

Converting Colors

`RYB(238, 68, 198)`

Have a look what the booklet for
RYB(238, 68, 198) contains.

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Color

`RYB(238, 68, 198)`

Conversions

Conversions Part 1

Format	Color
Hex	EE44C6
RGB	238, 68, 198
RGB Percent	93%, 27%, 78%
CMY	0.0667, 0.7333, 0.2235
CMYK	0.00, 0.71, 0.17, 0.07
HSL	314°, 83%, 60%
HSV	314°, 71%, 93%
XYZ	47.5201, 26.3886, 56.0150
YIQ	133.6500, 59.5900, 76.4700

Conversions

Conversions Part 2

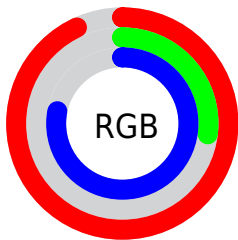
Format	Color
R _{YB}	238, 68, 198
Decimal	15615174
CIE _{Lab}	58.40, 76.13, -31.97
CIE _{LCh}	58, 82.574, 337.220
Yxy	26.3886, 0.3658, 0.2031
Android (android.graphics.Color)	4293805254 (0xFFEE44C6)
YUV	133.6500, 31.7246, 91.5150
Hunter-Lab	51.3698, 75.2256, -28.6925

Details

The RYB color **238, 68, 198** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **68, 206, 238**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **255, 130, 255**, and **178, 0, 144** is the 20% darker color. If you saturate the color by 10%, you get **238, 44, 192**, and if you desaturate by 10%, it is **238, 92, 204**.

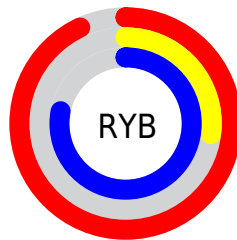
Distribution



Red (93%)

Green (27%)

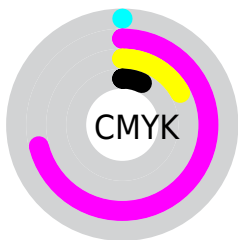
Blue (78%)



Red (93%)

Yellow (27%)

Blue (78%)

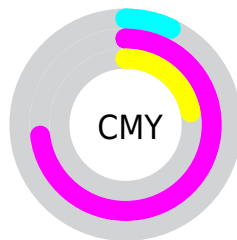


Cyan (0%)

Magenta (71%)

Yellow (17%)

Black (7%)



Cyan (7%)

Magenta (73%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 238, 68, 198 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, 68, 198 by changing the saturation by 10% instead.



238, 68, 198



238, 68, 198

255, 255, 255



208, 28, 171



255, 130, 255



178, 0, 144



255, 159, 255



149, 0, 118



255, 189, 255



120, 0, 93



255, 219, 255



91, 0, 69



255, 249, 255



65, 0, 46



35, 0, 24



0, 0, 0



238, 68, 198



238, 68, 198

■ 238, 44, 192

■ 238, 92, 204

■ 238, 20, 187

■ 238, 116, 209

■ 238, 0, 182

■ 238, 139, 215

■ 238, 163, 220

■ 238, 187, 226

■ 238, 211, 232

■ 238, 235, 237

■ 238, 251, 255

■ 238, 249, 255

Harmonies

Analogous

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



160, 112, 255



238, 68, 198



255, 42, 126

Triad

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



238, 68, 198



12, 154, 0



0, 98, 227

Complementary

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



238, 68, 198



68, 206, 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, 89, 171



238, 68, 198



0, 160, 87

Square

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



238, 68, 198



182, 213, 0



0, 114, 168



0, 99, 255

Rectangle

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



238, 68, 198



255, 62, 79



0, 114, 168



0, 93, 205

Sweetspot

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



238, 68, 198



255, 201, 242



108, 68, 238



128, 96, 120



0, 0, 0



128, 128, 128

Same Dimension

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



238, 68, 198



255, 36, 203



238, 68, 113



120, 108, 117



184, 0, 140



56, 0, 43

Inverse Universe

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



238, 68, 198



255, 36, 203



68, 166, 238



120, 108, 117



184, 0, 140



56, 0, 43

Previews

White Background



This preview shows how the RYB color 238, 68, 198 looks on a white background.

Color Contrast Check

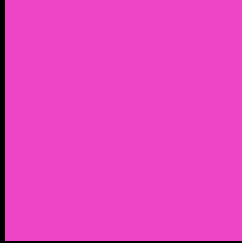
Large Text (above 18pt) WCAG AA ✓ Pass

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, 68, 198 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 238, 68, 198 Background



This preview shows how black text looks on a background with the RGB color 238, 68, 198.



This preview shows how white text looks on a background with the RGB color 238, 68, 198.

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



Original Color
238, 68, 198

Protanopia
83, 124, 255

Deuteranopia
128, 137, 188



Tritanopia
229, 97, 104

Trichromacy



Original Color

238, 68, 198



Protanomaly

139, 112, 234



Deuteranomaly

168, 113, 192



Tritanomaly

232, 86, 138

Monochromacy



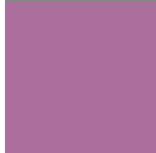
Original Color

238, 68, 198



Achromatopsia

134, 134, 134



Achromatomaly

172, 110, 157

CSS Examples

Text

The CSS property to change the color of the text to RYB 238, 68, 198 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, 68, 198) looks like.

```
.text, #text, p{  
    color:rgb(238, 68, 198)  
}
```

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, 68, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 68, 198) }
```

Border

The CSS property to change the border of an element to RYB 238, 68, 198 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, 68, 198) }
```

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

```
.border{ border-color:rgb(238, 68, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 68, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 68, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 68, 198);  
box-shadow:4px 4px 4px 4px rgb(238, 68,  
198) }
```

Background

The CSS property to change the background color of an element to RGB 238, 68, 198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 68, 198) }
```

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

```
.background{ background-color: rgb(238, 68,  
198) }
```

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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