

# Converting Colors

Decimal(13402112)

Have a look what the booklet for  
Decimal(13402112) contains.

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# Color

**Decimal(13402112)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC8000
RGB	204, 128, 0
RGB Percent	80%, 50%, 0%
CMY	0.2000, 0.4980, 1.0000
CMYK	0.00, 0.37, 1.00, 0.20
HSL	38°, 100%, 40%
HSV	38°, 100%, 80%
XYZ	32.6210, 28.2757, 3.7384
YIQ	136.1320, 86.3840, -23.6960

# Conversions

## Conversions Part 2

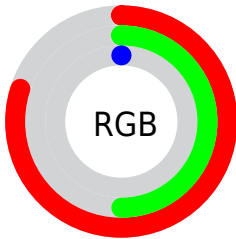
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 204, 0
Decimal	13402112
CIE Lab	60.14, 21.89, 66.27
CIE LCh	60, 69.790, 71.717
Yxy	28.2757, 0.5047, 0.4375
Android (android.graphics.Color)	4291592192 (0xFFCC8000)
YUV	136.1320, -67.1131, 59.5202
Hunter-Lab	53.1749, 16.4476, 33.0541

# Details

The Decimal color **13402112** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **19660**, and the grayscale version is **9013641**.

A 20% lighter version of the original color is **16758086**, and **9457408** is the 20% darker color. If you saturate the color by 10%, you get **13402112**, and if you desaturate by 10%, it is **13404180**.

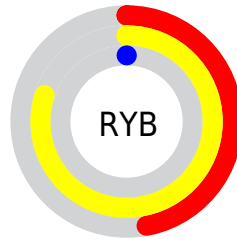
# Distribution



Red (80%)

Green (50%)

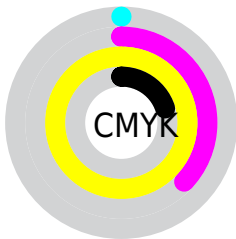
Blue (0%)



Red (47%)

Yellow (80%)

Blue (0%)

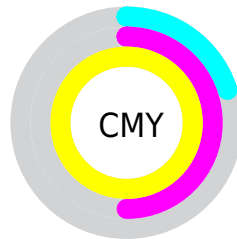


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (50%)






Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 13402112 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 13402112 by changing the saturation by 10% instead.



 13402112	 13402112
16777215	 11364096
 16758086	 9457408
 16765281	 7485184
 16772476	 5579008
 16777111	 3804160
 16777139	 2359297
 16777168	 0
 16777197	
 13402112	

 13404180

 13405993

 13408061

 13409874

 13411942

 13414010

 13415823

 13417891

 13419704

# Harmonies

## Analogous

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



15819841



13402112



9934336

# Triad

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



13402112



44456



11630062

# Complementary

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



13402112



19660

# 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.



2134271



13402112



44002

# Square

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



13402112



43880



41727



15423673

# Rectangle

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



13402112



7118867



41727



9666554



# Sweetspot

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



13402112



16769971



13369422



8416850



0



8421504



# Same Dimension

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



13402112



16752640



11848704



6709852



10905600



2496512



# Inverse Universe

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



19660



24575



1573068



6053990



16038



3622



# Previews

## White Background



This preview shows how the Decimal color 13402112 looks on a white background.

## Color Contrast Check

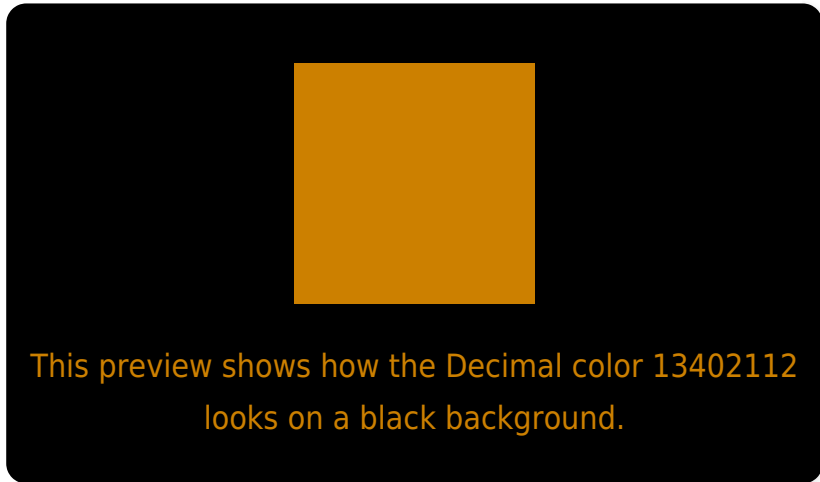
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Decimal 13402112 Background



This preview shows how black text looks on a background with the Decimal color 13402112.



This preview shows how white text looks on a background with the Decimal color 13402112.

# 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**  
13402112

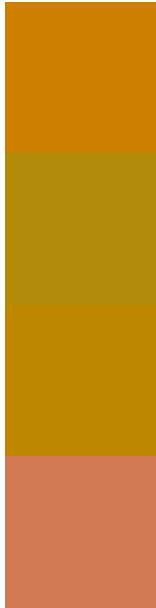
**Protanopia**  
10785295

**Deuteranopia**  
12093952



**Tritanopia**  
13727616

# Trichromacy



**Original Color**  
13402112

**Protanomaly**  
11766538

**Deuteranomaly**  
12551680

**Tritanomaly**  
13597265

# Monochromacy



**Original Color**  
13402112

**Achromatopsia**  
8947848

**Achromatomaly**  
10585431

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 13402112 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 #CC8000 looks like.

```
.text, #text, p{  
  color:#CC8000  
}
```

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 #CC8000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CC8000
}
```

## Border

The CSS property to change the border of an element to Decimal 13402112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

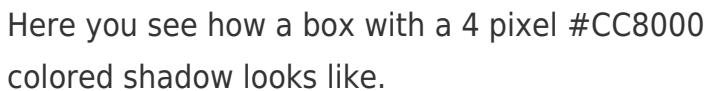
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#CC8000 }
```

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

```
.border{ border-color:#CC8000 }
```

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



Here you see how a box with a 4 pixel `#CC8000` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CC8000; -webkit-box-shadow:4px 4px  
4px 4px #CC8000; box-shadow:4px 4px 4px  
4px #CC8000 }
```

# Background

The CSS property to change the background color of an element to Decimal 13402112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CC8000 }
```

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

```
.background{ background-color:#CC8000 }
```

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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