

# Converting Colors

Hex(964DDD)

Have a look what the booklet for  
Hex(964DDD) contains.

|  |    |
|--|----|
| <b>Hex(964DDD)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

**Hex(964DDD)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 964DDD                     |
| RGB           | 150, 77, 221               |
| RGB Percent   | 59%, 30%, 87%              |
| CMY           | 0.4118, 0.6980, 0.1333     |
| CMYK          | 0.32, 0.65, 0.00, 0.13     |
| HSL           | 270°, 68%, 58%             |
| HSV           | 270°, 65%, 87%             |
| XYZ           | 28.2827, 17.0122, 70.1996  |
| YIQ           | 115.2430, -2.7160, 60.2600 |

# Conversions

## Conversions Part 2

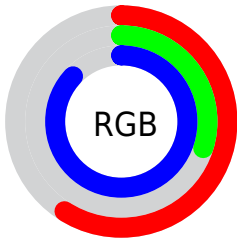
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 150, 77, 221                  |
| Decimal                             | 9850333                       |
| CIELab                              | 48.28, 56.76, -61.96          |
| CIELCh                              | 48, 84.026, 312.492           |
| Yxy                                 | 17.0122, 0.2449,<br>0.1473    |
| Android<br>(android.graphics.Color) | 4288040413<br>(0xFF964DDD)    |
| YUV                                 | 115.2430, 52.1382,<br>30.4819 |
| Hunter-Lab                          | 41.2459, 50.2188,<br>-72.0382 |

# Details

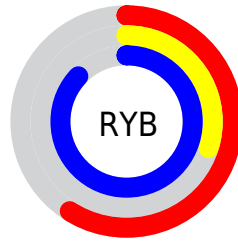
The Hex color **964DDD** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **94DD4D**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **D082FF**, and **5D15A5** is the 20% darker color. If you saturate the color by 10%, you get **8B37DD**, and if you desaturate by 10%, it is **A163DD**.

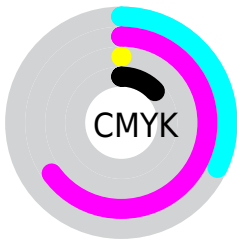
# Distribution



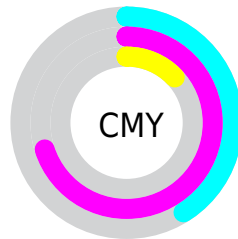
- Red (59%)
- Green (30%)
- Blue (87%)



- Red (59%)
- Yellow (30%)
- Blue (87%)



- Cyan (32%)
- Magenta (65%)
- Yellow (0%)
- Black (13%)



- Cyan (41%)
- Magenta (70%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 964DDD 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 Hex color 964DDD by changing the saturation by 10% instead.



 964DDD

 964DDD

FFFFFF

 7932C1

 D082FF

 5D15A5

 EE9DFF

 40008A

 FFB9FF

 1F0070

 FFD6FF

 000056

 FFF3FF

 00013E

 000327

 000110

 000000

 964DDD

 964DDD

 8B37DD

 A163DD

 8021DD

 AC79DD

 750BDD

 B78FDD

 7000DD

 C2A5DD

 CCBCDD

 D7D2DD

 E2E8DD

 EDFEDD

 F8FFDD

# Harmonies

## Analogous

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



0073FF



964DDD



D9009F

# Triad

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



964DDD



AD5F00



008F90

# Complementary

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



964DDD



94DD4D

# 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.



008D44



964DDD



717900

# Square

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



964DDD



D8330E



008700



008ED2

# Rectangle

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



964DDD



E90070



008700



008F77



# Sweetspot

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



964DDD



E6CCFF



4D95DD



706180



000000



808080



# Same Dimension

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



964DDD



9D38FF



DD4DDD



68636E



5800AD



17002E



# Inverse Universe

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



DD4D94



FF389A



4DDD4D



6E6368



AD0055

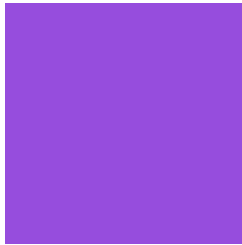


2E0017



# Previews

## White Background



This preview shows how the Hex color 964DDD looks on a white 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

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

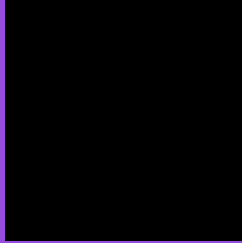
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 964DDD Background



This preview shows how black text looks on a background with the Hex color 964DDD.

