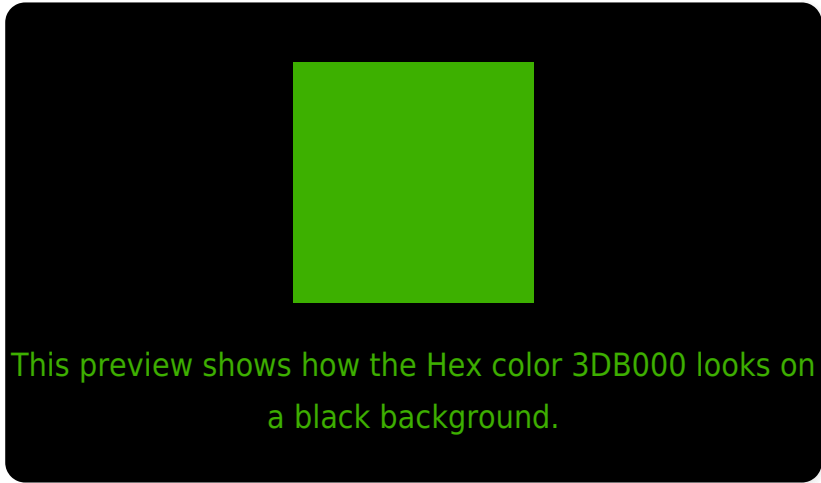
Large Text (above 18pt) WCAG AA × Fail

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 3DB000 Background



This preview shows how black text looks on a background with the Hex color 3DB000.

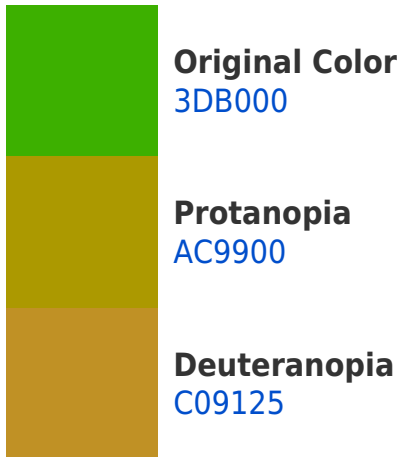


This preview shows how white text looks on a background with the Hex color 3DB000.

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
5DA4B1

Trichromacy



Original Color
3DB000



Protanomaly
84A100



Deuteranomaly
909C18



Tritanomaly
51A871

Monochromacy



Original Color
3DB000



Achromatopsia
7A7A7A



Achromatomaly
648E4E

CSS Examples

Text

The CSS property to change the color of the text to Hex 3DB000 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 #3DB000 looks like.

```
.text, #text, p{  
    color:#3DB000  
}
```

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 #3DB000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3DB000
}
```

Border

The CSS property to change the border of an element to Hex 3DB000 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
#3DB000 }
```

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

```
.border{ border-color:#3DB000 }
```

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

Here you see how a box with a 4 pixel #3DB000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3DB000; -webkit-box-shadow:4px 4px  
4px 4px #3DB000; box-shadow:4px 4px 4px  
4px #3DB000 }
```

Background

The CSS property to change the background color of an element to Hex 3DB000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3DB000 }
```

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

```
.background{ background-color:#3DB000 }
```

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