

# Converting Colors

Hex(E42DEB)

Have a look what the booklet for  
Hex(E42DEB) contains.

<b>Hex(E42DEB)</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(E42DEB)

# Conversions

## Conversions Part 1

Format	Color
Hex	E42DEB
RGB	228, 45, 235
RGB Percent	89%, 18%, 92%
CMY	0.1059, 0.8235, 0.0784
CMYK	0.03, 0.81, 0.00, 0.08
HSL	298°, 83%, 55%
HSV	298°, 81%, 92%
XYZ	47.9287, 24.3689, 80.7748
YIQ	121.3770, 48.0780, 97.8860

# Conversions

## Conversions Part 2

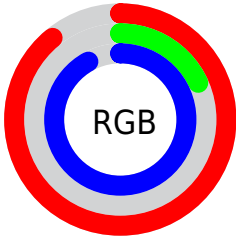
Format	Color
R <sub>Y</sub> B	228, 45, 235
Decimal	14953963
CIE Lab	56.46, 85.67, -56.13
CIE LCh	56, 102.418, 326.768
Yxy	24.3689, 0.3131, 0.1592
Android (android.graphics.Color)	4293144043 (0xFFE42DEB)
YUV	121.3770, 56.0161, 93.5084
Hunter-Lab	49.3649, 86.9183, -62.4597

# Details

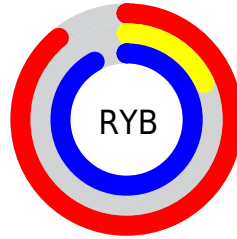
The Hex color **E42DEB** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **34EB2D**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **FF73FF**, and **A800B2** is the 20% darker color. If you saturate the color by 10%, you get **E316EB**, and if you desaturate by 10%, it is **E545EB**.

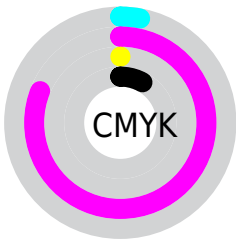
# Distribution



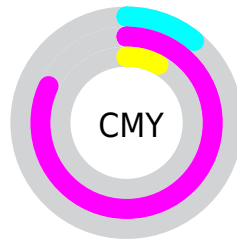
- Red (89%)
- Green (18%)
- Blue (92%)



- Red (89%)
- Yellow (18%)
- Blue (92%)



- Cyan (3%)
- Magenta (81%)
- Yellow (0%)
- Black (8%)



- Cyan (11%)
- Magenta (82%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color E42DEB 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 E42DEB by changing the saturation by 10% instead.



 E42DEB

 E42DEB

FFFFFF

 C600CE

 FF73FF

 A800B2

 FF91FF

 8A0097

 FFAFFF

 6D007C

 FFCDFD

 500063

 FFE0FF

 35004A

 130032

 00011C

 000000

 E42DEB

 E42DEB

 E316EB

 E545EB

 E200EB

 E65CEB

 E774EB

 E78BEB

 E8A3EB

 E9BAEB

 EAD2EB

 EBE9EB

 ECF FEB

# Harmonies

## Analogous

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



4C74FF



E42DEB



FF0095

# Triad

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



E42DEB



AD8100



00ABD6

# Complementary

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



E42DEB



34EB2D

# 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.



00A97B



E42DEB



549900

# Square

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



E42DEB



EE5400



00A407



00A7FF

# Rectangle

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



E42DEB



FF005B



00A407



00ABB9



# Sweetspot

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



E42DEB



FDC2FF



2D37EB



7E5B80



000000



808080



# Same Dimension

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



E42DEB



F608FF



EB2D95



756A75



AE00B5



340036



# Inverse Universe

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



EB2D34



FF0811



2DEB83



756A6A



B50007



360002



# Previews

## White Background



This preview shows how the Hex color E42DEB 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

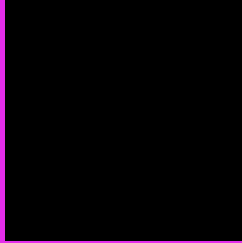
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex E42DEB Background



This preview shows how black text looks on a background with the Hex color E42DEB.

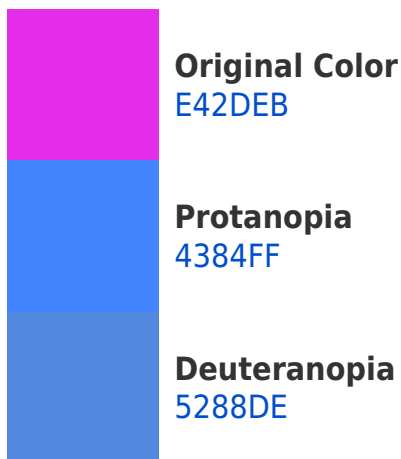



This preview shows how white text looks on a background with the Hex color E42DEB.

# 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**  
D5636A

# Trichromacy



**Original Color**  
E42DEB



**Protanomaly**  
7E64F8



**Deuteranomaly**  
8767E3



**Tritanomaly**  
DA4F99

# Monochromacy



**Original Color**  
E42DEB



**Achromatopsia**  
797979



**Achromatomaly**  
A05DA2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex E42DEB 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 #E42DEB looks like.

```
.text, #text, p{  
    color:#E42DEB  
}
```

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 #E42DEB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #E42DEB
}
```

## Border

The CSS property to change the border of an element to Hex E42DEB 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
#E42DEB }
```

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

```
.border{ border-color:#E42DEB }
```

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

Here you see how a box with a 4 pixel #E42DEB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #E42DEB; -webkit-box-shadow:4px 4px  
4px 4px #E42DEB; box-shadow:4px 4px 4px  
4px #E42DEB }
```

# Background

The CSS property to change the background color of an element to Hex E42DEB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#E42DEB }
```

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

```
.background{ background-color:#E42DEB }
```

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