

Converting Colors

`RYB(242, 73, 216)`

Have a look what the booklet for
RYB(242, 73, 216) contains.

RYB(242, 73, 216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(242, 73, 216)

Conversions

Conversions Part 1

Format	Color
Hex	F249D8
RGB	242, 73, 216
RGB Percent	95%, 29%, 85%
CMY	0.0510, 0.7137, 0.1529
CMYK	0.00, 0.70, 0.11, 0.05
HSL	309°, 87%, 62%
HSV	309°, 70%, 95%
XYZ	51.3952, 28.6002, 67.7773
YIQ	139.8330, 54.8210, 80.3010

Conversions

Conversions Part 2

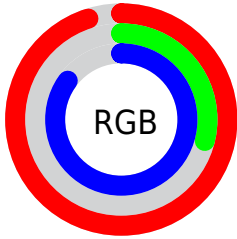
Format	Color
R _{YB}	242, 73, 216
Decimal	15878616
CIE _{Lab}	60.43, 77.92, -39.00
CIE _{LCh}	60, 87.133, 333.413
Yxy	28.6002, 0.3478, 0.1935
Android (android.graphics.Color)	4294068696 (0xFFFF249D8)
YUV	139.8330, 37.5503, 89.6005
Hunter-Lab	53.4792, 77.9556, -37.7063

Details

The RYB color **242, 73, 216** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **73, 219, 242**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **255, 135, 255**, and **182, 0, 161** is the 20% darker color. If you saturate the color by 10%, you get **242, 49, 212**, and if you desaturate by 10%, it is **242, 97, 220**.

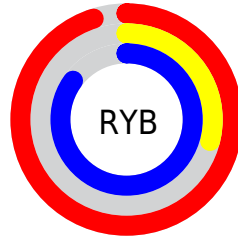
Distribution



Red (95%)

Green (29%)

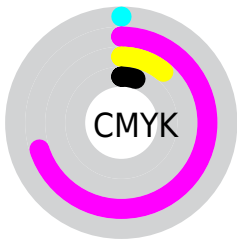
Blue (85%)



Red (95%)

Yellow (29%)

Blue (85%)

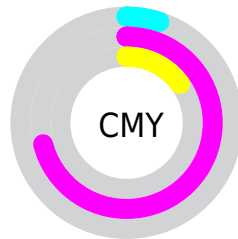


Cyan (0%)

Magenta (70%)

Yellow (11%)

Black (5%)



Cyan (5%)
















Magenta (71%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 73, 216 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 RYB color 242, 73, 216 by changing the saturation by 10% instead.

 242, 73, 216	 242, 73, 216
255, 255, 255	 212, 35, 188
 255, 135, 255	 182, 0, 161
 255, 164, 255	 153, 0, 134
 255, 194, 255	 124, 0, 108
 255, 224, 255	 95, 0, 83
255, 254, 255	 69, 0, 60
	 39, 0, 37
	 0, 1, 13
	 0, 0, 0

■ 242, 73, 216

■ 242, 73, 216

■ 242, 49, 212

■ 242, 97, 220

■ 242, 25, 209

■ 242, 121, 223

■ 242, 0, 205

■ 242, 146, 227

■ 242, 170, 231

■ 242, 194, 235

■ 242, 218, 238

■ 242, 242, 242

■ 242, 252, 255

■ 242, 250, 255

Harmonies

Analogous

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



150, 120, 255



242, 73, 216



255, 34, 140

Triad

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



242, 73, 216



27, 169, 0



0, 100, 229

Complementary

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



242, 73, 216



73, 219, 242

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, 96, 178



242, 73, 216



0, 164, 77

Square

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



242, 73, 216



229, 227, 0



0, 124, 174



0, 102, 255

Rectangle

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



242, 73, 216



255, 53, 90



0, 124, 174



0, 96, 205

Sweetspot

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



242, 73, 216



255, 201, 247



98, 73, 242



128, 96, 123



0, 0, 0



128, 128, 128

Same Dimension

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



242, 73, 216



255, 41, 222



242, 73, 132



120, 108, 118



184, 0, 155



56, 0, 47

Inverse Universe

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



242, 73, 216



255, 41, 222



73, 175, 242



120, 108, 118



184, 0, 155



56, 0, 47

Previews

White Background



This preview shows how the RYB color 242, 73, 216 looks on a white background.

Color Contrast Check

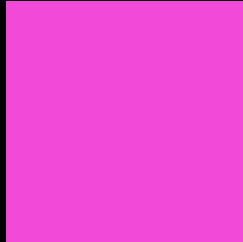
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the RYB color 242, 73, 216 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 242, 73, 216 Background



This preview shows how black text looks on a background with the RGB color 242, 73, 216.

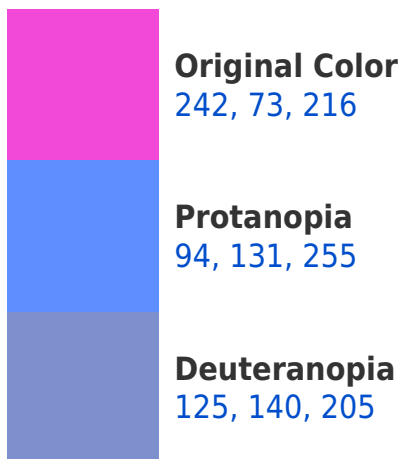



This preview shows how white text looks on a background with the RGB color 242, 73, 216.

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, 105, 113

Trichromacy



Original Color

242, 73, 216



Protanomaly

148, 117, 241



Deuteranomaly

168, 118, 209



Tritanomaly

236, 93, 150

Monochromacy



Original Color

242, 73, 216



Achromatopsia

140, 140, 140



Achromatomaly

177, 116, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 73, 216 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(242, 73, 216) looks like.

```
.text, #text, p{  
    color:rgb(242, 73, 216)  
}
```

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(242, 73, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 73, 216) }
```

Border

The CSS property to change the border of an element to RYB 242, 73, 216 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(242, 73, 216) }
```

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

```
.border{ border-color:rgb(242, 73, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 73, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 73, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 73, 216);  
box-shadow:4px 4px 4px 4px rgb(242, 73,  
216) }
```

Background

The CSS property to change the background color of an element to RGB 242, 73, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 73, 216) }
```

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

```
.background{ background-color: rgb(242, 73,  
216) }
```

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