

# Converting Colors

Decimal(13431309)

Have a look what the booklet for  
Decimal(13431309) contains.

<b>Decimal(13431309)</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**

**Decimal(13431309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF20D
RGB	204, 242, 13
RGB Percent	80%, 95%, 5%
CMY	0.2000, 0.0510, 0.9490
CMYK	0.16, 0.00, 0.95, 0.05
HSL	70°, 90%, 50%
HSV	70°, 95%, 95%
XYZ	56.7266, 76.3707, 12.1320
YIQ	204.5320, 50.8610, -79.2750

# Conversions

## Conversions Part 2

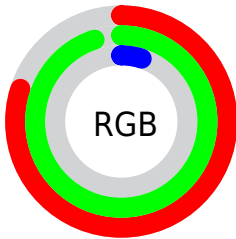
<b>Format</b>	<b>Color</b>
<b>RYB</b>	13, 242, 51
Decimal	13431309
CIELab	90.03, -36.06, 86.57
CIELCh	90, 93.782, 112.613
Yxy	76.3707, 0.3906, 0.5259
Android (android.graphics.Color)	4291621389 (0xFFCCF20D)
YUV	204.5320, -94.4253, -0.4666
Hunter-Lab	87.3903, -37.0655, 52.9423

# Details

The Decimal color **13431309** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light saturated yellow. A complement of this color would be **3345906**, and the grayscale version is **13487565**.

A 20% lighter version of the original color is **16777055**, and **9550336** is the 20% darker color. If you saturate the color by 10%, you get **13300224**, and if you desaturate by 10%, it is **13693477**.

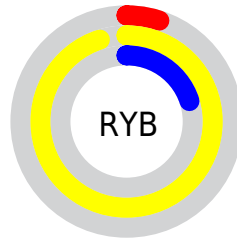
# Distribution



Red (80%)

Green (95%)

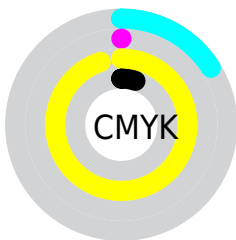
Blue (5%)



Red (5%)

Yellow (95%)

Blue (20%)

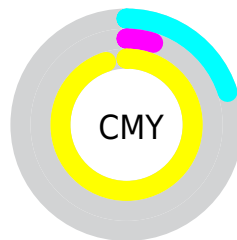


Cyan (16%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (20%)

Magenta (5%)



















Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 13431309 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 Decimal color 13431309 by changing the saturation by 10% instead.



 13431309	 13431309
 16777215	 11458048
 16777055	 9550336
 16777086	 7577344
 16777116	 5735680
 16777145	 3762944
 16777175	 1594112
 16777205	 15104
	 9728
	 0

■ 13431309

■ 13431309

■ 13300224

■ 13693477

■ 13955645

■ 14217814

■ 14479982

■ 14742150

■ 15004318

■ 15266486

■ 15528655

■ 15790823

# Harmonies

## Analogous

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



16766720



13431309



4980590

# Triad

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



13431309



65535



16747005

# Complementary

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



13431309



3345906

# 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.



16755455



13431309



62719

# Square

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



13431309



65535



11785471



16747939

# Rectangle

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



13431309



65449



11785471



16749055

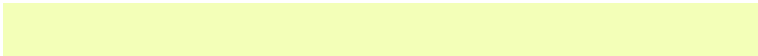


# Sweetspot

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



13431309



15990712



15871757



7897172



0



8421504



# Same Dimension

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



13431309



14024448



6156813



7764076



10074112



3094528



# Inverse Universe

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



3345906



2752767



10620402



7236728



1966264

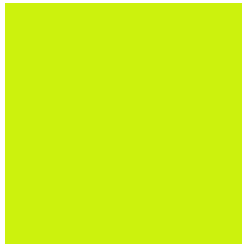


589880



# Previews

## White Background



This preview shows how the Decimal color 13431309 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 Decimal color 13431309 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](#).



## Decimal 13431309 Background



This preview shows how black text looks on a background with the Decimal color 13431309.

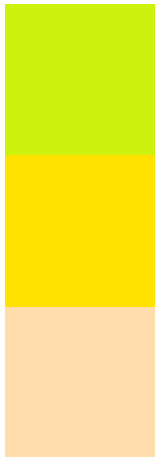


This preview shows how white text looks on a background with the Decimal color 13431309.

# 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](#).

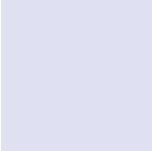
## Dichromacy



**Original Color**  
13431309

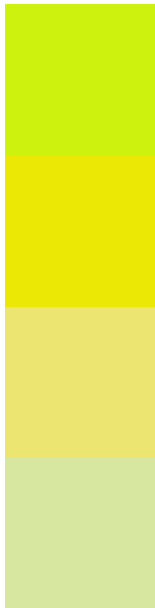
**Protanopia**  
16769536

**Deuteranopia**  
16768428



**Tritanopia**  
14672371

# Trichromacy



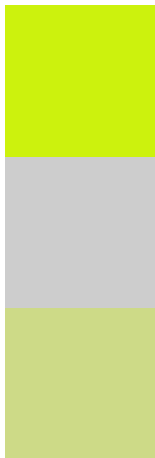
**Original Color**  
13431309

**Protanomaly**  
15525893

**Deuteranomaly**  
15525234

**Tritanomaly**  
14215071

# Monochromacy



**Original Color**  
13431309

**Achromatopsia**  
13487565

**Achromatomaly**  
13490823

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 13431309 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 #CCF20D looks like.

```
.text, #text, p{  
    color:#CCF20D  
}
```

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 #CCF20D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CCF20D
}
```

## Border

The CSS property to change the border of an element to Decimal 13431309 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
#CCF20D }
```

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

```
.border{ border-color:#CCF20D }
```

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

Here you see how a box with a 4 pixel #CCF20D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CCF20D; -webkit-box-shadow:4px 4px  
4px 4px #CCF20D; box-shadow:4px 4px 4px  
4px #CCF20D }
```

# Background

The CSS property to change the background color of an element to Decimal 13431309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CCF20D }
```

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

```
.background{ background-color:#CCF20D }
```

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