

Converting Colors

`RYB(242, 0, 234)`

Have a look what the booklet for
RYB(242, 0, 234) contains.

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Color

R_YB(242, 0, 234)

Conversions

Conversions Part 1

Format	Color
Hex	F200EA
RGB	242, 0, 234
RGB Percent	95%, 0%, 92%
CMY	0.0510, 1.0000, 0.0824
CMYK	0.00, 1.00, 0.03, 0.05
HSL	302°, 100%, 47%
HSV	302°, 100%, 95%
XYZ	51.4692, 24.8178, 79.9195
YIQ	99.0340, 69.1180, 124.0780

Conversions

Conversions Part 2

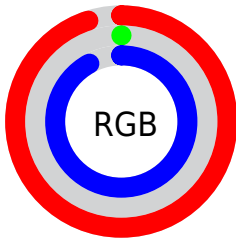
Format	Color
R_{YB}	242, 0, 234
Decimal	15859946
CIE _{Lab}	56.90, 93.33, -54.72
CIE _{LCh}	57, 108.191, 329.614
Yxy	24.8178, 0.3295, 0.1589
Android (android.graphics.Color)	4294050026 (0xFFFF200EA)
YUV	99.0340, 66.5382, 125.3812
Hunter-Lab	49.8174, 97.2381, -60.2436

Details

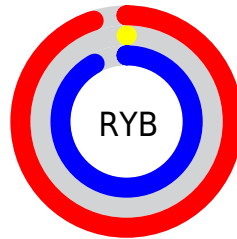
The RYB color **242, 0, 234** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **0, 234, 242**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **255, 102, 255**, and **181, 0, 177** is the 20% darker color. If you saturate the color by 10%, you get **242, 0, 234**, and if you desaturate by 10%, it is **242, 24, 235**.

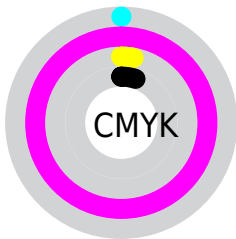
Distribution



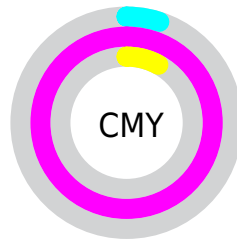
- Red (95%)
- Green (0%)
- Blue (92%)



- Red (95%)
- Yellow (0%)
- Blue (92%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (5%)




















- Cyan (5%)
- Magenta (100%)
- Yellow (8%)


Brightness & Saturation Gradients

These gradients show how the RYB color 242, 0, 234 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 242, 0, 234 by changing the saturation by 10% instead.

 242, 0, 234	 242, 0, 234
 255, 255, 255	 211, 0, 205
 255, 102, 255	 181, 0, 177
 255, 134, 255	 151, 0, 150
 255, 166, 255	 121, 0, 124
 255, 197, 255	 92, 0, 98
 255, 227, 255	 63, 0, 73
	 32, 0, 49
	 0, 1, 27
	 0, 0, 0


 242, 0, 234

 242, 24, 235

 242, 48, 236


 242, 73, 236

 242, 97, 237

 242, 121, 238

 242, 145, 239

 242, 169, 240

 242, 194, 240

 242, 218, 241

Harmonies

Analogous

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



98, 110, 255



242, 0, 234



255, 0, 142

Triad

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



242, 0, 234



43, 167, 0



0, 99, 229

Complementary

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



242, 0, 234



0, 234, 242

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, 172



242, 0, 234



0, 157, 91

Square

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



242, 0, 234



238, 137, 0



0, 152, 167



0, 102, 255

Rectangle

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



242, 0, 234



255, 0, 81



0, 152, 167



0, 92, 198

Sweetspot

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



242, 0, 234



255, 179, 252



4, 0, 242



128, 82, 126



0, 0, 0



128, 128, 128

Same Dimension

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



242, 0, 234



255, 0, 247



242, 0, 117



120, 108, 119



184, 0, 178



56, 0, 54

Inverse Universe

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



242, 0, 234



255, 0, 247



0, 160, 242



120, 108, 119



184, 0, 178



56, 0, 54

Previews

White Background



This preview shows how the RYB color 242, 0, 234 looks on a white background.

Color Contrast Check

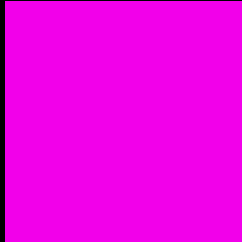
Large Text (above 18pt) WCAG AA ✓ Pass

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 242, 0, 234 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 Y B 242, 0, 234 Background



This preview shows how black text looks on a background with the R Y B color 242, 0, 234.



This preview shows how white text looks on a background with the R Y B color 242, 0, 234.

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
242, 0, 234

Protanopia
72, 118, 255

Deuteranopia
90, 125, 220



Tritanopia
228, 92, 98

Trichromacy



Original Color

242, 0, 234



Protanomaly

134, 85, 247



Deuteranomaly

145, 88, 225



Tritanomaly

233, 59, 147

Monochromacy



Original Color

242, 0, 234



Achromatopsia

99, 99, 99



Achromatomaly

151, 63, 148

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 0, 234 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(242, 0, 234)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 234)  
}
```

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(242, 0, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 234) }
```

Border

The CSS property to change the border of an element to RYB 242, 0, 234 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(242, 0, 234) }
```

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

```
.border{ border-color:rgb(242, 0, 234) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 234);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
234) }
```

Background

The CSS property to change the background color of an element to RYB 242, 0, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 234) }
```

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

```
.background{ background-color: rgb(242, 0,  
234) }
```

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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