

# Converting Colors

Hex(2CBB16)

Have a look what the booklet for  
Hex(2CBB16) contains.

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# Color

Hex(2CBB16)

# Conversions

## Conversions Part 1

Format	Color
Hex	2CBB16
RGB	44, 187, 22
RGB Percent	17%, 73%, 9%
CMY	0.8275, 0.2667, 0.9137
CMYK	0.76, 0.00, 0.88, 0.27
HSL	112°, 79%, 41%
HSV	112°, 88%, 73%
XYZ	18.9538, 36.1340, 6.7347
YIQ	125.4330, -32.2630, -81.6310

# Conversions

## Conversions Part 2

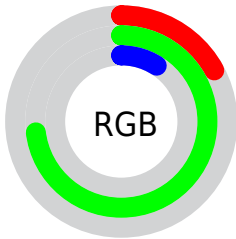
Format	Color
R <sub>Y</sub> B	22, 187, 165
Decimal	2931478
CIE Lab	66.62, -64.01, 63.36
CIE LCh	67, 90.066, 135.295
Yxy	36.1340, 0.3066, 0.5845
Android (android.graphics.Color)	4281121558 (0xFF2CBB16)
YUV	125.4330, -50.9925, -71.4167
Hunter-Lab	60.1116, -48.9123, 35.4355

# Details

The Hex color **2CBB16** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **A516BB**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **73F456**, and **008400** is the 20% darker color. If you saturate the color by 10%, you get **1CBB03**, and if you desaturate by 10%, it is **3CBB29**.

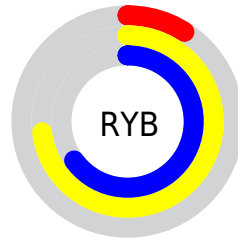
# Distribution



Red (17%)

Green (73%)

Blue (9%)



Red (9%)

Yellow (73%)

Blue (65%)

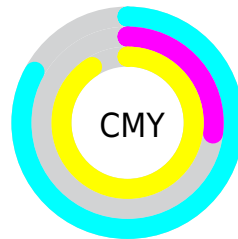


Cyan (76%)

Magenta (0%)

Yellow (88%)

Black (27%)



Cyan (83%)

Magenta (27%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2CBB16 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 2CBB16 by changing the saturation by 10% instead.



 2CBB16

 2CBB16

FFFFFF

 009F00

 73F456

 008400

 92FF72

 006A00

 B0FF8E

 005000

 CEFFAA

 003800

 EDFFC6

 001F00

 FFFFE3

 000000

 2CBB16

 2CBB16

 1CBB03

 3CBB29

 19BB00

 4CBB3B

 5DBB4E

 6DBB61

 7DBB74

 8DBB86

 9DBB99

 AEBBAC

 BEBBBE

# Harmonies

## Analogous

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



9DAB00



2CBB16



00C376

# Triad

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



2CBB16



00B7FF



FF3D7D

# Complementary

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



2CBB16



A516BB

# 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.



FF46CD



2CBB16



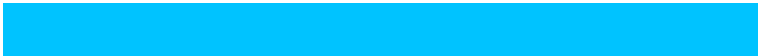
009EFF

# Square

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



2CBB16



00C3FF



D776FF



FF672E

# Rectangle

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



2CBB16



00C5AF



D776FF



FF3797

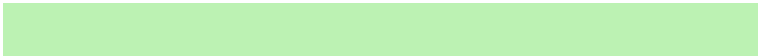


# Sweetspot

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



2CBB16



BCF2B3



BBA516



5A7A54



FAFAFA



7A7A7A



# Same Dimension

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



2CBB16



20F200



16BB53



565E55



159E00



041F00



# Inverse Universe

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



A516BB



D200F2



BB167E



5D555E



89009E

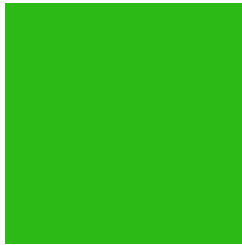


1B001F



# Previews

## White Background



This preview shows how the Hex color 2CBB16 looks on a white background.

## Color Contrast Check

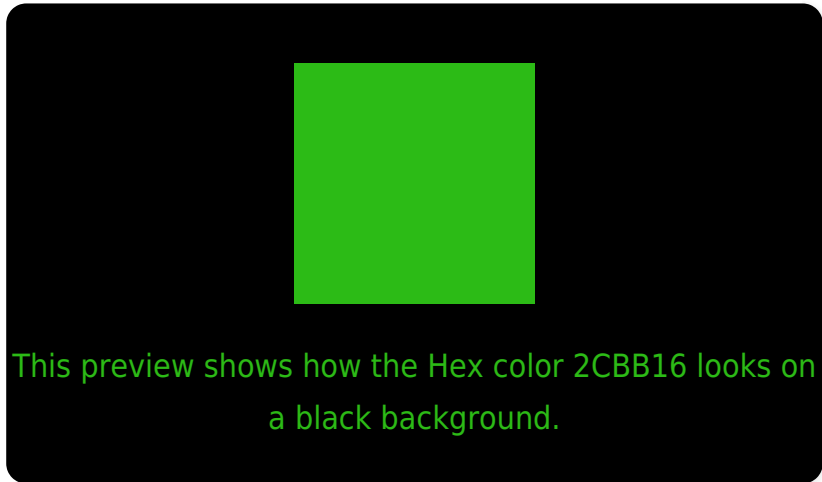
Large Text (above 18pt) WCAG AA × Fail

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 2CBB16 Background



This preview shows how black text looks on a background with the Hex color 2CBB16.



This preview shows how white text looks on a background with the Hex color 2CBB16.

# 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](#).

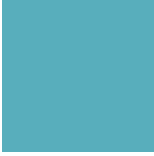
## Dichromacy



**Original Color**  
2CBB16

**Protanopia**  
B5A10C

**Deuteranopia**  
CA992D



**Tritanopia**  
58AEBC

# Trichromacy



**Original Color**  
2CBB16



**Protanomaly**  
83AA10



**Deuteranomaly**  
91A525



**Tritanomaly**  
48B380

# Monochromacy



**Original Color**  
2CBB16



**Achromatopsia**  
7D7D7D



**Achromatomaly**  
609458

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2CBB16 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 #2CBB16 looks like.

```
.text, #text, p{  
    color:#2CBB16  
}
```

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 #2CBB16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2CBB16
}
```

## Border

The CSS property to change the border of an element to Hex 2CBB16 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
#2CBB16 }
```

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

```
.border{ border-color:#2CBB16 }
```

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

Here you see how a box with a 4 pixel #2CBB16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2CBB16; -webkit-box-shadow:4px 4px  
4px 4px #2CBB16; box-shadow:4px 4px 4px  
4px #2CBB16 }
```

# Background

The CSS property to change the background color of an element to Hex 2CBB16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2CBB16 }
```

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

```
.background{ background-color:#2CBB16 }
```

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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