

# Converting Colors

Decimal(16207872)

Have a look what the booklet for  
Decimal(16207872) contains.

<b>Decimal(16207872)</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(16207872)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F75000
RGB	247, 80, 0
RGB Percent	97%, 31%, 0%
CMY	0.0314, 0.6863, 1.0000
CMYK	0.00, 0.68, 1.00, 0.03
HSL	19°, 100%, 48%
HSV	19°, 100%, 97%
XYZ	41.2264, 25.5115, 2.7513
YIQ	120.8130, 125.2120, 10.5240

# Conversions

## Conversions Part 2

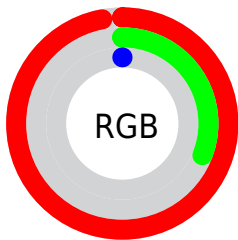
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 118, 0
Decimal	16207872
CIE <sub>Lab</sub>	57.57, 61.37, 68.16
CIE <sub>LCh</sub>	58, 91.716, 47.998
Yxy	25.5115, 0.5933, 0.3671
Android (android.graphics.Color)	4294397952 (0xFFFF75000)
YUV	120.8130, -59.5608, 110.6660
Hunter-Lab	50.5089, 57.3050, 32.1266

# Details

The Decimal color **16207872** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **42999**, and the grayscale version is **7960953**.

A 20% lighter version of the original color is **16746816**, and **11862784** is the 20% darker color. If you saturate the color by 10%, you get **16207872**, and if you desaturate by 10%, it is **16212249**.

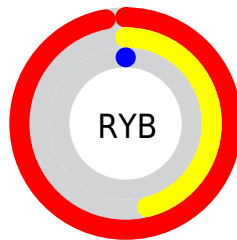
# Distribution



Red (97%)

Green (31%)

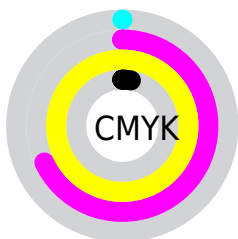
Blue (0%)



Red (97%)

Yellow (46%)

Blue (0%)

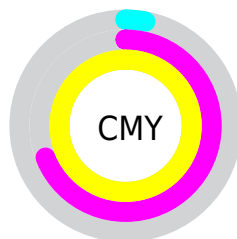


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (69%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16207872 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 16207872 by changing the saturation by 10% instead.



 16207872	 16207872
16777215	 14037248
 16746816	 11862784
 16754011	 9764864
 16761461	 7667712
 16768912	 5636096
 16776620	 3801090
 16777160	 1179648
 16777189	 0
 16207872	

 16212249

 16216369

 16220746

 16225123

 16229244

 16233620

 16237997

 16242374

 16246494

# Harmonies

## Analogous

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



16711775



16207872



12745472

# Triad

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



16207872



43366



34047

# Complementary

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



16207872



42999

# 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.



40703



16207872



44218

# Square

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



16207872



41728



43519



12998647

# Rectangle

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



16207872



9801216



43519



36607



# Sweetspot

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



16207872



16763827



16187561



8413266



0



8421504



# Same Dimension

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



16207872



16732928



16239104



8024686



12205056



3871488



# Inverse Universe

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



42999



44287



11767



7239290



32442



10299



# Previews

## White Background



This preview shows how the Decimal color 16207872 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



This preview shows how the Decimal color 16207872 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 × Fail

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



## Decimal 16207872 Background



This preview shows how black text looks on a background with the Decimal color 16207872.



This preview shows how white text looks on a background with the Decimal color 16207872.

# 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**  
16207872

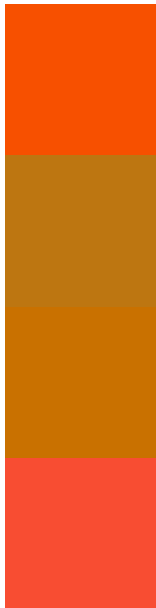
**Protanopia**  
10259226

**Deuteranopia**  
11502592



**Tritanopia**  
16272206

# Trichromacy



**Original Color**  
16207872

**Protanomaly**  
12416529

**Deuteranomaly**  
13201664

**Tritanomaly**  
16272690

# Monochromacy



**Original Color**  
16207872

**Achromatopsia**  
7960953

**Achromatomaly**  
10971725

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16207872 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 #F75000 looks like.

```
.text, #text, p{  
    color:#F75000  
}
```

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 #F75000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F75000
}
```

## Border

The CSS property to change the border of an element to Decimal 16207872 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
#F75000 }
```

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

```
.border{ border-color:#F75000 }
```

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

Here you see how a box with a 4 pixel #F75000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F75000; -webkit-box-shadow:4px 4px  
4px 4px #F75000; box-shadow:4px 4px 4px  
4px #F75000 }
```

# Background

The CSS property to change the background color of an element to Decimal 16207872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F75000 }
```

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

```
.background{ background-color:#F75000 }
```

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