

# Converting Colors

Hex(BDFA05)

Have a look what the booklet for  
Hex(BDFA05) contains.

<b>Hex(BDFA05)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(BDFA05)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BDFA05</a>
RGB	189, 250, 5
RGB Percent	74%, 98%, 2%
CMY	0.2588, 0.0196, 0.9804
CMYK	0.24, 0.00, 0.98, 0.02
HSL	75°, 96%, 50%
HSV	75°, 98%, 98%
XYZ	55.1993, 79.2010, 12.5216
YIQ	203.8310, 42.2890, -89.1270

# Conversions

## Conversions Part 2

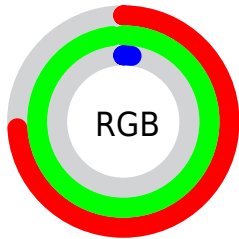
Format	Color
R <sub>Y</sub> B	5, 250, 66
Decimal	12450309
CIE Lab	91.33, -45.45, 87.78
CIE LCh	91, 98.852, 117.372
Yxy	79.2010, 0.3757, 0.5391
Android (android.graphics.Color)	4290640389 (0xFFBDFA05)
YUV	203.8310, -98.0237, -13.0068
Hunter-Lab	88.9949, -45.0262, 53.9543

# Details

The Hex color **BDFA05** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **4205FA**, and the grayscale version is **CDCDCD**.

A 20% lighter version of the original color is **FAFF5F**, and **81C100** is the 20% darker color. If you saturate the color by 10%, you get **BCFA00**, and if you desaturate by 10%, it is **C3FA1E**.

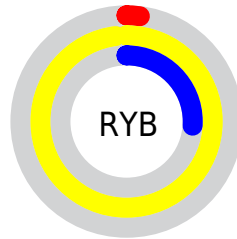
# Distribution



Red (74%)

Green (98%)

Blue (2%)



Red (2%)

Yellow (98%)

Blue (26%)

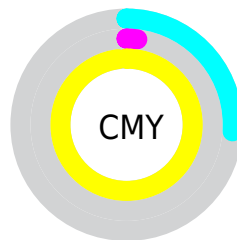


Cyan (24%)

Magenta (0%)

Yellow (98%)

Black (2%)



Cyan (26%)

Magenta (2%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BDFA05 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 BDFA05 by changing the saturation by 10% instead.



 BDFA05

 BDFA05

FFFFFF

 9FDD00

 FAFF5F

 81C100

 FFFF7D

 63A600

 FFFF9B

 468B00

 FFFFFB9

 237100

 FFFFD7

 005800

 FFFFFF6

 004000

 002B00

 000900

 BDFA05

 BDFA05

 BCFA00

 C3FA1E

 C9FA37

 D0FA50

 D6FA69

 DCFA82

 E2FA9B

 E9FAB4

 EFFACD

 F5FAE6

# Harmonies

## Analogous

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



FFDF00



BDFA05



00FF79

# Triad

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



BDF A05



00 FFF F



FF 81 F3

# Complementary

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



B DFA05



4205FA

# 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.



FFA3FF



BDFA05



00F4FF

# Square

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



BDFA05



00FFFF



D1D1FF



FF8F95

# Rectangle

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



**BDF A05**



**00FFB9**



**D1D1FF**



**FF88FF**

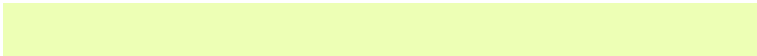


# Sweetspot

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



BDF A05



EDFFB5



FA3E05



748053



000000



808080



# Same Dimension

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



BDFA05



C0FF00



46FA05



7A7D70



8EBD00



2E3D00



# Inverse Universe

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



4205FA



3F00FF



B905FA



74707D



2F00BD

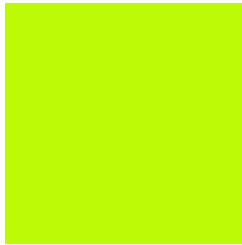


0F003D



# Previews

## White Background



This preview shows how the Hex color BDFA05 looks on a white background.

