

# Converting Colors

Decimal(12419012)

Have a look what the booklet for  
Decimal(12419012) contains.

<b>Decimal(12419012)</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(12419012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD7FC4
RGB	189, 127, 196
RGB Percent	74%, 50%, 77%
CMY	0.2588, 0.5020, 0.2314
CMYK	0.04, 0.35, 0.00, 0.23
HSL	294°, 37%, 63%
HSV	294°, 35%, 77%
XYZ	38.5394, 29.9831, 55.9806
YIQ	153.4040, 14.8030, 34.6030

# Conversions

## Conversions Part 2

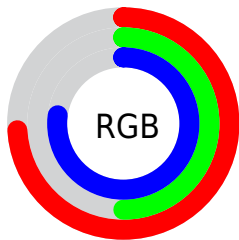
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 127, 196
Decimal	12419012
CIELab	61.64, 35.42, -26.36
CIELCh	62, 44.156, 323.345
Yxy	29.9831, 0.3095, 0.2408
Android (android.graphics.Color)	4290609092 (0xFFBD7FC4)
YUV	153.4040, 20.9998, 31.2177
Hunter-Lab	54.7568, 29.8091, -22.2854

# Details

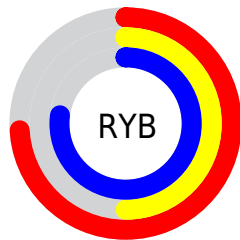
The Decimal color **12419012** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **8832127**, and the grayscale version is **10066329**.

A 20% lighter version of the original color is **16168445**, and **8801422** is the 20% darker color. If you saturate the color by 10%, you get **12282820**, and if you desaturate by 10%, it is **12555204**.

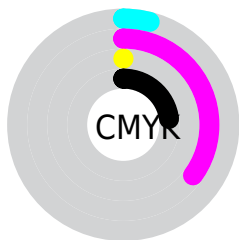
# Distribution



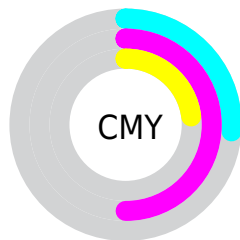
- Red (74%)
- Green (50%)
- Blue (77%)



- Red (74%)
- Yellow (50%)
- Blue (77%)



- Cyan (4%)
- Magenta (35%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (50%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12419012 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 12419012 by changing the saturation by 10% instead.





 12419012

 12419012

16777215

 10577321

 16168445


 8801422

 16765439

 7091316

 16772607

 5446747

 3801668

 2424877

 279


 0

 12419012

 12419012

 12282820

 12555204

 12146884

 12691140

 12010692

 12827332

 11874756

 12963268

 11738564

 13099460

 11602372

 13235652

 11534532

 13369284

 13500356

 13631428

# Harmonies

## Analogous

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



9080541



12419012



14251423

# Triad

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



12419012



11833413



43443

# Complementary

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



12419012



8832127

# 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.



108683



12419012



9346122

# Square

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



12419012



13664599



6268005



42451

# Rectangle

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



12419012



14644613



6268005



43430



# Sweetspot

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



12419012



16573439



8357828



8286080



0



8421504



# Same Dimension

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



12419012



16028927



12877738



6313825



9437345



1966113



# Inverse Universe

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



12877702



16749727



8373401



6379352



10551312

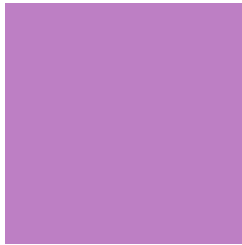


2162691



# Previews

## White Background



This preview shows how the Decimal color 12419012 looks on a white background.

## Color Contrast Check

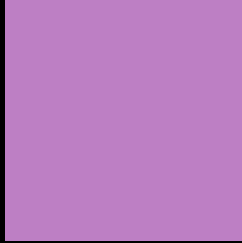
Large Text (above 18pt) WCAG AA ✓ Pass

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 12419012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

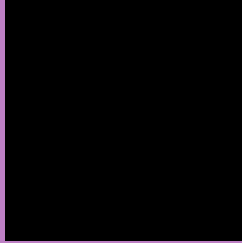
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Decimal 12419012 Background



This preview shows how black text looks on a background with the Decimal color 12419012.



This preview shows how white text looks on a background with the Decimal color 12419012.

# 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**  
11962771

# Trichromacy



**Original Color**  
12419012



**Protanomaly**  
9931982



**Deuteranomaly**  
10390721



**Tritanomaly**  
12158373

# Monochromacy



**Original Color**  
12419012



**Achromatopsia**  
10066329



**Achromatomaly**  
10916009

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12419012 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 #BD7FC4 looks like.

```
.text, #text, p{  
    color:#BD7FC4  
}
```

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 #BD7FC4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD7FC4
}
```

## Border

The CSS property to change the border of an element to Decimal 12419012 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
#BD7FC4 }
```

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

```
.border{ border-color:#BD7FC4 }
```

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

Here you see how a box with a 4 pixel #BD7FC4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD7FC4; -webkit-box-shadow:4px 4px  
4px 4px #BD7FC4; box-shadow:4px 4px 4px  
4px #BD7FC4 }
```

# Background

The CSS property to change the background color of an element to Decimal 12419012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD7FC4 }
```

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

```
.background{ background-color:#BD7FC4 }
```

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