

# Converting Colors

Decimal(12876832)

Have a look what the booklet for  
Decimal(12876832) contains.

<b>Decimal(12876832)</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(12876832)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C47C20
RGB	196, 124, 32
RGB Percent	77%, 49%, 13%
CMY	0.2314, 0.5137, 0.8745
CMYK	0.00, 0.37, 0.84, 0.23
HSL	34°, 72%, 45%
HSV	34°, 84%, 77%
XYZ	30.2333, 26.2554, 4.8408
YIQ	135.0400, 72.4440, -13.3480

# Conversions

## Conversions Part 2

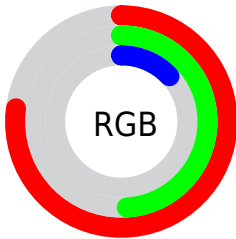
<b>Format</b>	<b>Color</b>
<b>RYB</b>	160, 196, 32
Decimal	12876832
CIELab	58.28, 21.15, 57.22
CIElCh	58, 60.998, 69.716
Yxy	26.2554, 0.4930, 0.4281
Android (android.graphics.Color)	4291066912 (0xFFC47C20)
YUV	135.0400, -50.7987, 53.4619
Hunter-Lab	51.2400, 15.6511, 30.2666

# Details

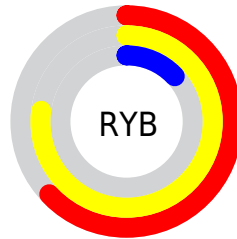
The Decimal color **12876832** is a dark color, and the websafe version is hex **996600**. The color can be described as dark muted orange. A complement of this color would be **2123972**, and the grayscale version is **8882055**.

A 20% lighter version of the original color is **16757077**, and **8997632** is the 20% darker color. If you saturate the color by 10%, you get **12874508**, and if you desaturate by 10%, it is **12879156**.

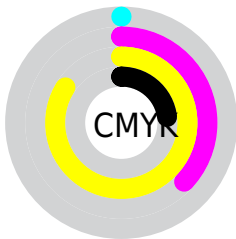
# Distribution



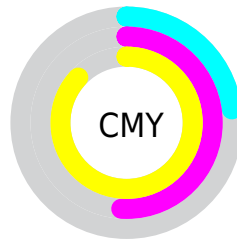
- Red (77%)
- Green (49%)
- Blue (13%)



- Red (63%)
- Yellow (77%)
- Blue (13%)



- Cyan (0%)
- Magenta (37%)
- Yellow (84%)
- Black (23%)



















- Cyan (23%)
- Magenta (51%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12876832 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 12876832 by changing the saturation by 10% instead.



 12876832	 12876832
16777215	 10904320
 16757077	 8997632
 16764016	 7091200
 16771210	 5185024
 16777126	 3409920
 16777154	 1769473
 16777182	 0
 16777211	
 12876832	 12876832

12874508

12879156

12873216

12881223

12883547

12885614

12887938

12890262

12892329

12894653

12896720

# Harmonies

## Analogous

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



14902858



12876832



9932557

# Triad

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



12876832



42397



10843871

# Complementary

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



12876832



2123972

# 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.



3378422



12876832



41935

# Square

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



12876832



41829



40176



14245810

# Rectangle

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



12876832



7510052



40176



9076457



# Sweetspot

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



12876832



16769983



12853354



8417113



0



8421504



# Same Dimension

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



12876832



16748288



12370976



6380887



10574336



2167552



# Inverse Universe

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



2123972



28927



2629828



5725025



18337



3873



# Previews

## White Background



This preview shows how the Decimal color 12876832 looks on a white background.

## Color Contrast Check

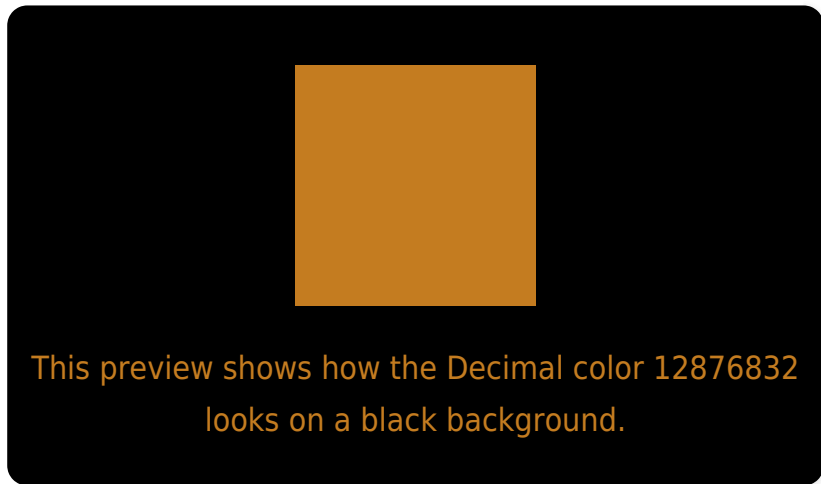
Large Text (above 18pt) WCAG AA ✓ Pass

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 12876832 Background



This preview shows how black text looks on a background with the Decimal color 12876832.



This preview shows how white text looks on a background with the Decimal color 12876832.

# 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**  
12876832

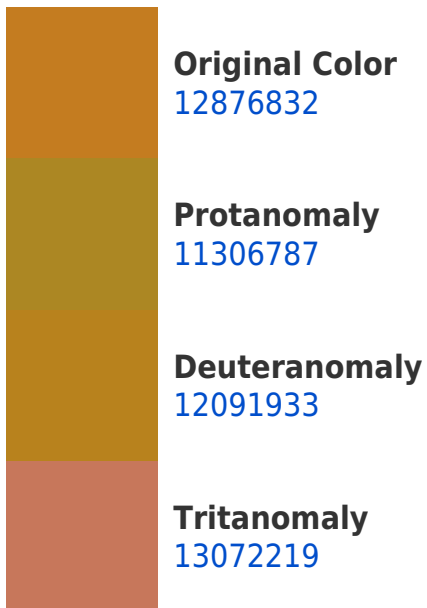
**Protanopia**  
10390820

**Deuteranopia**  
11633947

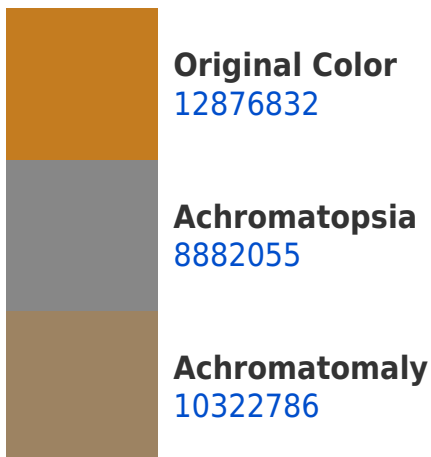


**Tritanopia**  
13202556

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12876832 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 #C47C20 looks like.

```
.text, #text, p{  
  color:#C47C20  
}
```

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 #C47C20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C47C20
}
```

## Border

The CSS property to change the border of an element to Decimal 12876832 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
#C47C20 }
```

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

```
.border{ border-color:#C47C20 }
```

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

Here you see how a box with a 4 pixel #C47C20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C47C20; -webkit-box-shadow:4px 4px  
4px 4px #C47C20; box-shadow:4px 4px 4px  
4px #C47C20 }
```

# Background

The CSS property to change the background color of an element to Decimal 12876832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C47C20 }
```

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

```
.background{ background-color:#C47C20 }
```

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