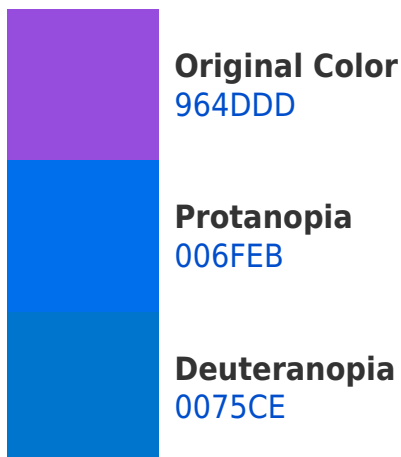



This preview shows how white text looks on a background with the Hex color 964DDD.

# 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](#).

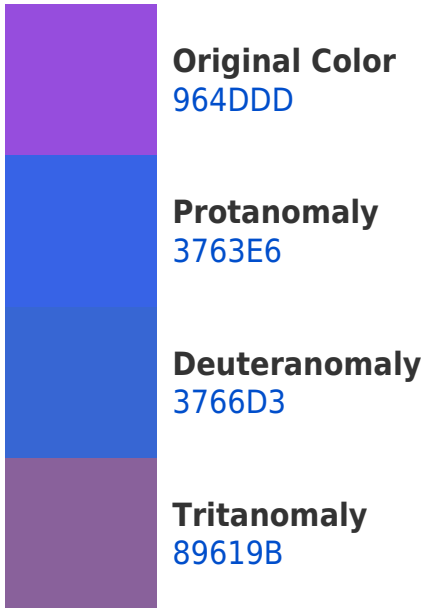
## Dichromacy



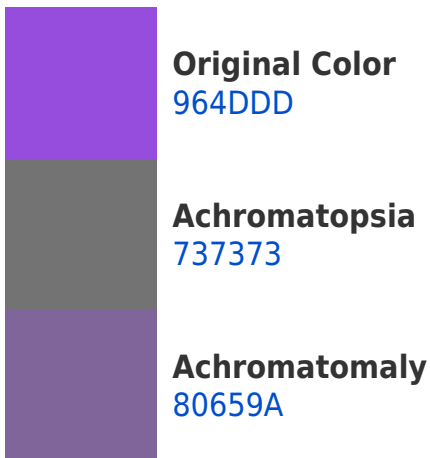


**Tritanopia**  
826D75

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 964DDD 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 #964DDD looks like.

```
.text, #text, p{  
    color:#964DDD  
}
```

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 #964DDD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #964DDD
}
```

## Border

The CSS property to change the border of an element to Hex 964DDD 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".

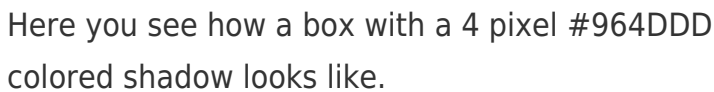
```
.border, #border, table{ border:4px solid
#964DDD }
```

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

```
.border{ border-color:#964DDD }
```

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

Here you see how a box with a 4 pixel #964DDD colored shadow looks like.

A rectangular box with a purple border and a purple shadow. The box is white with a thin purple border on the top and left sides, and a thicker purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #964DDD; -webkit-box-shadow:4px 4px  
4px 4px #964DDD; box-shadow:4px 4px 4px  
4px #964DDD }
```

# Background

The CSS property to change the background color of an element to Hex 964DDD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#964DDD }
```

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

```
.background{ background-color:#964DDD }
```

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