

# Converting Colors

Hex(9E0080)

Have a look what the booklet for  
Hex(9E0080) contains.

<b>Hex(9E0080)</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(9E0080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E0080
RGB	158, 0, 128
RGB Percent	62%, 0%, 50%
CMY	0.3804, 1.0000, 0.4980
CMYK	0.00, 1.00, 0.19, 0.38
HSL	311°, 100%, 31%
HSV	311°, 100%, 62%
XYZ	17.9968, 8.8276, 21.1774
YIQ	61.8340, 53.0800, 73.3040

# Conversions

## Conversions Part 2

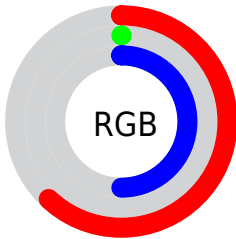
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	158, 0, 128
Decimal	10354816
CIE <sub>Lab</sub>	35.65, 64.48, -26.83
CIE <sub>LCh</sub>	36, 69.842, 337.412
Yxy	8.8276, 0.3749, 0.1839
Android (android.graphics.Color)	4288544896 (0xFF9E0080)
YUV	61.8340, 32.6198, 84.3376
Hunter-Lab	29.7113, 56.1269, -21.4624

# Details

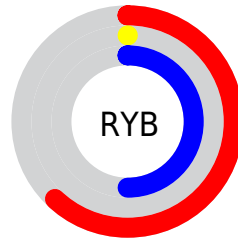
The Hex color **9E0080** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **009E1E**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **D84FB5**, and **66004E** is the 20% darker color. If you saturate the color by 10%, you get **9E0080**, and if you desaturate by 10%, it is **9E1083**.

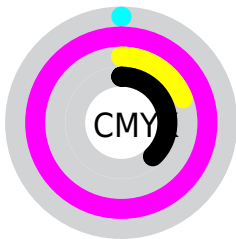
# Distribution



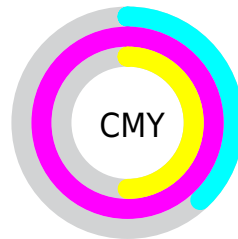
- Red (62%)
- Green (0%)
- Blue (50%)



- Red (62%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9E0080 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 9E0080 by changing the saturation by 10% instead.



 9E0080

 9E0080

FFFFFF

 820067

 D84FB5

 66004E

 F66CD1

 4A0037

 FF88ED

 310021

 FFA4FF

 040005

 FFC1FF

 000000

 FFDEFF

 FFFCFF

 9E0080

 9E1083

 9E2086

 9E2F89

 9E3F8C

 9E4F8F

 9E5F92

 9E6F95

 9E7E98

 9E8E9B

# Harmonies

## Analogous

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



613CAE



9E0080



B10049

# Triad

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



9E0080



5B5600



006A97

# Complementary

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



9E0080



009E1E

# 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.



006A61



9E0080



136200

# Square

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



9E0080



884000



006825



0065BC

# Rectangle

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



9E0080



AD0025



006825



006A86



# Sweetspot

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



9E0080



CF91C3



1D009E



694361



E8E8E8



696969



# Same Dimension

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



9E0080



CF00A7



9E0032



4F474E



8F0074



0F000C



# Inverse Universe

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



9E0080



CF00A7



009E6C



4F474E



8F0074



0F000C



# Previews

## White Background



This preview shows how the Hex color 9E0080 looks on a white background.

## Color Contrast Check

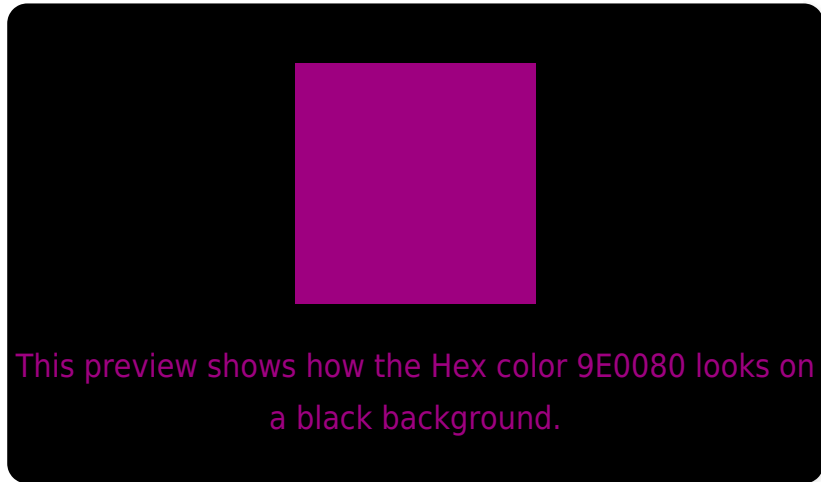
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

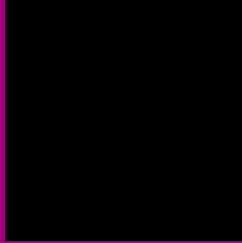
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 9E0080 Background



This preview shows how black text looks on a background with the Hex color 9E0080.



This preview shows how white text looks on a background with the Hex color 9E0080.

# 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





# Trichromacy



**Original Color**  
9E0080



**Protanomaly**  
3935A0



**Deuteranomaly**  
6A377B

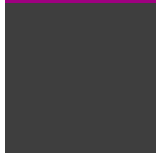


**Tritanomaly**  
9A2050

# Monochromacy



**Original Color**  
9E0080



**Achromatopsia**  
3E3E3E



**Achromatomaly**  
612756

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9E0080 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 #9E0080 looks like.

```
.text, #text, p{  
    color:#9E0080  
}
```

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 #9E0080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9E0080
}
```

## Border

The CSS property to change the border of an element to Hex 9E0080 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
#9E0080 }
```

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

```
.border{ border-color:#9E0080 }
```

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

Here you see how a box with a 4 pixel #9E0080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9E0080; -webkit-box-shadow:4px 4px  
4px 4px #9E0080; box-shadow:4px 4px 4px  
4px #9E0080 }
```

# Background

The CSS property to change the background color of an element to Hex 9E0080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9E0080 }
```

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

```
.background{ background-color:#9E0080 }
```

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