

Converting Colors

`RYB(235, 70, 223)`

Have a look what the booklet for
RYB(235, 70, 223) contains.

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Color

R_YB(235, 70, 223)

Conversions

Conversions Part 1

Format	Color
Hex	EB46DF
RGB	235, 70, 223
RGB Percent	92%, 27%, 87%
CMY	0.0784, 0.7255, 0.1255
CMYK	0.00, 0.70, 0.05, 0.08
HSL	304°, 80%, 60%
HSV	304°, 70%, 92%
XYZ	49.7704, 27.3702, 72.4718
YIQ	136.7770, 49.2270, 82.5630

Conversions

Conversions Part 2

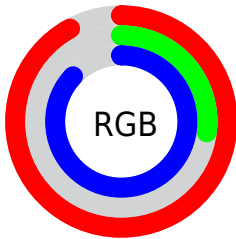
Format	Color
R_{YB}	235, 70, 223
Decimal	15419103
CIE _{Lab}	59.32, 78.37, -44.77
CIE _{LCh}	59, 90.258, 330.264
Yxy	27.3702, 0.3327, 0.1829
Android (android.graphics.Color)	4293609183 (0xFFEB46DF)
YUV	136.7770, 42.5079, 86.1416
Hunter-Lab	52.3165, 78.2588, -45.5103

Details

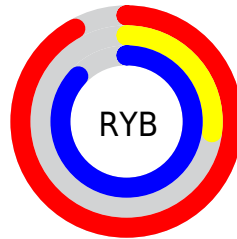
The RYB color **235, 70, 223** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **70, 224, 235**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **255, 132, 255**, and **175, 0, 167** is the 20% darker color. If you saturate the color by 10%, you get **235, 47, 221**, and if you desaturate by 10%, it is **235, 94, 225**.

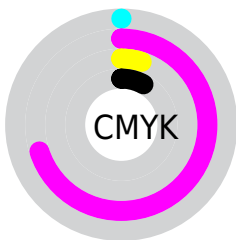
Distribution



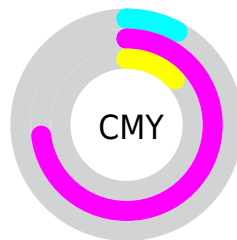
- Red (92%)
- Green (27%)
- Blue (87%)



- Red (92%)
- Yellow (27%)
- Blue (87%)



- Cyan (0%)
- Magenta (70%)
- Yellow (5%)
- Black (8%)



- Cyan (8%)
- Magenta (73%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 70, 223 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 235, 70, 223 by changing the saturation by 10% instead.



235, 70, 223



235, 70, 223

255, 255, 255



205, 31, 195



255, 132, 255



175, 0, 167



255, 161, 255



146, 0, 140



255, 191, 255



117, 0, 114



255, 221, 255



89, 0, 89



255, 251, 255



63, 0, 65




33, 0, 42




0, 1, 19




0, 0, 0

 235, 70, 223

 235, 70, 223

 235, 47, 221

 235, 94, 225

 235, 23, 220

 235, 117, 226

 235, 0, 218

 235, 141, 228

 235, 164, 230

 235, 187, 232

 235, 211, 233

 235, 235, 235

 235, 253, 255

 235, 252, 255

Harmonies

Analogous

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



129, 121, 255



235, 70, 223



255, 0, 146

Triad

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



235, 70, 223



39, 172, 0



0, 98, 221

Complementary

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



235, 70, 223



70, 224, 235

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, 97, 175



235, 70, 223



0, 160, 69

Square

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



235, 70, 223



233, 194, 0



0, 129, 171



0, 102, 255

Rectangle

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



235, 70, 223



255, 31, 94



0, 129, 171



0, 93, 196

Sweetspot

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



235, 70, 223



255, 201, 251



81, 70, 235



128, 96, 125



0, 0, 0



128, 128, 128

Same Dimension

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



235, 70, 223



255, 41, 239



235, 70, 142



117, 106, 116



181, 0, 168



54, 0, 50

Inverse Universe

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



235, 70, 223



255, 41, 239



70, 176, 235



117, 106, 116



181, 0, 168



54, 0, 50

Previews

White Background



This preview shows how the RYB color 235, 70, 223 looks on a white background.

Color Contrast Check

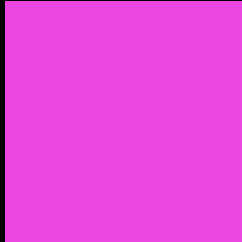
Large Text (above 18pt) WCAG AA ✓ Pass

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 235, 70, 223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

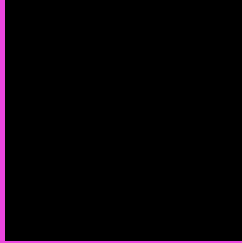
Any Text WCAG AA ✓ Pass

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](#).

RYB 235, 70, 223 Background



This preview shows how black text looks on a background with the RYB color 235, 70, 223.



This preview shows how white text looks on a background with the RYB color 235, 70, 223.

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
235, 70, 223

Protanopia
87, 127, 255

Deuteranopia
113, 135, 212



Tritanopia
223, 106, 113

Trichromacy



Original Color

235, 70, 223



Protanomaly

141, 114, 243



Deuteranomaly

157, 116, 216



Tritanomaly

227, 93, 153

Monochromacy



Original Color

235, 70, 223



Achromatopsia

137, 137, 137



Achromatomaly

173, 113, 168

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 70, 223 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(235, 70, 223)` looks like.

```
.text, #text, p{  
    color:rgb(235, 70, 223)  
}
```

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(235, 70, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 70, 223) }
```

Border

The CSS property to change the border of an element to RYB 235, 70, 223 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(235, 70, 223) }
```

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

```
.border{ border-color:rgb(235, 70, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 70, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 70, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 70, 223);  
box-shadow:4px 4px 4px 4px rgb(235, 70,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 235, 70, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 70, 223) }
```

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

```
.background{ background-color: rgb(235, 70,  
223) }
```

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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