

Converting Colors

`RYB(238, 0, 171)`

Have a look what the booklet for
RYB(238, 0, 171) contains.

RYB(238, 0, 171)	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(238, 0, 171)

Conversions

Conversions Part 1

Format	Color
Hex	EE00AB
RGB	238, 0, 171
RGB Percent	93%, 0%, 67%
CMY	0.0667, 1.0000, 0.3294
CMYK	0.00, 1.00, 0.28, 0.07
HSL	317°, 100%, 47%
HSV	317°, 100%, 93%
XYZ	42.6106, 21.1174, 40.3583
YIQ	90.6560, 86.9570, 103.6370

Conversions

Conversions Part 2

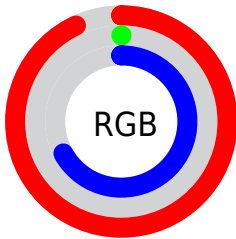
Format	Color
R _Y B	238, 0, 171
Decimal	15597739
CIE Lab	53.08, 84.93, -24.57
CIE LCh	53, 88.407, 343.866
Yxy	21.1174, 0.4094, 0.2029
Android (android.graphics.Color)	4293787819 (0xFFEE00AB)
YUV	90.6560, 39.6096, 129.2207
Hunter-Lab	45.9537, 85.0952, -19.9032

Details

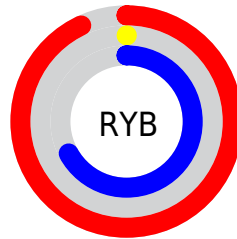
The RYB color **238, 0, 171** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **0, 186, 238**, and the grayscale version is **90, 90, 90**.

A 20% lighter version of the original color is **255, 98, 227**, and **177, 0, 119** is the 20% darker color. If you saturate the color by 10%, you get **238, 0, 171**, and if you desaturate by 10%, it is **238, 24, 178**.

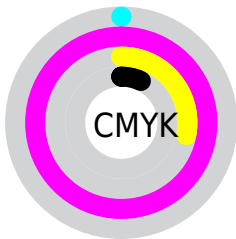
Distribution



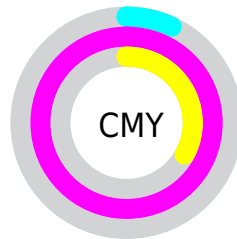
- Red (93%)
- Green (0%)
- Blue (67%)



- Red (93%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (7%)




















- Cyan (7%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 238, 0, 171 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 238, 0, 171 by changing the saturation by 10% instead.

 238, 0, 171	 238, 0, 171
 255, 255, 255	 207, 0, 144
 255, 98, 227	 177, 0, 119
 255, 130, 255	 146, 0, 94
 255, 160, 255	 117, 0, 70
 255, 191, 255	 88, 0, 47
 255, 221, 255	 58, 0, 26
 255, 252, 255	 25, 0, 1
	 0, 0, 0

 238, 0, 171

■ 238, 24, 178

■ 238, 48, 184

■ 238, 71, 191

■ 238, 95, 198

■ 238, 119, 204

■ 238, 143, 211

■ 238, 167, 218

■ 238, 190, 225

■ 238, 214, 231

Harmonies

Analogous

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



170, 84, 238



238, 0, 171



255, 0, 96

Triad

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



238, 0, 171



0, 135, 13



0, 94, 232

Complementary

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



238, 0, 171



0, 186, 238

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, 80, 161



238, 0, 171



0, 149, 149

Square

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



238, 0, 171



137, 187, 0



0, 102, 155



0, 93, 255

Rectangle

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



238, 0, 171



245, 40, 46



0, 102, 155



0, 90, 211

Sweetspot

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



238, 0, 171



255, 179, 233



63, 0, 238



128, 82, 115



0, 0, 0



128, 128, 128

Same Dimension

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



238, 0, 171



255, 0, 183



238, 0, 56



120, 108, 116



184, 0, 132



56, 0, 40

Inverse Universe

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



238, 0, 171



255, 0, 183



0, 135, 238



120, 108, 116



184, 0, 132



56, 0, 40

Previews

White Background



This preview shows how the RYB color 238, 0, 171 looks on a white background.

Color Contrast Check

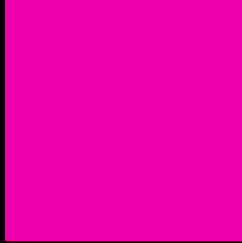
Large Text (above 18pt) WCAG AA ✓ Pass

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 238, 0, 171 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](#).

R_YB 238, 0, 171 Background



This preview shows how black text looks on a background with the R_YB color 238, 0, 171.

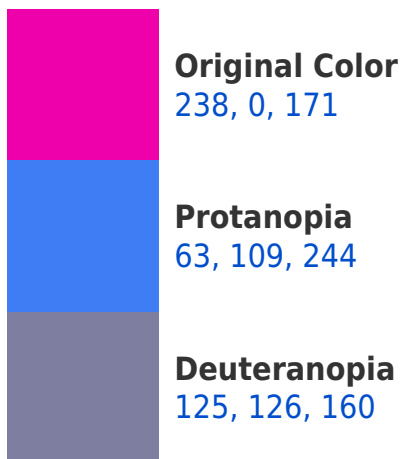


This preview shows how white text looks on a background with the R_YB color 238, 0, 171.

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
231, 67, 71

Trichromacy



Original Color

238, 0, 171



Protanomaly

127, 79, 217



Deuteranomaly

166, 80, 164



Tritanomaly

234, 43, 107

Monochromacy



Original Color

238, 0, 171



Achromatopsia

91, 91, 91



Achromatomaly

144, 58, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 238, 0, 171 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(238, 0, 171)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 171)  
}
```

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(238, 0, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 171) }
```

Border

The CSS property to change the border of an element to RYB 238, 0, 171 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(238, 0, 171) }
```

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

```
.border{ border-color:rgb(238, 0, 171) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 171);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
171) }
```

Background

The CSS property to change the background color of an element to RGB 238, 0, 171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 171) }
```

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

```
.background{ background-color: rgb(238, 0,  
171) }
```

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