

# Converting Colors

Hex(EC46C8)

Have a look what the booklet for  
Hex(EC46C8) contains.

<b>Hex(EC46C8)</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(EC46C8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC46C8
RGB	236, 70, 200
RGB Percent	93%, 27%, 78%
CMY	0.0745, 0.7255, 0.2157
CMYK	0.00, 0.70, 0.15, 0.07
HSL	313°, 81%, 60%
HSV	313°, 70%, 93%
XYZ	47.2076, 26.3833, 57.2480
YIQ	134.4540, 57.2060, 75.6220

# Conversions

## Conversions Part 2

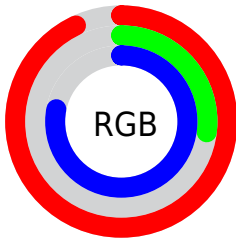
Format	Color
R <sub>Y</sub> B	236, 70, 200
Decimal	15484616
CIE Lab	58.40, 75.28, -33.15
CIE LCh	58, 82.258, 336.236
Yxy	26.3833, 0.3608, 0.2016
Android (android.graphics.Color)	4293674696 (0xFFEC46C8)
YUV	134.4540, 32.3142, 89.0558
Hunter-Lab	51.3647, 74.1651, -30.1257

# Details

The Hex color **EC46C8** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **46EC6A**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **FF83FF**, and **B00092** is the 20% darker color. If you saturate the color by 10%, you get **EC2EC3**, and if you desaturate by 10%, it is **EC5ECD**.

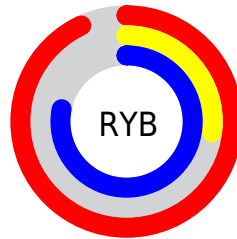
# Distribution



Red (93%)

Green (27%)

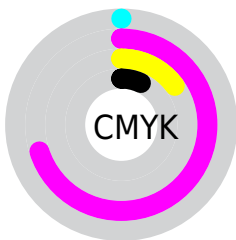
Blue (78%)



Red (93%)

Yellow (27%)

Blue (78%)

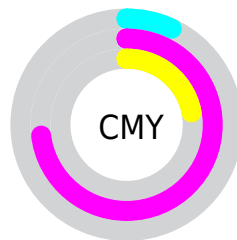


Cyan (0%)

Magenta (70%)

Yellow (15%)

Black (7%)



Cyan (7%)

Magenta (73%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EC46C8 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 EC46C8 by changing the saturation by 10% instead.



 EC46C8

 EC46C8

FFFFFF

 CE20AC

 FF83FF

 B00092

 FFA1FF

 930078

 FFBEFF

 76005E

 FFDCFF

 5A0046

 FFFAFF

 400030

 21001A

 000000

 EC46C8

 EC46C8

 EC2EC3

 EC5ECD

 EC17BE

 EC75D2

 EC00B9

 EC8DD7

 ECA4DC

 ECBCE2

 ECD4E7

 ECEBEC

 ECFFF1

 ECFFF6

# Harmonies

## Analogous

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



9D71FF



EC46C8



FF2B81

# Triad

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



EC46C8



9C8E00



00ABE1

# Complementary

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



EC46C8



46EC6A

# 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.



00AB9A



EC46C8



4D9F00

# Square

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



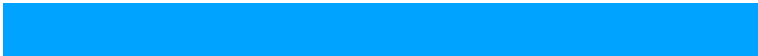
EC46C8



D67200



00A84E



00A3FF

# Rectangle

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



EC46C8



FF3D52



00A84E



00ABCB



# Sweetspot

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



EC46C8



FFC9F3



6A46EC



806079



000000



808080



# Same Dimension

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



EC46C8



FF29D1



EC4675



756A73



B5008E



36002A



# Inverse Universe

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



EC46C8



FF29D1



46ECBD



756A73



B5008E



36002A



# Previews

## White Background



This preview shows how the Hex color EC46C8 looks on a white background.

## Color Contrast Check

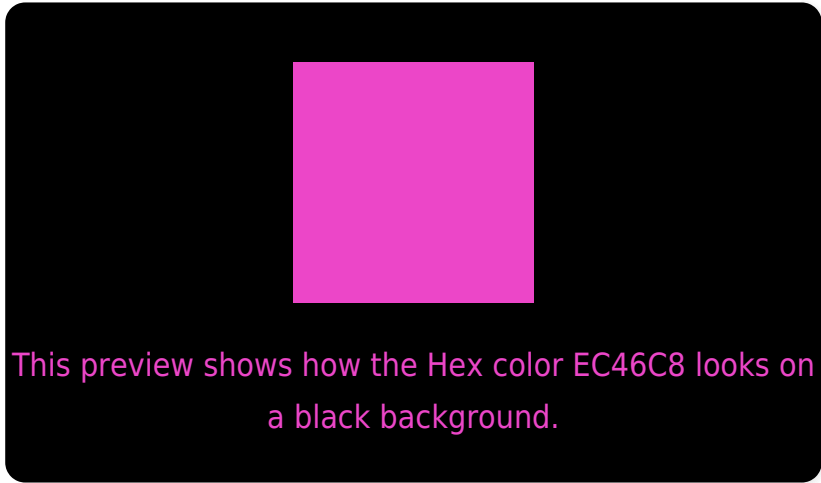
Large Text (above 18pt) WCAG AA ✓ Pass

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 EC46C8 Background



This preview shows how black text looks on a background with the Hex color EC46C8.




This preview shows how white text looks on a background with the Hex color EC46C8.

# 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**  
E3636A

# Trichromacy



**Original Color**  
EC46C8



**Protanomaly**  
8B71EB



**Deuteranomaly**  
A772C2



**Tritanomaly**  
E6588C

# Monochromacy



**Original Color**  
EC46C8



**Achromatopsia**  
868686



**Achromatomaly**  
AB6F9E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex EC46C8 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 #EC46C8 looks like.

```
.text, #text, p{  
    color:#EC46C8  
}
```

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 #EC46C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EC46C8
}
```

## Border

The CSS property to change the border of an element to Hex EC46C8 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
#EC46C8 }
```

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

```
.border{ border-color:#EC46C8 }
```

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

Here you see how a box with a 4 pixel #EC46C8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EC46C8; -webkit-box-shadow:4px 4px  
4px 4px #EC46C8; box-shadow:4px 4px 4px  
4px #EC46C8 }
```

# Background

The CSS property to change the background color of an element to Hex EC46C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EC46C8 }
```

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

```
.background{ background-color:#EC46C8 }
```

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