

# Converting Colors

Hex(2CBD00)

Have a look what the booklet for  
Hex(2CBD00) contains.

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**Color**

**Hex(2CBD00)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2CBD00
RGB	44, 189, 0
RGB Percent	17%, 74%, 0%
CMY	0.8275, 0.2588, 1.0000
CMYK	0.77, 0.00, 1.00, 0.26
HSL	106°, 100%, 37%
HSV	106°, 100%, 74%
XYZ	19.2363, 36.9307, 6.1145
YIQ	124.0990, -25.7510, -89.5190

# Conversions

## Conversions Part 2

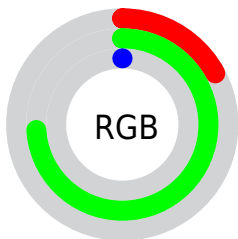
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 189, 145
Decimal	2931968
CIELab	67.22, -65.17, 66.90
CIELCh	67, 93.396, 134.247
Yxy	36.9307, 0.3089, 0.5930
Android (android.graphics.Color)	4281122048 (0xFF2CBD00)
YUV	124.0990, -61.1808, -70.2468
Hunter-Lab	60.7706, -49.8462, 36.5739

# Details

The Hex color **2CBD00** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **9100BD**, and the grayscale version is **7D7D7D**.

A 20% lighter version of the original color is **74F74E**, and **008600** is the 20% darker color. If you saturate the color by 10%, you get **2CBD00**, and if you desaturate by 10%, it is **3ABD13**.

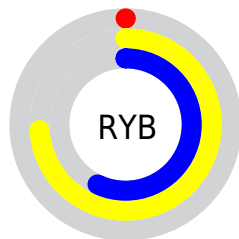
# Distribution



Red (17%)

Green (74%)

Blue (0%)



Red (0%)

Yellow (74%)

Blue (57%)

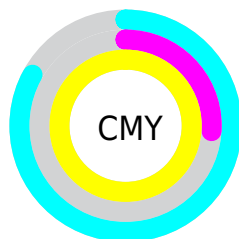


Cyan (77%)

Magenta (0%)

Yellow (100%)

Black (26%)



Cyan (83%)

Magenta (26%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2CBD00 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 2CBD00 by changing the saturation by 10% instead.



 2CBD00

 2CBD00

FFFFFF

 00A100

 74F74E

 008600

 93FF6B

 006C00

 B1FF87

 005200

 D0FFA3

 003A00

 EFFF00

 002100

 FFFFDD

 000000

 FFFFFB

 2CBD00

 3ABD13

 49BD26

 57BD39

 66BD4C

 74BD5F

 83BD71

 92BD84

 A0BD97

 AFBDA A

# Harmonies

## Analogous

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



A1AC00



2CBD00



00C573

# Triad

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



2CBD00



00BAFF



FF3480

# Complementary

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



2CBD00



9100BD

# 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.



FF42D4



2CBD00



00A1FF

# Square

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



2CBD00



00C5FF



D777FF



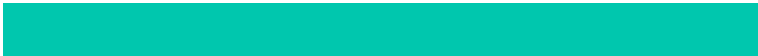
FF642D

# Rectangle

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



2CBD00



00C7AE



D777FF



FF2E9C

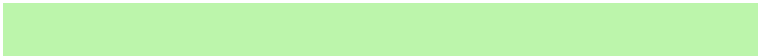


# Sweetspot

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



2CBD00



BCF5AB



BD9100



597A4E



FAFAFA



7A7A7A



# Same Dimension

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



2CBD00



39F500



00BD32



575E55



259E00



071F00



# Inverse Universe

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



9100BD



BC00F5



BD008B



5C555E



79009E

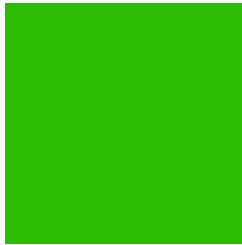


17001F



# Previews

## White Background



This preview shows how the Hex color 2CBD00 looks on a white background.

