

# Converting Colors

Hex(CBFA22)

Have a look what the booklet for  
Hex(CBFA22) contains.

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**Color**

**Hex(CBFA22)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | CBFA22                      |
| RGB         | 203, 250, 34                |
| RGB Percent | 80%, 98%, 13%               |
| CMY         | 0.2039, 0.0196, 0.8667      |
| CMYK        | 0.19, 0.00, 0.86, 0.02      |
| HSL         | 73°, 96%, 56%               |
| HSV         | 73°, 86%, 98%               |
| XYZ         | 59.1029, 81.1832, 14.0682   |
| YIQ         | 211.3230, 41.3240, -77.1400 |

# Conversions

## Conversions Part 2

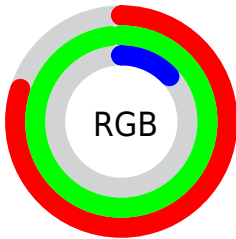
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 34, 250, 81                    |
| Decimal                             | 13367842                       |
| CIELab                              | 92.21, -39.67, 85.47           |
| CIELCh                              | 92, 94.222, 114.897            |
| Yxy                                 | 81.1832, 0.3829,<br>0.5260     |
| Android<br>(android.graphics.Color) | 4291557922<br>(0xFFCBA22)      |
| YUV                                 | 211.3230, -87.4202,<br>-7.2993 |
| Hunter-Lab                          | 90.1017, -40.5895,<br>53.8138  |

# Details

The Hex color **CBFA22** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **5122FA**, and the grayscale version is **D4D4D4**.

A 20% lighter version of the original color is **FFFF69**, and **90C100** is the 20% darker color. If you saturate the color by 10%, you get **C6FA09**, and if you desaturate by 10%, it is **D0FA3B**.

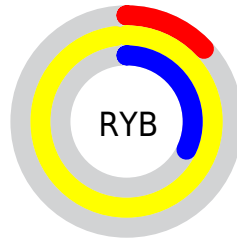
# Distribution



Red (80%)

Green (98%)

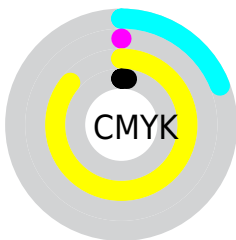
Blue (13%)



Red (13%)

Yellow (98%)

Blue (32%)

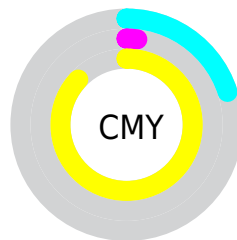


Cyan (19%)

Magenta (0%)

Yellow (86%)

Black (2%)



Cyan (20%)

Magenta (2%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CBFA22 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 CBFA22 by changing the saturation by 10% instead.



 CBFA22

 CBFA22

FFFFFF

 ADDD00

 FFFF69

 90C100

 FFFF87

 72A600

 FFFFA4

 558C00

 FFFF C2

 377200


 FFFF E0

 145900

FFFFFFE

 004100

 002B00

 000F00

 CBFA22

 CBFA22

 C6FA09

 D0FA3B

 C4FA00

 D6FA54

 DBFA6D

 E1FA86

 E6FA9F

 ECFAB8

 F1FAD1

 F7FAEA

 FCFAFF

# Harmonies

## Analogous

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



FFDF00



CBFA22



3FFF7A

# Triad

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



CBFA22



00FFFF



FF8EFC

# Complementary

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



CBFA22



5122FA

# 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.



FFADFF



CBFA22



00F8FF

# Square

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



CBFA22



00FFFF



C8D7FF



FF95A2

# Rectangle

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



CBFA22



00FFB6



C8D7FF



FF95FF

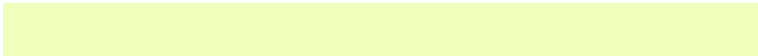


# Sweetspot

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



CBFA22



F1FFBD



FA5122



778058



000000



808080



# Same Dimension

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



CBFA22



C8FF00



5FFA22



7A7D70



94BD00



303D00



# Inverse Universe

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



5122FA



3700FF



BD22FA



73707D



2900BD

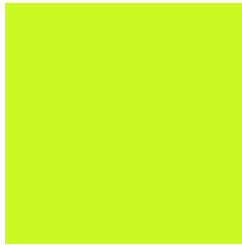


0D003D



# Previews

## White Background



This preview shows how the Hex color CBFA22 looks on a white background.

## Color Contrast Check

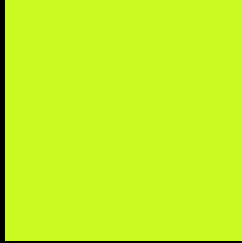
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color CBFA22 looks on a 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 CBFA22 Background



This preview shows how black text looks on a background with the Hex color CBFA22.

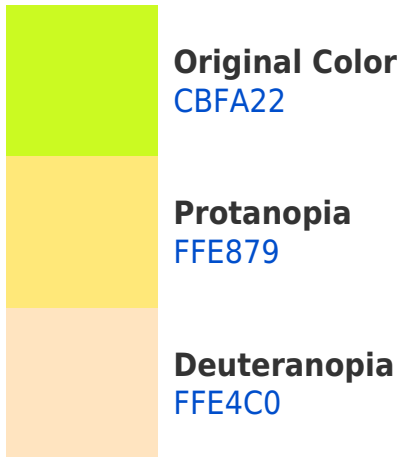


This preview shows how white text looks on a background with the Hex color CBFA22.

# 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](#).

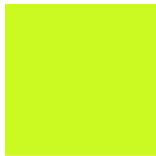
## Dichromacy



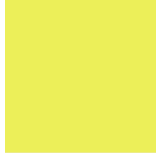


**Tritanopia**  
DFE9FB

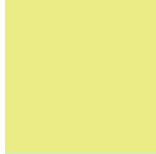
# Trichromacy



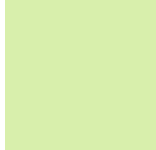
**Original Color**  
CBFA22



**Protanomaly**  
ECEF59



**Deuteranomaly**  
ECEC87

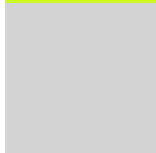


**Tritanomaly**  
D8EFAC

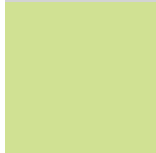
# Monochromacy



**Original Color**  
CBFA22



**Achromatopsia**  
D3D3D3



**Achromatomaly**  
D0E193

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CBFA22 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 #CBFA22 looks like.

```
.text, #text, p{  
    color:#CBFA22  
}
```

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 #CBFA22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CBFA22
}
```

## Border

The CSS property to change the border of an element to Hex CBFA22 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
#CBFA22 }
```

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

```
.border{ border-color:#CBFA22 }
```

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

Here you see how a box with a 4 pixel #CBFA22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CBFA22; -webkit-box-shadow:4px 4px  
4px 4px #CBFA22; box-shadow:4px 4px 4px  
4px #CBFA22 }
```

# Background

The CSS property to change the background color of an element to Hex CBFA22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CBFA22 }
```

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

```
.background{ background-color:#CBFA22 }
```

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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