

# Converting Colors

Decimal(16728797)

Have a look what the booklet for  
Decimal(16728797) contains.

<b>Decimal(16728797)</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(16728797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF42DD
RGB	255, 66, 221
RGB Percent	100%, 26%, 87%
CMY	0.0000, 0.7412, 0.1333
CMYK	0.00, 0.74, 0.13, 0.00
HSL	311°, 100%, 63%
HSV	311°, 74%, 100%
XYZ	56.2394, 30.3769, 71.3058
YIQ	140.1810, 62.8890, 88.2730

# Conversions

## Conversions Part 2

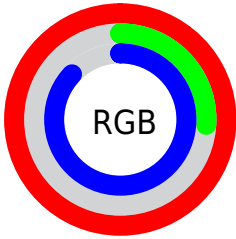
Format	Color
R <sub>Y</sub> B	255, 66, 221
Decimal	16728797
CIE <sub>Lab</sub>	61.98, 83.65, -39.24
CIE <sub>LCh</sub>	62, 92.395, 334.871
Y <sub>xy</sub>	30.3769, 0.3561, 0.1924
Android (android.graphics.Color)	4294918877 (0xFFFF42DD)
YUV	140.1810, 39.8438, 100.6963
Hunter-Lab	55.1152, 85.6890, -38.1263

# Details

The Decimal color **16728797** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **4390756**, and the grayscale version is **9211020**.

A 20% lighter version of the original color is **16745471**, and **12714149** is the 20% darker color. If you saturate the color by 10%, you get **16722136**, and if you desaturate by 10%, it is **16735202**.

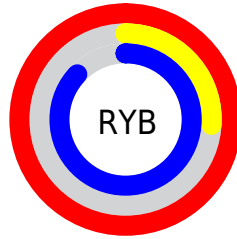
# Distribution



Red (100%)

Green (26%)

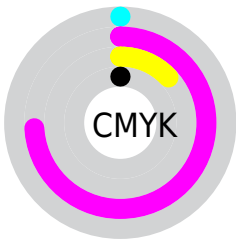
Blue (87%)



Red (100%)

Yellow (26%)

Blue (87%)

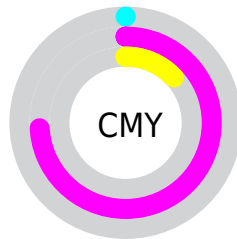


Cyan (0%)

Magenta (74%)

Yellow (13%)

Black (0%)



Cyan (0%)

Magenta (74%)

















Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 16728797 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 16728797 by changing the saturation by 10% instead.



 16728797	 16728797
16777215	 14684609
 16745471	 12714149
 16753151	 10748043
 16761087	 8847473
 16768767	 6946904
 16776447	 5111872
	 3211305
	 393234
	 0

■ 16728797

■ 16728797

■ 16722136

■ 16735202

■ 16715732

■ 16741862

■ 16711889

■ 16748523

■ 16754927

■ 16761588

■ 16767993

■ 16774397

16777215

# Harmonies

## Analogous

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



10516735



16728797



16714380

# Triad

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



16728797



11179776



47346

# Complementary

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



16728797



4390756

# 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.



47265



16728797



5286400

# Square

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



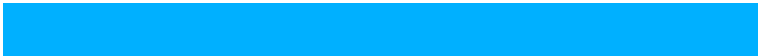
16728797



15431168



46154



45311

# Rectangle

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



16728797



16724055



46154



47321



# Sweetspot

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



16728797



16762869



6374143



8412794



0



8421504



# Same Dimension

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



16728797



16719062



16728705



8418173



12517533



4194356



# Inverse Universe

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



16728797



16719062



4390848



8418173



12517533



4194356



# Previews

## White Background



This preview shows how the Decimal color 16728797 looks on a white background.

## Color Contrast Check

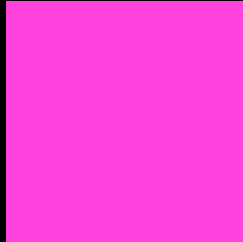
Large Text (above 18pt) WCAG AA × Fail

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 16728797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

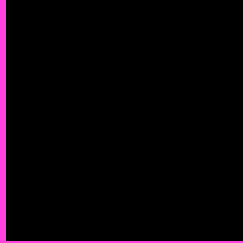
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Decimal 16728797 Background



This preview shows how black text looks on a background with the Decimal color 16728797.



This preview shows how white text looks on a background with the Decimal color 16728797.

# 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](#).

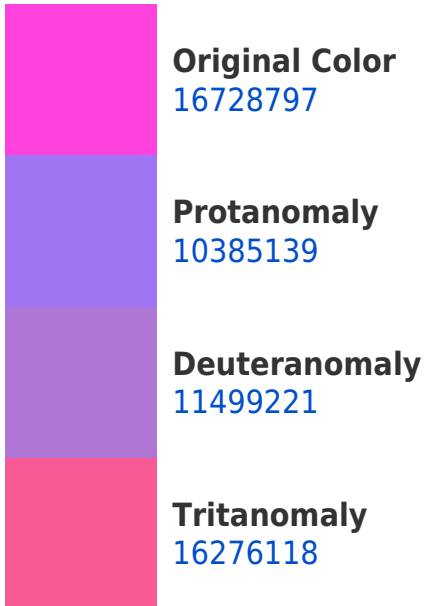
## Dichromacy





**Tritanopia**  
16017262

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 16728797 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 #FF42DD looks like.

```
.text, #text, p{  
    color:#FF42DD  
}
```

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 #FF42DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF42DD
}
```

## Border

The CSS property to change the border of an element to Decimal 16728797 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
#FF42DD }
```

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

```
.border{ border-color:#FF42DD }
```

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

Here you see how a box with a 4 pixel #FF42DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF42DD; -webkit-box-shadow:4px 4px  
4px 4px #FF42DD; box-shadow:4px 4px 4px  
4px #FF42DD }
```

# Background

The CSS property to change the background color of an element to Decimal 16728797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF42DD }
```

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

```
.background{ background-color:#FF42DD }
```

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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