

Converting Colors

RGB(236, 70, 146)

Have a look what the booklet for
RGB(236, 70, 146) contains.

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Color

RGB(236, 70, 146)

Conversions

Conversions Part 1

Format	Color
Hex	EC4692
RGB	236, 70, 146
RGB Percent	93%, 27%, 57%
CMY	0.0745, 0.7255, 0.4275
CMYK	0.00, 0.70, 0.38, 0.07
HSL	333°, 81%, 60%
HSV	333°, 70%, 93%
XYZ	41.9705, 24.2885, 29.6702
YIQ	128.2980, 74.5400, 58.8280

Conversions

Conversions Part 2

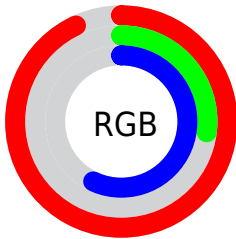
Format	Color
R _Y B	236, 70, 146
Decimal	15484562
CIE Lab	56.38, 68.79, -4.88
CIE LCh	56, 68.958, 355.944
Yxy	24.2885, 0.4375, 0.2532
Android (android.graphics.Color)	4293674642 (0xFFEC4692)
YUV	128.2980, 8.7271, 94.4547
Hunter-Lab	49.2834, 65.7677, -1.1961

Details

The RGB color **236, 70, 146** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **70, 236, 160**, and the grayscale version is **128, 128, 128**.

A 20% lighter version of the original color is **255, 130, 200**, and **175, 0, 96** is the 20% darker color. If you saturate the color by 10%, you get **236, 46, 133**, and if you desaturate by 10%, it is **236, 94, 159**.

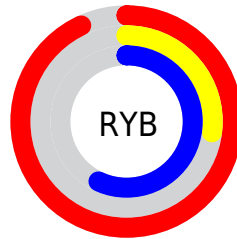
Distribution



Red (93%)

Green (27%)

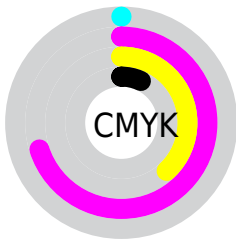
Blue (57%)



Red (93%)

Yellow (27%)

Blue (57%)

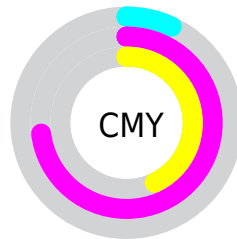


Cyan (0%)

Magenta (70%)

Yellow (38%)

Black (7%)



Cyan (7%)

















Magenta (73%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the RGB color 236, 70, 146 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 RGB color 236, 70, 146 by changing the saturation by 10% instead.

 236, 70, 146	 236, 70, 146
 255, 255, 255	 205, 34, 120
 255, 130, 200	 175, 0, 96
 255, 159, 228	 145, 0, 72
 255, 188, 255	 116, 0, 50
 255, 217, 255	 87, 0, 29
 255, 247, 255	 60, 0, 3
	 22, 0, 0
	 0, 0, 0

 236, 70, 146	 236, 70, 146
--	--

■ 236, 46, 133

■ 236, 94, 159

■ 236, 23, 120

■ 236, 117, 172

■ 236, 0, 108

■ 236, 141, 184

■ 236, 164, 197

■ 236, 188, 210

■ 236, 212, 223

■ 236, 235, 236

■ 236, 255, 248

■ 236, 255, 255

Harmonies

Analogous

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



199, 93, 203



236, 70, 146



238, 77, 87

Triad

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



236, 70, 146



112, 147, 0



0, 157, 234

Complementary

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



236, 70, 146



70, 236, 160

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.



0, 162, 186



236, 70, 146



0, 157, 63

Square

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



236, 70, 146



169, 130, 0



0, 162, 125



0, 145, 255

Rectangle

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



236, 70, 146



224, 95, 50



0, 162, 125



0, 160, 221

Sweetspot

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



236, 70, 146



255, 201, 226



159, 70, 236



128, 96, 110



0, 0, 0



128, 128, 128

Same Dimension

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



236, 70, 146



255, 41, 139



236, 76, 70



117, 106, 111



181, 0, 83



54, 0, 25

Inverse Universe

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



236, 70, 146



255, 41, 139



70, 230, 236



117, 106, 111



181, 0, 83



54, 0, 25

Previews

White Background



This preview shows how the RGB color 236, 70, 146 looks on a white background.

Color Contrast Check

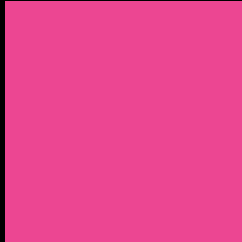
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RGB color 236, 70, 146 looks on a 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](#).

RGB 236, 70, 146 Background



This preview shows how black text looks on a background with the RGB color 236, 70, 146.

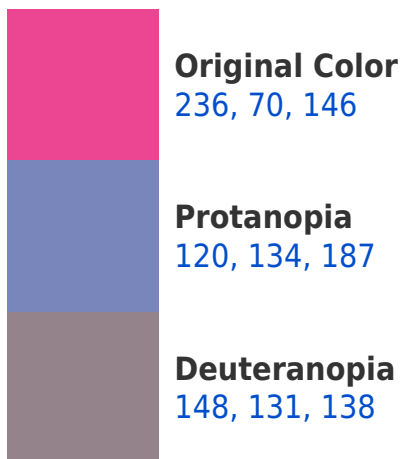


This preview shows how white text looks on a background with the RGB color 236, 70, 146.

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
232, 84, 89

Trichromacy



Original Color

236, 70, 146



Protanomaly

162, 111, 172



Deuteranomaly

180, 109, 141



Tritanomaly

233, 79, 110

Monochromacy



Original Color

236, 70, 146



Achromatopsia

128, 128, 128



Achromatomaly

167, 107, 135

CSS Examples

Text

The CSS property to change the color of the text to RGB 236, 70, 146 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 `rgb(236, 70, 146)` looks like.

```
.text, #text, p{  
    color:rgb(236, 70, 146)  
}
```

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 rgb(236, 70, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 70, 146) }
```

Border

The CSS property to change the border of an element to RGB 236, 70, 146 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 rgb(236, 70, 146) }
```

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

```
.border{ border-color:rgb(236, 70, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 70, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 70, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 70, 146);  
box-shadow:4px 4px 4px 4px rgb(236, 70,  
146) }
```

Background

The CSS property to change the background color of an element to RGB 236, 70, 146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 70, 146) }
```

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

```
.background{ background-color: rgb(236, 70,  
146) }
```

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](#).

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