

# Converting Colors

Decimal(16676864)

Have a look what the booklet for  
Decimal(16676864) contains.

<b>Decimal(16676864)</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(16676864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FE7800
RGB	254, 120, 0
RGB Percent	100%, 47%, 0%
CMY	0.0039, 0.5294, 1.0000
CMYK	0.00, 0.53, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.5895, 34.5038, 4.1517
YIQ	146.3860, 118.3840, -8.9120

# Conversions

## Conversions Part 2

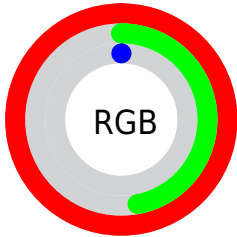
Format	Color
<a href="#">RYB</a>	<a href="#">254, 227, 0</a>
Decimal	<a href="#">16676864</a>
CIELab	<a href="#">65.36, 46.34, 72.96</a>
CIElCh	<a href="#">65, 86.434, 57.578</a>
Yxy	<a href="#">34.5038, 0.5518, 0.4001</a>
Android (android.graphics.Color)	<a href="#">4294866944 (0xFFFE7800)</a>
YUV	<a href="#">146.3860, -72.1683, 94.3775</a>
Hunter-Lab	<a href="#">58.7399, 41.8211, 36.9274</a>

# Details

The Decimal color **16676864** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **34558**, and the grayscale version is **9671571**.

A 20% lighter version of the original color is **16756551**, and **12403456** is the 20% darker color. If you saturate the color by 10%, you get **16676864**, and if you desaturate by 10%, it is **16680217**.

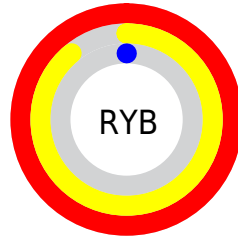
# Distribution



Red (100%)

Green (47%)

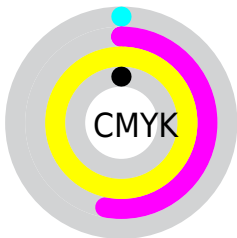
Blue (0%)



Red (100%)

Yellow (89%)

Blue (0%)

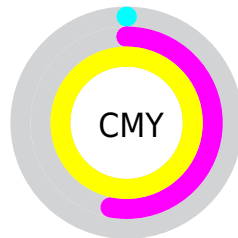


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (53%)


















Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16676864 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 16676864 by changing the saturation by 10% instead.



 16676864	 16676864
16777215	 14507520
 16756551	 12403456
 16763747	 10299392
 16770942	 8258816
 16777114	 6291456
 16777142	 4390912
 16777170	 2621441
 16777200	 0

 16676864

 16680217

 16683827

 16687180

 16690790

 16694143

 16697496

 16701106

 16704459

 16708069

# Harmonies

## Analogous

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



16731996



16676864



12949760

# Triad

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



16676864



49302



8949247

# Complementary

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



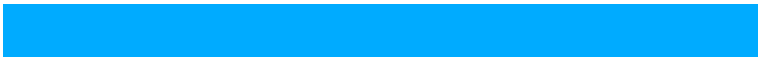
16676864



34558

# 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.



44031



16676864



49381

# Square

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



16676864



47940



48127



16016371

# Rectangle

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



16676864



9808128



48127



3643647



# Sweetspot

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



16676864



16766899



16646279



8415058



0



8421504



# Same Dimension

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



16676864



16742400



16709120



8419699



12540416



4201984



# Inverse Universe

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



34558



34815



2302



7567744



26047



8768



# Previews

## White Background



This preview shows how the Decimal color 16676864 looks on a white background.

## Color Contrast Check

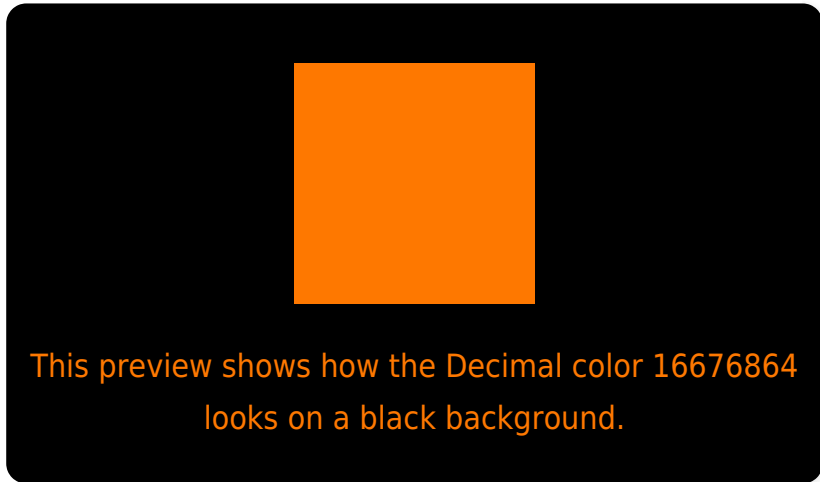
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 16676864 Background



This preview shows how black text looks on a background with the Decimal color 16676864.



This preview shows how white text looks on a background with the Decimal color 16676864.

# 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**

16676864

**Protanopia**

11771927

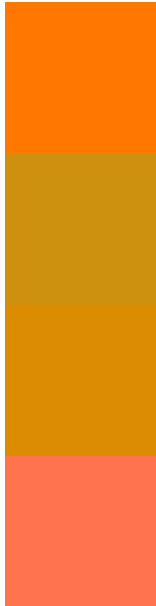
**Deuteranopia**

13211392



**Tritanopia**  
16740729

# Trichromacy



**Original Color**  
16676864

**Protanomaly**  
13537551

**Deuteranomaly**  
14453760

**Tritanomaly**  
16741453

# Monochromacy



**Original Color**  
16676864

**Achromatopsia**  
9605778

**Achromatomaly**  
12159325

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16676864 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 #FE7800 looks like.

```
.text, #text, p{  
  color:#FE7800  
}
```

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 #FE7800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FE7800
}
```

## Border

The CSS property to change the border of an element to Decimal 16676864 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
#FE7800 }
```

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

```
.border{ border-color:#FE7800 }
```

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

Here you see how a box with a 4 pixel #FE7800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FE7800; -webkit-box-shadow:4px 4px  
4px 4px #FE7800; box-shadow:4px 4px 4px  
4px #FE7800 }
```

# Background

The CSS property to change the background color of an element to Decimal 16676864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FE7800 }
```

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

```
.background{ background-color:#FE7800 }
```

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