

# Converting Colors

Decimal(12109617)

Have a look what the booklet for  
Decimal(12109617) contains.

<b>Decimal(12109617)</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(12109617)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8C731
RGB	184, 199, 49
RGB Percent	72%, 78%, 19%
CMY	0.2784, 0.2196, 0.8078
CMYK	0.08, 0.00, 0.75, 0.22
HSL	66°, 60%, 49%
HSV	66°, 75%, 78%
XYZ	40.7450, 51.2589, 10.6522
YIQ	177.4150, 39.2100, -49.8300

# Conversions

## Conversions Part 2

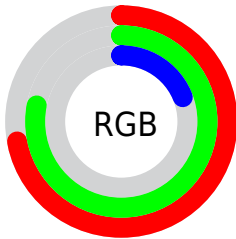
<b>Format</b>	<b>Color</b>
<b>RYB</b>	49, 199, 64
Decimal	12109617
CIELab	76.84, -23.15, 67.91
CIELCh	77, 71.742, 108.823
Yxy	51.2589, 0.3969, 0.4993
Android (android.graphics.Color)	4290299697 (0xFFB8C731)
YUV	177.4150, -63.3086, 5.7750
Hunter-Lab	71.5954, -23.7074, 41.2954

# Details

The Decimal color **12109617** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **4207047**, and the grayscale version is **11711154**.

A 20% lighter version of the original color is **15990635**, and **8360192** is the 20% darker color. If you saturate the color by 10%, you get **11978525**, and if you desaturate by 10%, it is **12240709**.

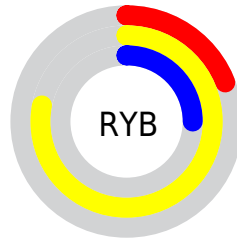
# Distribution



Red (72%)

Green (78%)

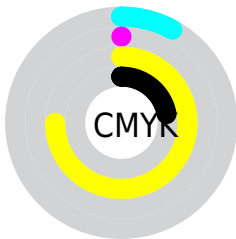
Blue (19%)



Red (19%)

Yellow (78%)

Blue (25%)

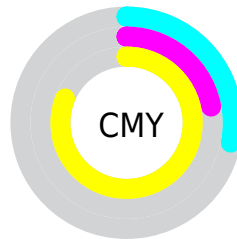


Cyan (8%)

Magenta (0%)

Yellow (75%)

Black (22%)



Cyan (28%)

Magenta (22%)




















Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12109617 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 12109617 by changing the saturation by 10% instead.



 12109617	 12109617
 16777215	 10202118
 15990635	 8360192
 16777095	 6518784
 16777123	 4808448
 16777151	 2967296
 16777180	 1192192
 16777210	 7680
	 0
 12109617	 12109617

■ 11978525

■ 12240709

■ 11847433

■ 12371801

■ 11781888

■ 12502893

■ 12633985

■ 12765076

■ 12896168

■ 13027260

■ 13158352

■ 13289444

# Harmonies

## Analogous

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



16101936



12109617



6804833

# Triad

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



12109617



55807



16745177

# Complementary

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



12109617



4207047

# 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.



16095999



12109617



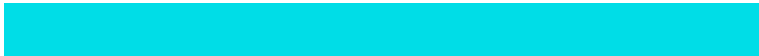
52479

# Square

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



12109617



56807



9484031



16744855

# Rectangle

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



12109617



55947



9484031



16746735



# Sweetspot

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



12109617



16383940



13058097



8159324



0



8421504



# Same Dimension

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



12109617



15269657



7194417



6447962



9675520



2106368



# Inverse Universe

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



4207047



3152383



9122247



5921379



1048739



262180



# Previews

## White Background



This preview shows how the Decimal color 12109617 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 12109617 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 12109617 Background



This preview shows how black text looks on a background with the Decimal color 12109617.



This preview shows how white text looks on a background with the Decimal color 12109617.

# 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**  
12109617

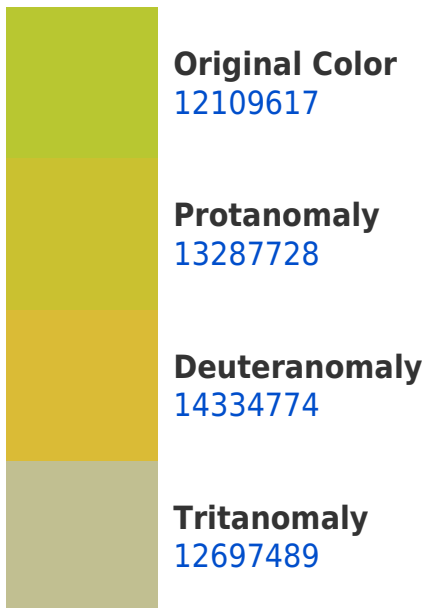
**Protanopia**  
14007855

**Deuteranopia**  
15578169



**Tritanopia**  
13023944

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12109617 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 #B8C731 looks like.

```
.text, #text, p{  
    color:#B8C731  
}
```

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 #B8C731 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B8C731
}
```

## Border

The CSS property to change the border of an element to Decimal 12109617 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
#B8C731 }
```

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

```
.border{ border-color:#B8C731 }
```

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

Here you see how a box with a 4 pixel #B8C731 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B8C731; -webkit-box-shadow:4px 4px  
4px 4px #B8C731; box-shadow:4px 4px 4px  
4px #B8C731 }
```

# Background

The CSS property to change the background color of an element to Decimal 12109617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B8C731 }
```

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

```
.background{ background-color:#B8C731 }
```

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