

# Converting Colors

Hex(EB2188)

Have a look what the booklet for  
Hex(EB2188) contains.

<b>Hex(EB2188)</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(EB2188)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EB2188
RGB	235, 33, 136
RGB Percent	92%, 13%, 53%
CMY	0.0784, 0.8706, 0.4667
CMYK	0.00, 0.86, 0.42, 0.08
HSL	329°, 83%, 53%
HSV	329°, 86%, 92%
XYZ	39.2487, 20.5275, 25.1861
YIQ	105.1400, 87.3290, 74.8570

# Conversions

## Conversions Part 2

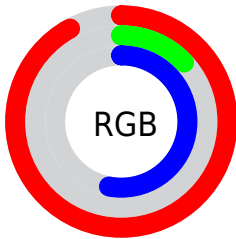
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 33, 136
Decimal	15409544
CIE <sub>Lab</sub>	52.43, 77.38, -4.79
CIE <sub>LCh</sub>	52, 77.532, 356.457
Yxy	20.5275, 0.4620, 0.2416
Android (android.graphics.Color)	4293599624 (0xFFEB2188)
YUV	105.1400, 15.2140, 113.8872
Hunter-Lab	45.3072, 75.3433, -1.2440

# Details

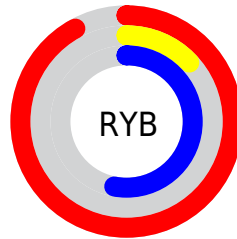
The Hex color **EB2188** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **21EB84**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **FF69BD**, and **AD0056** is the 20% darker color. If you saturate the color by 10%, you get **EB0A7C**, and if you desaturate by 10%, it is **EB3894**.

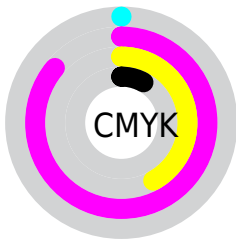
# Distribution



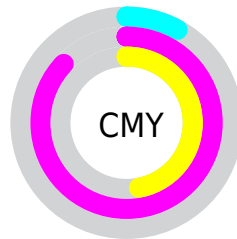
- Red (92%)
- Green (13%)
- Blue (53%)



- Red (92%)
- Yellow (13%)
- Blue (53%)



- Cyan (0%)
- Magenta (86%)
- Yellow (42%)
- Black (8%)



- Cyan (8%)
- Magenta (87%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color EB2188 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 EB2188 by changing the saturation by 10% instead.



 EB2188

 EB2188

FFFFFF

 CC006F

 FF69BD

 AD0056

 FF88D9

 8F003F

 FFA6F5

 71002A

 FFC4FF

 540015

 FFE2FF

 350002

 040000

 000000

 EB2188

 EB2188

 EB0A7C

 EB3894

 EB0078

 EB509F

 EB68AB

 EB7FB6

 EB96C2

 EBAECD

 EBC6D9

 EBDDE4

 EBF4F0

# Harmonies

## Analogous

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



C349C8



EB2188



EC3247

# Triad

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



EB2188



5E8A00



0095EC

# Complementary

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



EB2188



21EB84

# 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.



0099B7



EB2188



00942B

# Square

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



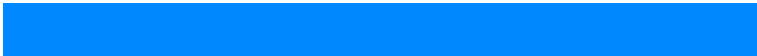
EB2188



9E7800



009973



0088FF

# Rectangle

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



EB2188



DB4D19



009973



0097DD



# Sweetspot

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



EB2188



FFBDDF



8321EB



80586C



000000



808080



# Same Dimension

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



EB2188



FF0082



EB2124



756A70



B5005C



36001B



# Inverse Universe

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



EB2188



FF0082



21EBE8



756A70



B5005C



36001B



# Previews

## White Background



This preview shows how the Hex color EB2188 looks on a white background.

## Color Contrast Check

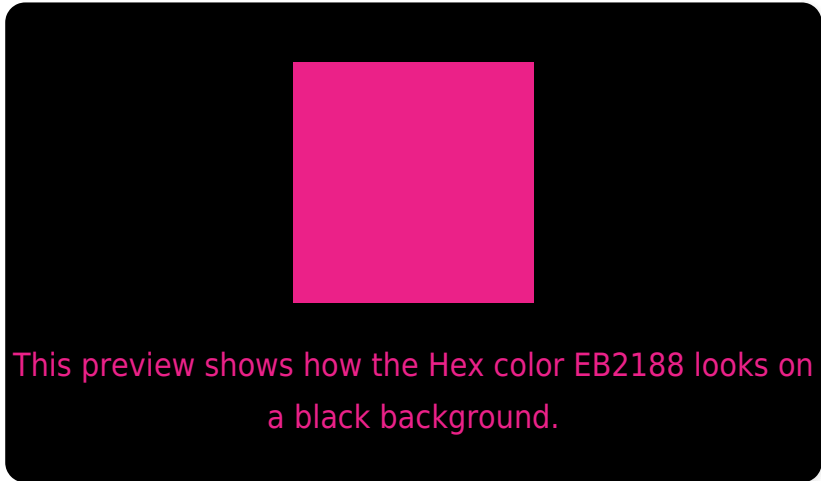
Large Text (above 18pt) WCAG AA ✓ Pass

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 EB2188 Background



This preview shows how black text looks on a background with the Hex color EB2188.



This preview shows how white text looks on a background with the Hex color EB2188.

# 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**  
E73C3F

# Trichromacy



**Original Color**  
EB2188



**Protanomaly**  
975BAA



**Deuteranomaly**  
AD5A82

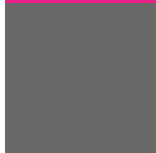


**Tritanomaly**  
E8325A

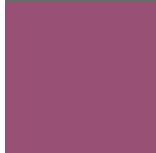
# Monochromacy



**Original Color**  
EB2188



**Achromatopsia**  
696969



**Achromatomaly**  
984F74

# CSS Examples

## Text

The CSS property to change the color of the text to Hex EB2188 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 #EB2188 looks like.

```
.text, #text, p{  
    color:#EB2188  
}
```

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 #EB2188 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #EB2188
}
```

## Border

The CSS property to change the border of an element to Hex EB2188 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
#EB2188 }
```

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

```
.border{ border-color:#EB2188 }
```

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

Here you see how a box with a 4 pixel #EB2188 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #EB2188; -webkit-box-shadow:4px 4px  
4px 4px #EB2188; box-shadow:4px 4px 4px  
4px #EB2188 }
```

# Background

The CSS property to change the background color of an element to Hex EB2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#EB2188 }
```

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

```
.background{ background-color:#EB2188 }
```

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**