

# Converting Colors

Hex(E500F0)

Have a look what the booklet for  
Hex(E500F0) contains.

<b>Hex(E500F0)</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

Hex(E500F0)

# Conversions

## Conversions Part 1

Format	Color
Hex	E500F0
RGB	229, 0, 240
RGB Percent	90%, 0%, 94%
CMY	0.1020, 1.0000, 0.0588
CMYK	0.05, 1.00, 0.00, 0.06
HSL	297°, 100%, 47%
HSV	297°, 100%, 94%
XYZ	48.0413, 22.9493, 84.3357
YIQ	95.8310, 59.4440, 123.1880

# Conversions

## Conversions Part 2

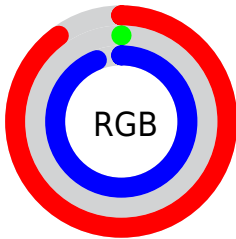
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 0, 240
Decimal	15007984
CIE Lab	55.02, 92.17, -61.23
CIE LCh	55, 110.648, 326.404
Yxy	22.9493, 0.3093, 0.1477
Android (android.graphics.Color)	4293198064 (0xFFE500F0)
YUV	95.8310, 71.0753, 116.7892
Hunter-Lab	47.9054, 95.1718, -70.8440

# Details

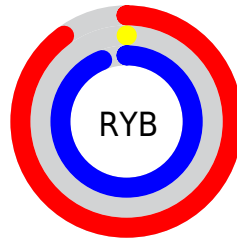
The Hex color **E500F0** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **0BF000**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **FF64FF**, and **A800B7** is the 20% darker color. If you saturate the color by 10%, you get **E500F0**, and if you desaturate by 10%, it is **E618F0**.

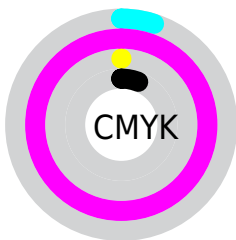
# Distribution



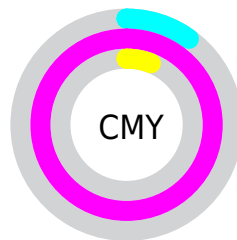
- Red (90%)
- Green (0%)
- Blue (94%)



- Red (90%)
- Yellow (0%)
- Blue (94%)



- Cyan (5%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)



- Cyan (10%)
- Magenta (100%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E500F0 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 E500F0 by changing the saturation by 10% instead.



 E500F0

 E500F0

FFFFFF

 C600D3

 FF64FF

 A800B7

 FF84FF

 8A009B

 FFA3FF

 6D0081


 FFC2FF

 4F0067

 FFE0FF

 32004E

 0F0036

 00021F

 000002

 E500F0

 E618F0

 E730F0

 E848F0

 E960F0

 EA78F0

 EC90F0

 EDA8F0

 EEC0F0

 EFD8F0

# Harmonies

## Analogous

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



2070FF



E500F0



FF0094

# Triad

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



E500F0



AA7D00



00A8D8

# Complementary

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



E500F0



0BF000

# 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.



00A775



E500F0



489600

# Square

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



E500F0



F04800



00A200



00A5FF

# Rectangle

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



E500F0



FF0056



00A200



00A8B8



# Sweetspot

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



E500F0



FBB3FF



000CF0



7D5280



000000



808080



# Same Dimension

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



E500F0



F300FF



F00084



776C78



AF00B8



360038



# Inverse Universe

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



F0000B



FF000C



00F06C



786C6C



B80008



380003



# Previews

## White Background



This preview shows how the Hex color E500F0 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



## 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](#).



## Hex E500F0 Background



This preview shows how black text looks on a background with the Hex color E500F0.

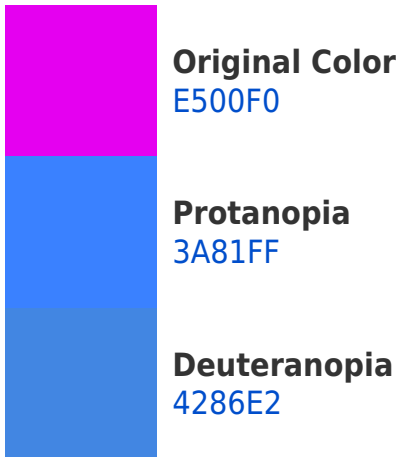



This preview shows how white text looks on a background with the Hex color E500F0.

# 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**  
D55E65

# Trichromacy



**Original Color**  
E500F0



**Protanomaly**  
7852FA



**Deuteranomaly**  
7D55E7



**Tritanomaly**  
DB3C98

# Monochromacy



**Original Color**  
E500F0



**Achromatopsia**  
606060



**Achromatomaly**  
903D94

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E500F0 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 #E500F0 looks like.

```
.text, #text, p{  
    color:#E500F0  
}
```

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 #E500F0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E500F0
}
```

## Border

The CSS property to change the border of an element to Hex E500F0 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
#E500F0 }
```

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

```
.border{ border-color:#E500F0 }
```

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

Here you see how a box with a 4 pixel #E500F0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E500F0; -webkit-box-shadow:4px 4px  
4px 4px #E500F0; box-shadow:4px 4px 4px  
4px #E500F0 }
```

# Background

The CSS property to change the background color of an element to Hex E500F0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E500F0 }
```

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

```
.background{ background-color:#E500F0 }
```

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