

Converting Colors

`RYB(234, 48, 226)`

Have a look what the booklet for RYB(234, 48, 226) contains.

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Color

R_YB(234, 48, 226)

Conversions

Conversions Part 1

Format	Color
Hex	EA30E2
RGB	234, 48, 226
RGB Percent	92%, 19%, 89%
CMY	0.0824, 0.8118, 0.1137
CMYK	0.00, 0.79, 0.03, 0.08
HSL	303°, 82%, 55%
HSV	303°, 79%, 92%
XYZ	48.7161, 25.0973, 74.2281
YIQ	123.9060, 53.7180, 94.7900

Conversions

Conversions Part 2

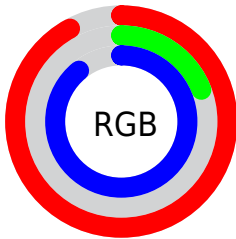
Format	Color
RYB	234, 48, 226
Decimal	15347938
CIELab	57.17, 84.75, -49.87
CIELCh	57, 98.336, 329.529
Yxy	25.0973, 0.3291, 0.1695
Android (android.graphics.Color)	4293538018 (0xFFEA30E2)
YUV	123.9060, 50.3323, 96.5524
Hunter-Lab	50.0972, 85.9088, -52.7809

Details

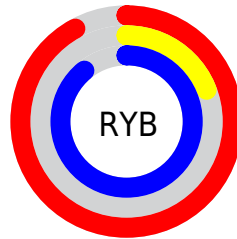
The RYB color **234, 48, 226** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **48, 226, 234**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **255, 117, 255**, and **174, 0, 170** is the 20% darker color. If you saturate the color by 10%, you get **234, 25, 225**, and if you desaturate by 10%, it is **234, 71, 227**.

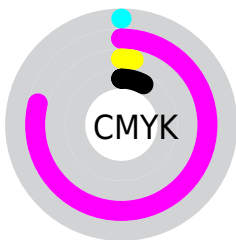
Distribution



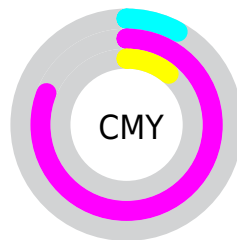
- Red (92%)
- Green (19%)
- Blue (89%)



- Red (92%)
- Yellow (19%)
- Blue (89%)



- Cyan (0%)
- Magenta (79%)
- Yellow (3%)
- Black (8%)




















- Cyan (8%)
- Magenta (81%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 48, 226 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 234, 48, 226 by changing the saturation by 10% instead.

 234, 48, 226	 234, 48, 226
 255, 255, 255	 204, 0, 198
 255, 117, 255	 174, 0, 170
 255, 147, 255	 144, 0, 143
 255, 177, 255	 115, 0, 117
 255, 208, 255	 86, 0, 91
 255, 238, 255	 59, 0, 67
	 28, 0, 44
	 0, 1, 22
	 0, 0, 0

■ 234, 48, 226

■ 234, 48, 226

■ 234, 25, 225

■ 234, 71, 227

■ 234, 1, 224

■ 234, 95, 228

■ 234, 0, 224

■ 234, 118, 229

■ 234, 142, 230

■ 234, 165, 231

■ 234, 188, 232

■ 234, 212, 233

■ 234, 235, 235

■ 234, 254, 255

Harmonies

Analogous

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



110, 114, 255



234, 48, 226



255, 0, 143

Triad

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



234, 48, 226



43, 168, 0



0, 97, 221

Complementary

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



234, 48, 226



48, 226, 234

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, 171



234, 48, 226



0, 156, 77

Square

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



234, 48, 226



232, 158, 0



0, 136, 166



0, 101, 255

Rectangle

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



234, 48, 226



255, 0, 87



0, 136, 166



0, 91, 193

Sweetspot

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



234, 48, 226



255, 194, 252



54, 48, 234



128, 91, 126



0, 0, 0



128, 128, 128

Same Dimension

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



234, 48, 226



255, 13, 245



234, 48, 135



117, 106, 117



181, 0, 173



54, 0, 51

Inverse Universe

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



234, 48, 226



255, 13, 245



48, 169, 234



117, 106, 117



181, 0, 173



54, 0, 51

Previews

White Background



This preview shows how the RYB color 234, 48, 226 looks on a white background.

Color Contrast Check

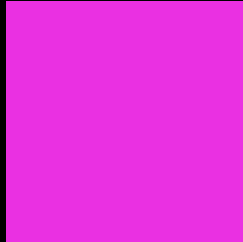
Large Text (above 18pt) WCAG AA ✓ Pass

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 234, 48, 226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

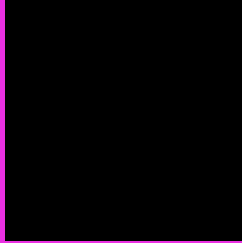
Any Text WCAG AA ✓ Pass

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 234, 48, 226 Background



This preview shows how black text looks on a background with the RYB color 234, 48, 226.



This preview shows how white text looks on a background with the RYB color 234, 48, 226.

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
234, 48, 226

Protanopia
73, 119, 255

Deuteranopia
98, 127, 214



Tritanopia
221, 97, 104

Trichromacy



Original Color

234, 48, 226



Protanomaly

132, 103, 244



Deuteranomaly

147, 105, 218



Tritanomaly

226, 79, 148

Monochromacy



Original Color

234, 48, 226



Achromatopsia

124, 124, 124



Achromatomaly

164, 96, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 48, 226 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(234, 48, 226) looks like.

```
.text, #text, p{  
    color:rgb(234, 48, 226)  
}
```

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(234, 48, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 48, 226) }
```

Border

The CSS property to change the border of an element to RYB 234, 48, 226 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(234, 48, 226) }
```

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

```
.border{ border-color:rgb(234, 48, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 48, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 48, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 48, 226);  
box-shadow:4px 4px 4px 4px rgb(234, 48,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 234, 48, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 48, 226) }
```

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

```
.background{ background-color: rgb(234, 48,  
226) }
```

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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