

# Converting Colors

Decimal(12016837)

Have a look what the booklet for  
Decimal(12016837) contains.

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# **Color**

**Decimal(12016837)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B75CC5
RGB	183, 92, 197
RGB Percent	72%, 36%, 77%
CMY	0.2824, 0.6392, 0.2275
CMYK	0.07, 0.53, 0.00, 0.23
HSL	292°, 48%, 57%
HSV	292°, 53%, 77%
XYZ	33.4336, 21.7528, 55.2599
YIQ	131.1790, 20.5310, 51.9470

# Conversions

## Conversions Part 2

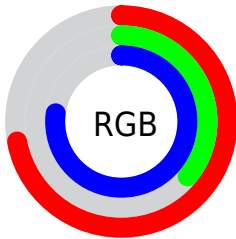
Format	Color
<a href="#">RYB</a>	<a href="#">183, 92, 197</a>
Decimal	<a href="#">12016837</a>
CIELab	<a href="#">53.76, 52.25, -39.25</a>
CIElCh	<a href="#">54, 65.348, 323.086</a>
Yxy	<a href="#">21.7528, 0.3027, 0.1970</a>
Android (android.graphics.Color)	<a href="#">4290206917 (0xFFB75CC5)</a>
YUV	<a href="#">131.1790, 32.4498, 45.4470</a>
Hunter-Lab	<a href="#">46.6399, 46.3373, -37.6001</a>

# Details

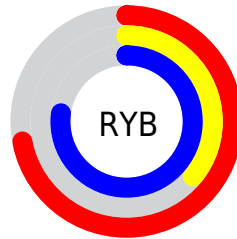
The Decimal color **12016837** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **6997340**, and the grayscale version is **8618883**.

A 20% lighter version of the original color is **15831806**, and **8332943** is the 20% darker color. If you saturate the color by 10%, you get **11815109**, and if you desaturate by 10%, it is **12218565**.

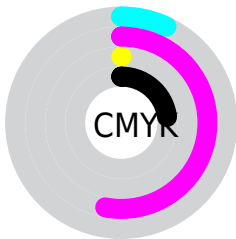
# Distribution



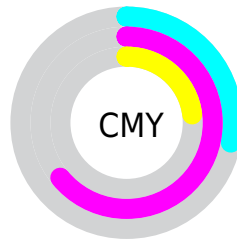
- Red (72%)
- Green (36%)
- Blue (77%)



- Red (72%)
- Yellow (36%)
- Blue (77%)



- Cyan (7%)
- Magenta (53%)
- Yellow (0%)
- Black (23%)



- Cyan (28%)
- Magenta (64%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12016837 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 12016837 by changing the saturation by 10% instead.



 12016837

 12016837

16777215

 10174889

 15831806

 8332943

 16756223

 6553973

 16763647

 4849756

 16770815

 3211332

 1441837

 279

 0

 12016837

 12016837

■ 11815109

■ 12218565

■ 11679173

■ 12354501

■ 11477445

■ 12556229

■ 11275717

■ 12757957

■ 11206853

■ 12894149

■ 13095621

■ 13231813

■ 13433541

■ 13631429

# Harmonies

## Analogous

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



6518761



12016837



14501264

# Triad

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



12016837



10844416



39595

# Complementary

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



12016837



6997340

# 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.



39281



12016837



7440896

# Square

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



12016837



13459748



1414199



38618

# Rectangle

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



12016837



14959722



1414199



39576



# Sweetspot

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



12016837



16439039



6056645



8152960



0



8421504



# Same Dimension

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



12016837



15293695



12934302



6445667



9240739



2031652



# Inverse Universe

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



12934250



16735346



6079875



6511195



10682390



2359301



# Previews

## White Background



This preview shows how the Decimal color 12016837 looks on a white background.

## Color Contrast Check

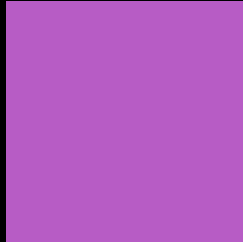
Large Text (above 18pt) WCAG AA ✓ Pass

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 12016837 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

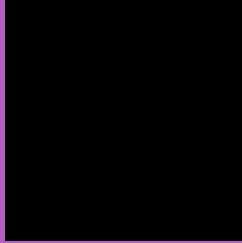
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Decimal 12016837 Background



This preview shows how black text looks on a background with the Decimal color 12016837.

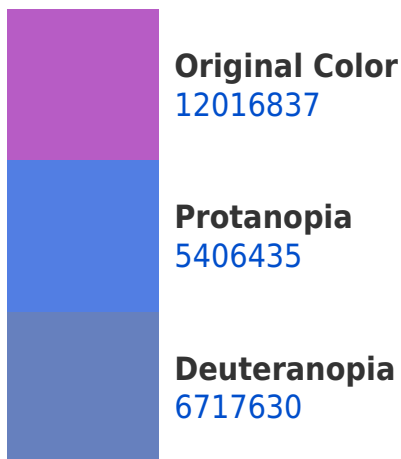



This preview shows how white text looks on a background with the Decimal color 12016837.

# 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**  
11366520

# Trichromacy



**Original Color**  
12016837



**Protanomaly**  
7828184



**Deuteranomaly**  
8614849



**Tritanomaly**  
11626900

# Monochromacy



**Original Color**  
12016837



**Achromatopsia**  
8618883



**Achromatomaly**  
9860507

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12016837 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 #B75CC5 looks like.

```
.text, #text, p{  
  color:#B75CC5  
}
```

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 #B75CC5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B75CC5
}
```

## Border

The CSS property to change the border of an element to Decimal 12016837 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
#B75CC5 }
```

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

```
.border{ border-color:#B75CC5 }
```

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

Here you see how a box with a 4 pixel #B75CC5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B75CC5; -webkit-box-shadow:4px 4px  
4px 4px #B75CC5; box-shadow:4px 4px 4px  
4px #B75CC5 }
```

# Background

The CSS property to change the background color of an element to Decimal 12016837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B75CC5 }
```

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

```
.background{ background-color:#B75CC5 }
```

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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