

# Converting Colors

Decimal(12828637)

Have a look what the booklet for  
Decimal(12828637) contains.

**Decimal(12828637)** ..... 3

***Conversions*** ..... 4

***Details*** ..... 6

***Harmonies*** ..... 11

***Previews*** ..... 23

***Color Blindness Simulation*** ..... 26

***CSS Examples*** ..... 29

# Color

**Decimal(12828637)**

# Conversions

Conversions Part 1	
Format	Color
Hex	C3BFDD
RGB	195, 191, 221
RGB Percent	76%, 75%, 87%
CMY	0.2353, 0.2510, 0.1333
CMYK	0.12, 0.14, 0.00, 0.13
HSL	248°, 31%, 81%
HSV	248°, 14%, 87%
XYZ	54.1876, 54.0842, 75.9899
YIQ	195.6160, -7.2460, 10.1780

# Conversions

## Conversions Part 2

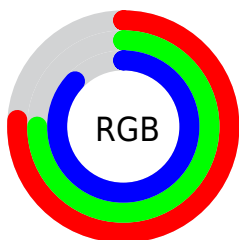
Format	Color
<a href="#">RYB</a>	<a href="#">195, 191, 221</a>
Decimal	<a href="#">12828637</a>
CIELab	<a href="#">78.51, 7.22, -14.45</a>
CIELCh	<a href="#">79, 16.157, 296.546</a>
Yxy	<a href="#">54.0842, 0.2941, 0.2935</a>
Android (android.graphics.Color)	<a href="#">4291018717</a> (0xFFC3BFDD)
YUV	<a href="#">195.6160, 12.5143, -0.5402</a>
Hunter-Lab	<a href="#">73.5419, 2.8251, -9.7842</a>

# Details

The Decimal color **12828637** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **14278079**, and the grayscale version is **12895428**.

A 20% lighter version of the original color is **16578559**, and **9276070** is the 20% darker color. If you saturate the color by 10%, you get **11577821**, and if you desaturate by 10%, it is **14079453**.

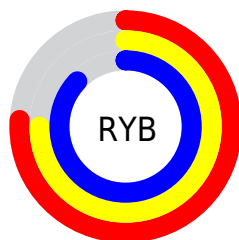
# Distribution



Red (76%)

Green (75%)

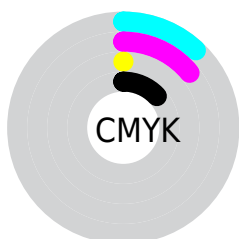
Blue (87%)



Red (76%)

Yellow (75%)

Blue (87%)

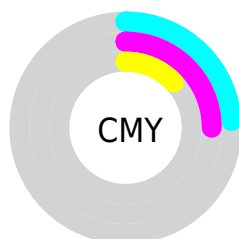


Cyan (12%)

Magenta (14%)

Yellow (0%)

Black (13%)



Cyan (24%)

Magenta (25%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 12828637 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 12828637 by changing the saturation by 10% instead.



 12828637

 12828637

16777215

 11052225

 16578559

 9276070

 7565452

 5986418

 4407641

 2894658

 1513004

 279

 0

 12828637

 12828637

 11577821

 14079453

 10327005

 15330269

 9076189

 16580573

 7759837

 16777181

 6509021

 5257949

 4007133

 2756317

 1900765

# Harmonies

## Analogous

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



11584736



12828637



13941715

# Triad

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



12828637



14531754



10603456

# Complementary

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



12828637



14278079

# 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.



11520433



12828637



13681061

# Square

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



12828637



14858677



12633511



10210255

# Rectangle

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



12828637



14531018



12633511



10865595



# Sweetspot

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



12828637



16184831



12573149



8026496



0



8421504



# Same Dimension

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



12828637



14472959



13811677



6579054



1507501



393262



# Inverse Universe

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



14532569



16766714



13295039



7234412



11337878

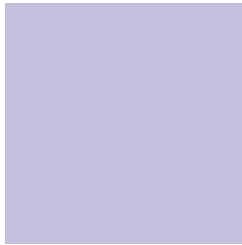


3014696



# Previews

## White Background



This preview shows how the Decimal color 12828637 looks on a white background.

## Color Contrast Check

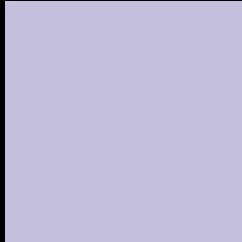
Large Text (above 18pt) WCAG AA × Fail

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 12828637 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

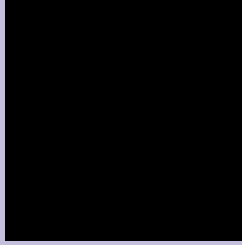
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

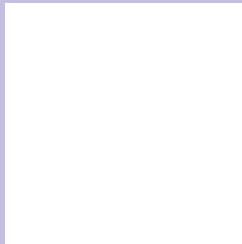
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Decimal 12828637 Background



This preview shows how black text looks on a background with the Decimal color 12828637.



This preview shows how white text looks on a background with the Decimal color 12828637.

# 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



**Original Color**  
12828637

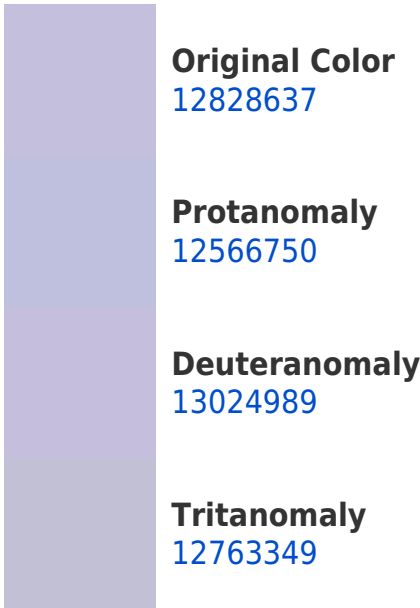
**Protanopia**  
12435934

**Deuteranopia**  
13155805



**Tritanopia**  
12698064

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 12828637 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 #C3BFDD looks like.

```
.text, #text, p{  
    color:#C3BFDD  
}
```

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 #C3BFDD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C3BFDD
}
```

## Border

The CSS property to change the border of an element to Decimal 12828637 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
#C3BFDD }
```

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

```
.border{ border-color:#C3BFDD }
```

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

Here you see how a box with a 4 pixel #C3BFDD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C3BFDD; -webkit-box-shadow:4px 4px  
4px 4px #C3BFDD; box-shadow:4px 4px 4px  
4px #C3BFDD }
```

# Background

The CSS property to change the background color of an element to Decimal 12828637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C3BFDD }
```

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

```
.background{ background-color:#C3BFDD }
```

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