

# Converting Colors

Decimal(16746751)

Have a look what the booklet for  
Decimal(16746751) contains.

<b>Decimal(16746751)</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(16746751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF88FF
RGB	255, 136, 255
RGB Percent	100%, 53%, 100%
CMY	0.0000, 0.4667, 0.0000
CMYK	0.00, 0.47, 0.00, 0.00
HSL	300°, 100%, 77%
HSV	300°, 47%, 100%
XYZ	68.0942, 46.0883, 99.9147
YIQ	185.1470, 32.7250, 62.2370

# Conversions

## Conversions Part 2

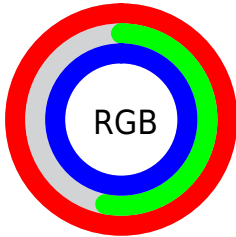
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 136, 255
Decimal	16746751
CIE <sub>Lab</sub>	73.60, 61.18, -39.86
CIE <sub>LCh</sub>	74, 73.020, 326.912
Yxy	46.0883, 0.3181, 0.2153
Android (android.graphics.Color)	4294936831 (0xFFFF88FF)
YUV	185.1470, 34.4375, 61.2611
Hunter-Lab	67.8884, 60.2364, -39.7382

# Details

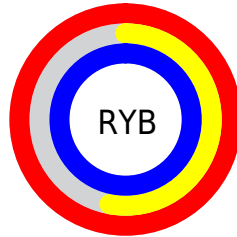
The Decimal color **16746751** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **8978312**, and the grayscale version is **12171705**.

A 20% lighter version of the original color is **16761343**, and **12865734** is the 20% darker color. If you saturate the color by 10%, you get **16740351**, and if you desaturate by 10%, it is **16753407**.

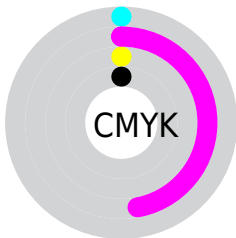
# Distribution



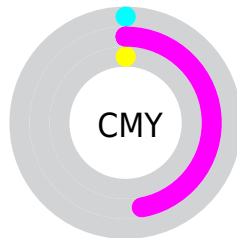
- Red (100%)
- Green (53%)
- Blue (100%)



- Red (100%)
- Yellow (53%)
- Blue (100%)



- Cyan (0%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)

















- Cyan (0%)
- Magenta (47%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16746751 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 16746751 by changing the saturation by 10% instead.



 16746751	 16746751
16777215	 14773474
 16761343	 12865734
 16768767	 10957994
 16776191	 9113487
	 7274613
	 5505116
	 3801156
	 2097197
	 279

 16746751

 16746751

 16740351

 16753407

 16733695

 16759807

 16727295

 16766463

 16720639

 16772863

 16714239

16777215

 16711935

# Harmonies

## Analogous

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



10987263



16746751



16741567

# Triad

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



16746751



14462744



54512

# Complementary

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



16746751



8978312

# 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.



54444



16746751



10208046

# Square

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



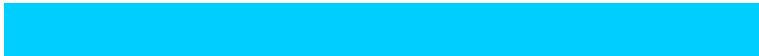
16746751



16749891



3526248



52991

# Rectangle

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



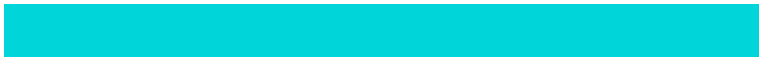
16746751



16741778



3526248



54746



# Sweetspot

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



16746751



16767999



8947967



8415872



0



8421504



# Same Dimension

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



16746751



16740607



16746692



8418176



12517567



4194368



# Inverse Universe

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



16746751



16740607



8978372



8418176



12517567



4194368



# Previews

## White Background



This preview shows how the Decimal color 16746751 looks on a white background.

## Color Contrast Check

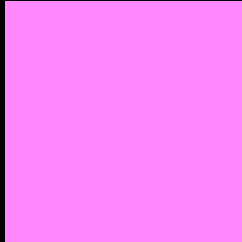
Large Text (above 18pt) WCAG AA × Fail

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 16746751 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 16746751 Background



This preview shows how black text looks on a background with the Decimal color 16746751.

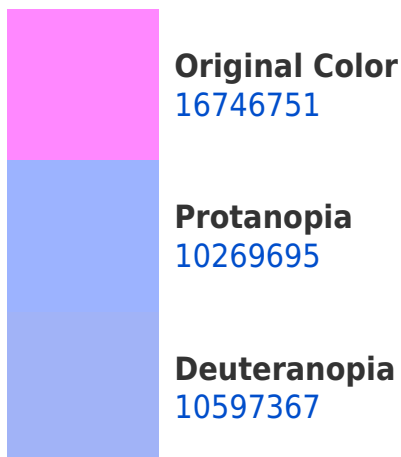


This preview shows how white text looks on a background with the Decimal color 16746751.

# 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





**Tritanopia**  
16030888

# Trichromacy



**Original Color**

16746751



**Protanomaly**

12624895



**Deuteranomaly**

12821498



**Tritanomaly**

16291272

# Monochromacy



**Original Color**

16746751



**Achromatopsia**

12171705



**Achromatomaly**

13805522

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16746751 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 #FF88FF looks like.

```
.text, #text, p{  
    color:#FF88FF  
}
```

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 #FF88FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF88FF
}
```

## Border

The CSS property to change the border of an element to Decimal 16746751 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
#FF88FF }
```

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

```
.border{ border-color:#FF88FF }
```

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

Here you see how a box with a 4 pixel #FF88FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF88FF; -webkit-box-shadow:4px 4px  
4px 4px #FF88FF; box-shadow:4px 4px 4px  
4px #FF88FF }
```

# Background

The CSS property to change the background color of an element to Decimal 16746751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF88FF }
```

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

```
.background{ background-color:#FF88FF }
```

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