

Converting Colors

`RYB(239, 18, 224)`

Have a look what the booklet for RYB(239, 18, 224) contains.

RYB(239, 18, 224)	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(239, 18, 224)

Conversions

Conversions Part 1

Format	Color
Hex	EF12E0
RGB	239, 18, 224
RGB Percent	94%, 7%, 88%
CMY	0.0627, 0.9294, 0.1216
CMYK	0.00, 0.92, 0.06, 0.06
HSL	304°, 87%, 50%
HSV	304°, 92%, 94%
XYZ	49.2675, 24.1652, 72.5887
YIQ	107.5630, 65.5900, 110.9180

Conversions

Conversions Part 2

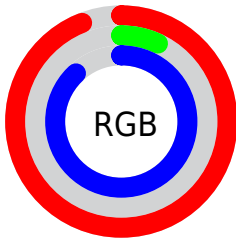
Format	Color
R _{YB}	239, 18, 224
Decimal	15667936
CIE _{Lab}	56.25, 90.21, -50.14
CIE _{LCh}	56, 103.211, 330.933
Yxy	24.1652, 0.3374, 0.1655
Android (android.graphics.Color)	4293858016 (0xFFEF12E0)
YUV	107.5630, 57.4034, 115.2702
Hunter-Lab	49.1581, 92.8706, -53.1392

Details

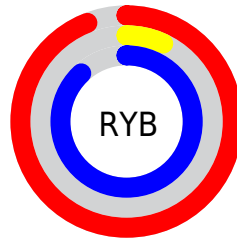
The RYB color **239, 18, 224** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **18, 225, 239**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **255, 104, 255**, and **178, 0, 168** is the 20% darker color. If you saturate the color by 10%, you get **239, 0, 223**, and if you desaturate by 10%, it is **239, 42, 226**.

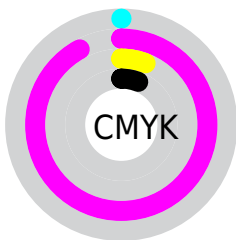
Distribution



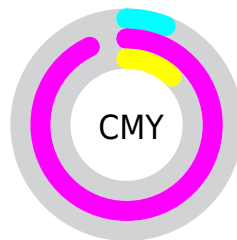
- Red (94%)
- Green (7%)
- Blue (88%)



- Red (94%)
- Yellow (7%)
- Blue (88%)



- Cyan (0%)
- Magenta (92%)
- Yellow (6%)
- Black (6%)




















- Cyan (6%)
- Magenta (93%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 239, 18, 224 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 239, 18, 224 by changing the saturation by 10% instead.

 239, 18, 224	 239, 18, 224
 255, 255, 255	 208, 0, 196
 255, 104, 255	 178, 0, 168
 255, 136, 255	 148, 0, 141
 255, 167, 255	 119, 0, 115
 255, 198, 255	 90, 0, 90
 255, 229, 255	 62, 0, 65
	 31, 0, 42
	 0, 1, 20
	 0, 0, 0

■ 239, 18, 224

■ 239, 18, 224

■ 239, 0, 223

■ 239, 42, 226

■ 239, 66, 227

■ 239, 90, 229

■ 239, 114, 230

■ 239, 137, 232

■ 239, 161, 234

■ 239, 185, 235

■ 239, 209, 237

■ 239, 233, 239

Harmonies

Analogous

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



113, 108, 255



239, 18, 224



255, 0, 136

Triad

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



239, 18, 224



35, 162, 0



0, 97, 226

Complementary

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



239, 18, 224



18, 225, 239

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, 94, 169



239, 18, 224



0, 155, 91

Square

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



239, 18, 224



230, 151, 0



0, 138, 165



0, 100, 255

Rectangle

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



239, 18, 224



255, 0, 78



0, 138, 165



0, 91, 197

Sweetspot

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



239, 18, 224



255, 184, 250



33, 18, 239



128, 84, 125



0, 0, 0



128, 128, 128

Same Dimension

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



239, 18, 224



255, 0, 238



239, 18, 114



120, 108, 119



184, 0, 171



56, 0, 52

Inverse Universe

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



239, 18, 224



255, 0, 238



18, 159, 239



120, 108, 119



184, 0, 171



56, 0, 52

Previews

White Background



This preview shows how the RYB color 239, 18, 224 looks on a white background.

Color Contrast Check

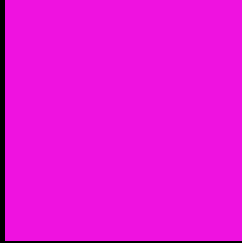
Large Text (above 18pt) WCAG AA ✓ Pass

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 239, 18, 224 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 239, 18, 224 Background



This preview shows how black text looks on a background with the RGB color 239, 18, 224.

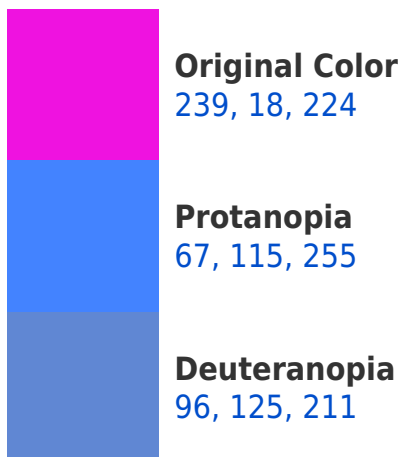



This preview shows how white text looks on a background with the RGB color 239, 18, 224.

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
226, 89, 95

Trichromacy



Original Color

239, 18, 224



Protanomaly

130, 91, 244



Deuteranomaly

148, 92, 216



Tritanomaly

231, 63, 142

Monochromacy



Original Color

239, 18, 224



Achromatopsia

108, 108, 108



Achromatomaly

156, 75, 150

CSS Examples

Text

The CSS property to change the color of the text to RYB 239, 18, 224 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(239, 18, 224) looks like.

```
.text, #text, p{  
    color:rgb(239, 18, 224)  
}
```

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(239, 18, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 18, 224) }
```

Border

The CSS property to change the border of an element to RYB 239, 18, 224 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(239, 18, 224) }
```

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

```
.border{ border-color:rgb(239, 18, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 18, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 18, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 18, 224);  
box-shadow:4px 4px 4px 4px rgb(239, 18,  
224) }
```

Background

The CSS property to change the background color of an element to RGB 239, 18, 224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 18, 224) }
```

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

```
.background{ background-color: rgb(239, 18,  
224) }
```

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