

# Converting Colors

Decimal(16733921)

Have a look what the booklet for  
Decimal(16733921) contains.

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# **Color**

**Decimal(16733921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF56E1
RGB	255, 86, 225
RGB Percent	100%, 34%, 88%
CMY	0.0000, 0.6627, 0.1176
CMYK	0.00, 0.66, 0.12, 0.00
HSL	311°, 100%, 67%
HSV	311°, 66%, 100%
XYZ	58.1584, 33.3518, 74.6064
YIQ	152.3770, 56.1050, 79.0570

# Conversions

## Conversions Part 2

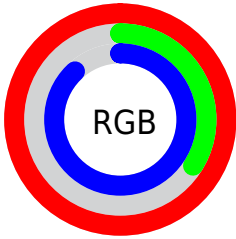
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 86, 225
Decimal	16733921
CIE Lab	64.44, 77.74, -37.62
CIE LCh	64, 86.365, 334.175
Yxy	33.3518, 0.3501, 0.2008
Android (android.graphics.Color)	4294924001 (0xFFFF56E1)
YUV	152.3770, 35.8031, 90.0004
Hunter-Lab	57.7510, 78.6948, -36.1688

# Details

The Decimal color **16733921** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **5701492**, and the grayscale version is **10000536**.

A 20% lighter version of the original color is **16749311**, and **12779689** is the 20% darker color. If you saturate the color by 10%, you get **16727516**, and if you desaturate by 10%, it is **16740582**.

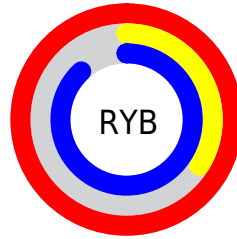
# Distribution



Red (100%)

Green (34%)

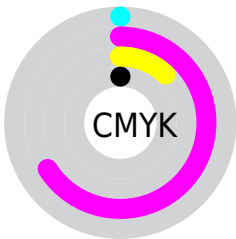
Blue (88%)



Red (100%)

Yellow (34%)

Blue (88%)

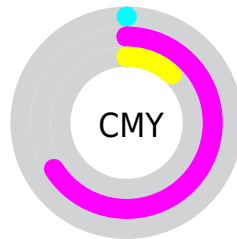


Cyan (0%)

Magenta (66%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (66%)
















Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16733921 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 16733921 by changing the saturation by 10% instead.



 16733921	 16733921
16777215	 14759109
 16749311	 12779689
 16756991	 10813582
 16764671	 8913012
 16772351	 7012443
	 5177411
	 3407916
	 983062
	 0

■ 16733921

■ 16733921

■ 16727516

■ 16740582

■ 16720856

■ 16746986

■ 16714451

■ 16753647

■ 16711890

■ 16760051

■ 16766712

■ 16773116

16777215

# Harmonies

## Analogous

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



10912511



16733921



16726421

# Triad

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



16733921



11771136



48626

# Complementary

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



16733921



5701492

# 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.



48805



16733921



6402048

# Square

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



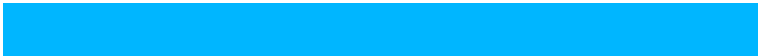
16733921



15760896



47444



46847

# Rectangle

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



16733921



16730210



47444



48858



# Sweetspot

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



16733921



16764150



7493375



8413562



0



8421504



# Same Dimension

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



16733921



16724955



16733838



8418173



12517533



4194356



# Inverse Universe

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



16733921



16724955



5701575



8418173



12517533



4194356



# Previews

## White Background



This preview shows how the Decimal color 16733921 looks on a white background.

## Color Contrast Check

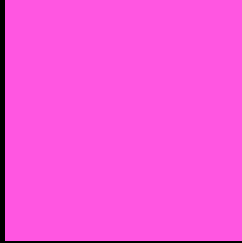
Large Text (above 18pt) WCAG AA × Fail

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 16733921 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 16733921 Background



This preview shows how black text looks on a background with the Decimal color 16733921.




This preview shows how white text looks on a background with the Decimal color 16733921.

# 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**  
16085883

# Trichromacy



**Original Color**  
16733921



**Protanomaly**  
10912244



**Deuteranomaly**  
11895258



**Tritanomaly**  
16345248

# Monochromacy



**Original Color**  
16733921



**Achromatopsia**  
10000536



**Achromatomaly**  
12419251

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16733921 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 #FF56E1 looks like.

```
.text, #text, p{  
    color:#FF56E1  
}
```

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 #FF56E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF56E1
}
```

## Border

The CSS property to change the border of an element to Decimal 16733921 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
#FF56E1 }
```

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

```
.border{ border-color:#FF56E1 }
```

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

Here you see how a box with a 4 pixel #FF56E1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF56E1; -webkit-box-shadow:4px 4px  
4px 4px #FF56E1; box-shadow:4px 4px 4px  
4px #FF56E1 }
```

# Background

The CSS property to change the background color of an element to Decimal 16733921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF56E1 }
```

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

```
.background{ background-color:#FF56E1 }
```

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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