

# Converting Colors

Decimal(16746255)

Have a look what the booklet for  
Decimal(16746255) contains.

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# **Color**

**Decimal(16746255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF870F
RGB	255, 135, 15
RGB Percent	100%, 53%, 6%
CMY	0.0000, 0.4706, 0.9412
CMYK	0.00, 0.47, 0.94, 0.00
HSL	30°, 100%, 53%
HSV	30°, 94%, 100%
XYZ	49.9902, 38.6224, 5.2720
YIQ	157.2000, 110.0400, -11.8800

# Conversions

## Conversions Part 2

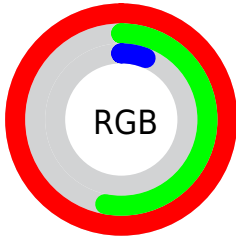
Format	Color
<a href="#">RYB</a>	<a href="#">255, 255, 15</a>
Decimal	<a href="#">16746255</a>
CIELab	<a href="#">68.48, 39.48, 72.75</a>
CIELCh	<a href="#">68, 82.774, 61.516</a>
Yxy	<a href="#">38.6224, 0.5325, 0.4114</a>
Android (android.graphics.Color)	<a href="#">4294936335</a> ( <a href="#">0xFFFF870F</a> )
YUV	<a href="#">157.2000, -70.1046, 85.7706</a>
Hunter-Lab	<a href="#">62.1470, 34.8259, 38.4732</a>

# Details

The Decimal color **16746255** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **1017855**, and the grayscale version is **10395294**.

A 20% lighter version of the original color is **16760143**, and **12538624** is the 20% darker color. If you saturate the color by 10%, you get **16744448**, and if you desaturate by 10%, it is **16749609**.

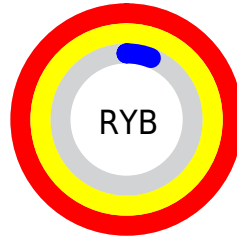
# Distribution



Red (100%)

Green (53%)

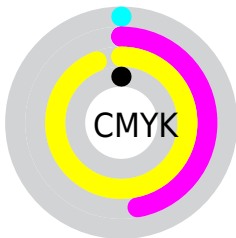
Blue (6%)



Red (100%)

Yellow (100%)

Blue (6%)

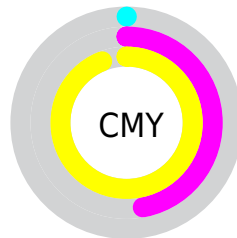


Cyan (0%)

Magenta (47%)

Yellow (94%)

Black (0%)



Cyan (0%)

Magenta (47%)




















Yellow (94%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16746255 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 16746255 by changing the saturation by 10% instead.



 16746255	 16746255
16777215	 14642432
 16760143	 12538624
 16767595	 10500608
 16775046	 8462336
 16777122	 6488320
 16777150	 4587520
 16777179	 2949121
 16777209	 0
 16746255	 16746255

16744448

16749609

16752962

16756060

16759413

16762767

16766120

16769218

16772571

16775925

# Harmonies

## Analogous

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



16737117



16746255



12952832

# Triad

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



16746255



51369



10981887

# Complementary

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



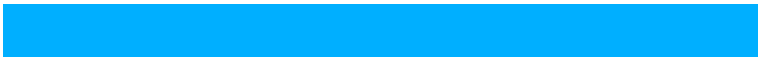
16746255



1017855

# 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.



45055



16746255



51444

# Square

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



16746255



50267



49663



16739312

# Rectangle

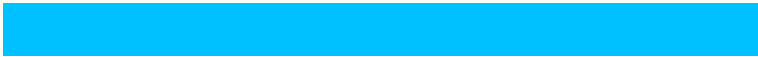
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16746255



9810688



49663



7576831



# Sweetspot

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



16746255



16767928



16715655



8415828



0



8421504



# Same Dimension

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



16746255



16744448



16776975



8419699



12541952



4202496



# Inverse Universe

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



1017855



33023



987135



7567744



24767



8256



# Previews

## White Background



This preview shows how the Decimal color 16746255 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 16746255 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 16746255 Background



This preview shows how black text looks on a background with the Decimal color 16746255.



This preview shows how white text looks on a background with the Decimal color 16746255.

# 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**  
16746255

**Protanopia**  
12429338

**Deuteranopia**  
13934336



**Tritanopia**  
16744841

# Trichromacy



**Original Color**  
16746255

**Protanomaly**  
13999126

**Deuteranomaly**  
14980613

**Tritanomaly**  
16745309

# Monochromacy



**Original Color**  
16746255

**Achromatopsia**  
10329501

**Achromatomaly**  
12686697

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16746255 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 #FF870F looks like.

```
.text, #text, p{  
    color:#FF870F  
}
```

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 #FF870F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF870F
}
```

## Border

The CSS property to change the border of an element to Decimal 16746255 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
#FF870F }
```

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

```
.border{ border-color:#FF870F }
```

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

Here you see how a box with a 4 pixel #FF870F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF870F; -webkit-box-shadow:4px 4px  
4px 4px #FF870F; box-shadow:4px 4px 4px  
4px #FF870F }
```

# Background

The CSS property to change the background color of an element to Decimal 16746255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF870F }
```

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

```
.background{ background-color:#FF870F }
```

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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