

# Converting Colors

Hex(40BD00)

Have a look what the booklet for  
Hex(40BD00) contains.

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**Color**

**Hex(40BD00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40BD00
RGB	64, 189, 0
RGB Percent	25%, 74%, 0%
CMY	0.7490, 0.2588, 1.0000
CMYK	0.66, 0.00, 1.00, 0.26
HSL	100°, 100%, 37%
HSV	100°, 100%, 74%
XYZ	20.3119, 37.4852, 6.1648
YIQ	130.0790, -13.8310, -85.2790

# Conversions

## Conversions Part 2

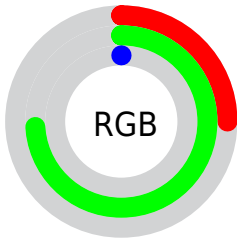
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 189, 125
Decimal	4242688
CIELab	67.64, -61.58, 67.41
CIELCh	68, 91.302, 132.414
Yxy	37.4852, 0.3176, 0.5861
Android (android.graphics.Color)	4282432768 (0xFF40BD00)
YUV	130.0790, -64.1289, -57.9513
Hunter-Lab	61.2251, -47.9251, 36.8876

# Details

The Hex color **40BD00** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **7D00BD**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **81F64E**, and **008600** is the 20% darker color. If you saturate the color by 10%, you get **40BD00**, and if you desaturate by 10%, it is **4DBD13**.

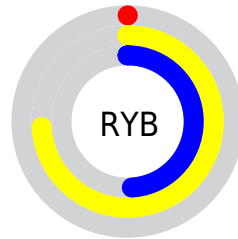
# Distribution



Red (25%)

Green (74%)

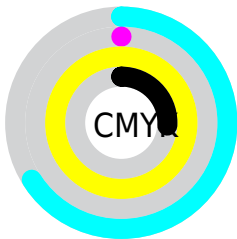
Blue (0%)



Red (0%)

Yellow (74%)

Blue (49%)

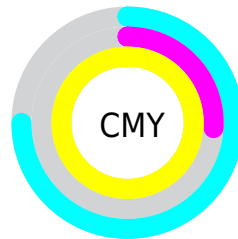


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (75%)

Magenta (26%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40BD00 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 40BD00 by changing the saturation by 10% instead.



 40BD00

 40BD00

FFFFFF

 0FA100

 81F64E

 008600

 9FFF6B

 006C00

 BDFF87

 005200

 DBFFA4

 003A00

 FAFFC0

 002200

 FFFFDD

 000000

 FFFFFB

 40BD00

 4DBD13

 59BD26

 66BD39

 72BD4C

 7FBD5F

 8BBD71

 98BD84

 A4BD97

 B1BDAA

# Harmonies

## Analogous

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



A7AC00



40BD00



00C56F

# Triad

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



40BD00



00BCFF



FF3B86

# Complementary

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



40BD00



7D00BD

# 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.



FF4CD9



40BD00



00A4FF

# Square

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



40BD00



00C6FF



D07CFF



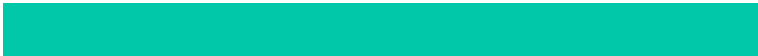
FF6537

# Rectangle

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



40BD00



00C8A9



D07CFF



FF38A2

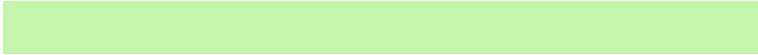


# Sweetspot

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



40BD00



C4F5AB



BD7B00



5D7A4E



FAFAFA



7A7A7A



# Same Dimension

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



40BD00



53F500



00BD1C



585E55



369E00



0A1F00



# Inverse Universe

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



7D00BD



A200F5



BD00A1



5B555E



69009E

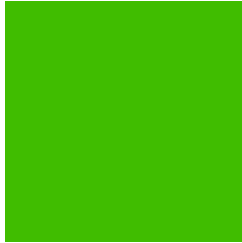


14001F



# Previews

## White Background



This preview shows how the Hex color 40BD00 looks on a white background.

## Color Contrast Check

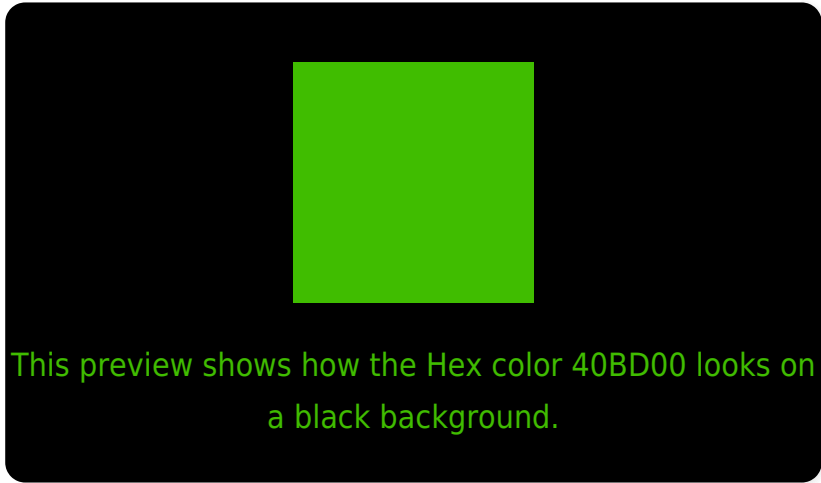
Large Text (above 18pt) WCAG AA × Fail

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

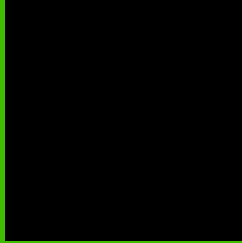
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 40BD00 Background



This preview shows how black text looks on a background with the Hex color 40BD00.

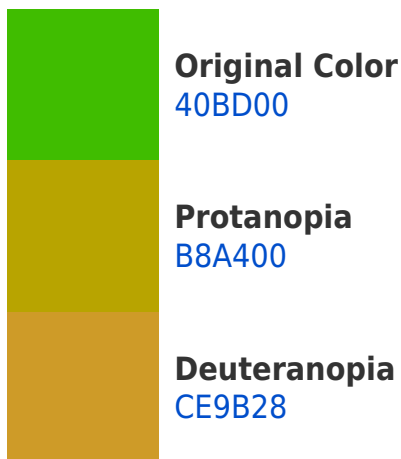


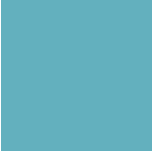
This preview shows how white text looks on a background with the Hex color 40BD00.

# 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**  
63B0BE

# Trichromacy



**Original Color**  
40BD00



**Protanomaly**  
8CAD00



**Deuteranomaly**  
9AA719



**Tritanomaly**  
56B579

# Monochromacy



**Original Color**  
40BD00



**Achromatopsia**  
828282



**Achromatomaly**  
6A9753

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40BD00 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 #40BD00 looks like.

```
.text, #text, p{  
    color:#40BD00  
}
```

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 #40BD00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40BD00
}
```

## Border

The CSS property to change the border of an element to Hex 40BD00 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
#40BD00 }
```

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

```
.border{ border-color:#40BD00 }
```

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

Here you see how a box with a 4 pixel #40BD00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40BD00; -webkit-box-shadow:4px 4px  
4px 4px #40BD00; box-shadow:4px 4px 4px  
4px #40BD00 }
```

# Background

The CSS property to change the background color of an element to Hex 40BD00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40BD00 }
```

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

```
.background{ background-color:#40BD00 }
```

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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