## Color Contrast Check

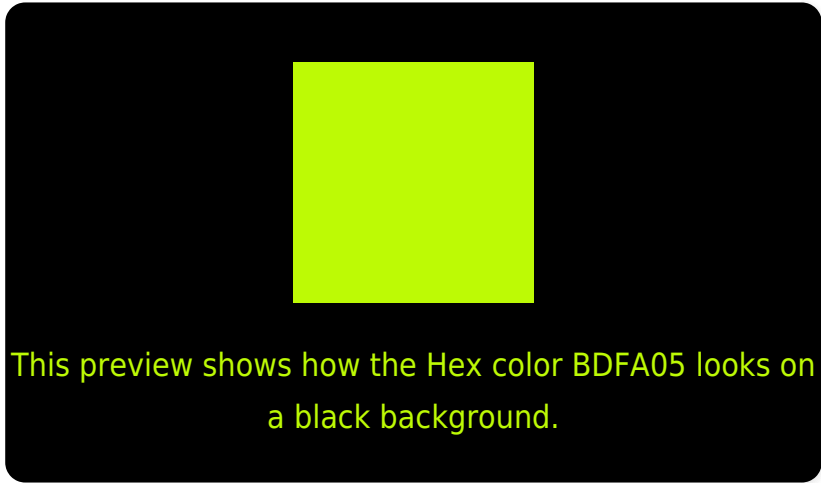
Large Text (above 18pt) WCAG AA × Fail

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 BDFA05 Background



This preview shows how black text looks on a background with the Hex color BDFA05.

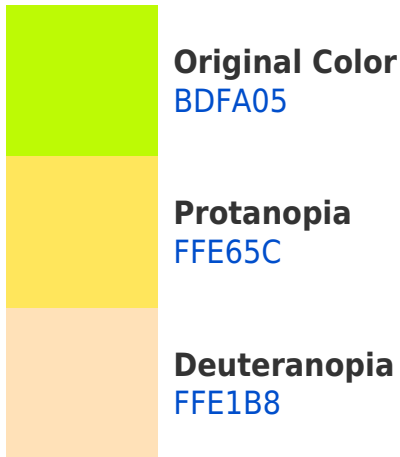


This preview shows how white text looks on a background with the Hex color BDFA05.

# 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](#).

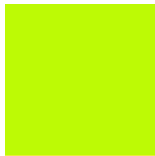
## Dichromacy





**Tritanopia**  
D3E8FB

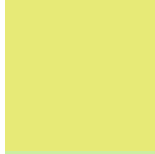
# Trichromacy



**Original Color**  
BDFA05



**Protanomaly**  
E7ED3C



**Deuteranomaly**  
E7EA77

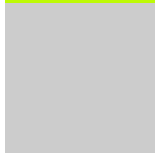


**Tritanomaly**  
CBEFA2

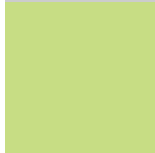
# Monochromacy



**Original Color**  
BDFA05



**Achromatopsia**  
CCCCCC



**Achromatomaly**  
C7DD84

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BDFA05 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 #BDFA05 looks like.

```
.text, #text, p{  
    color:#BDFA05  
}
```

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 #BDFA05 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BDFA05
}
```

## Border

The CSS property to change the border of an element to Hex BDFA05 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
#BDFA05 }
```

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

```
.border{ border-color:#BDFA05 }
```

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

Here you see how a box with a 4 pixel #BDFA05 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BDFA05; -webkit-box-shadow:4px 4px  
4px 4px #BDFA05; box-shadow:4px 4px 4px  
4px #BDFA05 }
```

# Background

The CSS property to change the background color of an element to Hex BDFA05 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BDFA05 }
```

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

```
.background{ background-color:#BDFA05 }
```

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