## Color Contrast Check

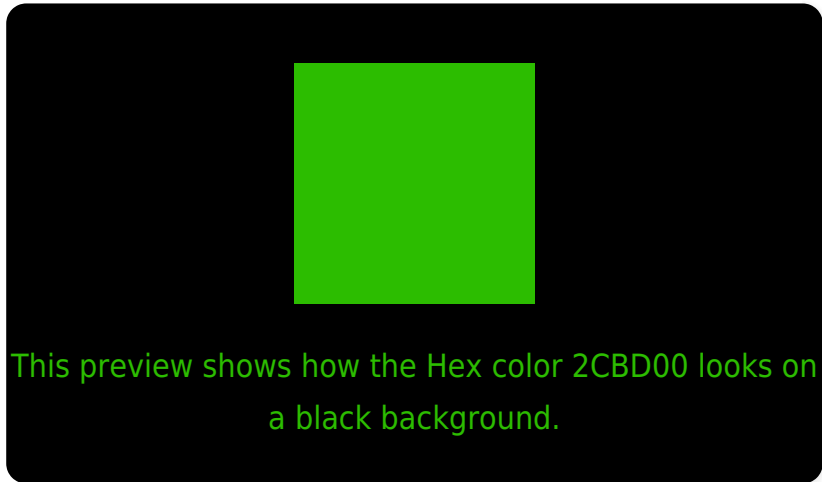
Large Text (above 18pt) WCAG AA × Fail

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

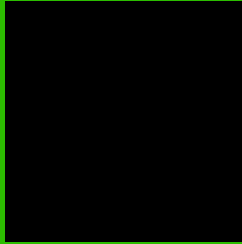
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

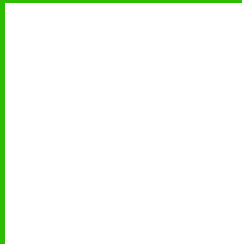
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2CBD00 Background



This preview shows how black text looks on a background with the Hex color 2CBD00.

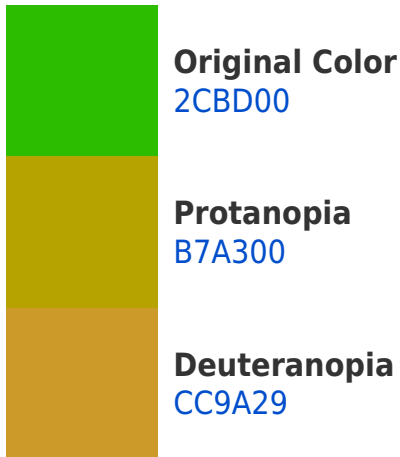


This preview shows how white text looks on a background with the Hex color 2CBD00.

# 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**  
59B0BE

# Trichromacy



**Original Color**  
2CBD00



**Protanomaly**  
84AC00



**Deuteranomaly**  
92A71A



**Tritanomaly**  
49B579

# Monochromacy



**Original Color**  
2CBD00



**Achromatopsia**  
7C7C7C



**Achromatomaly**  
5F944F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2CBD00 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 #2CBD00 looks like.

```
.text, #text, p{  
    color:#2CBD00  
}
```

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 #2CBD00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2CBD00
}
```

## Border

The CSS property to change the border of an element to Hex 2CBD00 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".

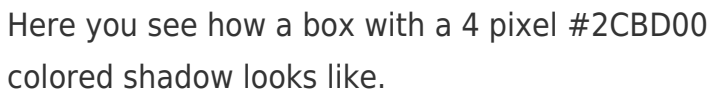
```
.border, #border, table{ border:4px solid
#2CBD00 }
```

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

```
.border{ border-color:#2CBD00 }
```

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

Here you see how a box with a 4 pixel #2CBD00 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2CBD00; -webkit-box-shadow:4px 4px  
4px 4px #2CBD00; box-shadow:4px 4px 4px  
4px #2CBD00 }
```

# Background

The CSS property to change the background color of an element to Hex 2CBD00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2CBD00 }
```

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

```
.background{ background-color:#2CBD00 }
```

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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