

# Converting Colors

Decimal(10187002)

Have a look what the booklet for  
Decimal(10187002) contains.

<b>Decimal(10187002)</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(10187002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B70FA
RGB	155, 112, 250
RGB Percent	61%, 44%, 98%
CMY	0.3922, 0.5608, 0.0196
CMYK	0.38, 0.55, 0.00, 0.02
HSL	259°, 93%, 71%
HSV	259°, 55%, 98%
XYZ	36.5671, 25.4590, 93.4293
YIQ	140.5890, -18.6700, 52.0340

# Conversions

## Conversions Part 2

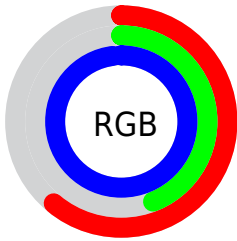
Format	Color
<a href="#">RYB</a>	<a href="#">155, 112, 250</a>
Decimal	<a href="#">10187002</a>
CIELab	<a href="#">57.52, 46.76, -63.29</a>
CIELCh	<a href="#">58, 78.690, 306.455</a>
Yxy	<a href="#">25.4590, 0.2352, 0.1638</a>
Android (android.graphics.Color)	<a href="#">4288377082 (0xFF9B70FA)</a>
YUV	<a href="#">140.5890, 53.9396, 12.6384</a>
Hunter-Lab	<a href="#">50.4569, 41.0625, -74.4653</a>

# Details

The Decimal color **10187002** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **13630064**, and the grayscale version is **9211020**.

A 20% lighter version of the original color is **14067199**, and **6373057** is the 20% darker color. If you saturate the color by 10%, you get **9066490**, and if you desaturate by 10%, it is **11307514**.

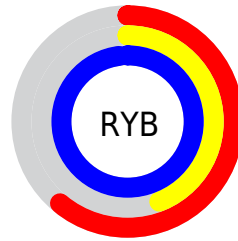
# Distribution



Red (61%)

Green (44%)

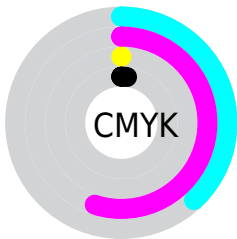
Blue (98%)



Red (61%)

Yellow (44%)

Blue (98%)

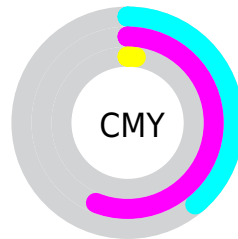


Cyan (38%)

Magenta (55%)

Yellow (0%)

Black (2%)



Cyan (39%)

Magenta (56%)
















Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 10187002 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 10187002 by changing the saturation by 10% instead.



 10187002	 10187002
16777215	 8280029
 14067199	 6373057
 15974911	 4400805
 16768511	 2100362
 16775935	 112
	 86
	 1598
	 807
	 272

■ 10187002

■ 10187002

■ 9066490

■ 11307514

■ 7945978

■ 12428026

■ 6759930

■ 13614074

■ 5639418

■ 14734586

■ 5112058

■ 15855098

■ 16777210

# Harmonies

## Analogous

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



36607



10187002



15092162

# Triad

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



10187002



13726208



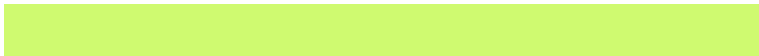
43160

# Complementary

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



10187002



13630064

# 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.



42319



10187002



10128384

# Square

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



10187002



16207420



5151744



42971

# Rectangle

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



10187002



16528533



5151744



42880



# Sweetspot

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



10187002



14800127



7393786



7235200



0



8421504



# Same Dimension

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



10187002



9132031



14577914



7630973



3866813



1245245



# Inverse Universe

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



16412879



16734155



9239152



8220793



12386434

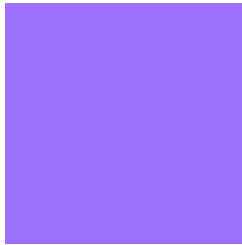


3997738



# Previews

## White Background



This preview shows how the Decimal color 10187002 looks on a white background.

## Color Contrast Check

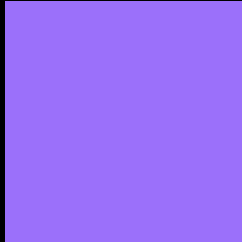
Large Text (above 18pt) WCAG AA ✓ Pass

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 10187002 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 10187002 Background



This preview shows how black text looks on a background with the Decimal color 10187002.



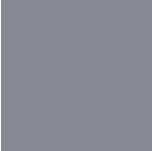
This preview shows how white text looks on a background with the Decimal color 10187002.

# 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**  
8751765

# Trichromacy



**Original Color**  
10187002



**Protanomaly**  
6848253



**Deuteranomaly**  
5538550



**Tritanomaly**  
9273786

# Monochromacy



**Original Color**  
10187002



**Achromatopsia**  
9276813



**Achromatomaly**  
9601717

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 10187002 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 #9B70FA looks like.

```
.text, #text, p{  
  color:#9B70FA  
}
```

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 #9B70FA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B70FA
}
```

## Border

The CSS property to change the border of an element to Decimal 10187002 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
#9B70FA }
```

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

```
.border{ border-color:#9B70FA }
```

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

Here you see how a box with a 4 pixel #9B70FA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B70FA; -webkit-box-shadow:4px 4px  
4px 4px #9B70FA; box-shadow:4px 4px 4px  
4px #9B70FA }
```

# Background

The CSS property to change the background color of an element to Decimal 10187002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B70FA }
```

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

```
.background{ background-color:#9B70FA }
```

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