

Converting Colors

`RYB(242, 0, 137)`

Have a look what the booklet for
RYB(242, 0, 137) contains.

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Color

R_YB(242, 0, 137)

Conversions

Conversions Part 1

Format	Color
Hex	F20089
RGB	242, 0, 137
RGB Percent	95%, 0%, 54%
CMY	0.0510, 1.0000, 0.4627
CMYK	0.00, 1.00, 0.43, 0.05
HSL	326°, 100%, 47%
HSV	326°, 100%, 95%
XYZ	41.1333, 20.6834, 25.4912
YIQ	87.9760, 100.2550, 93.9110

Conversions

Conversions Part 2

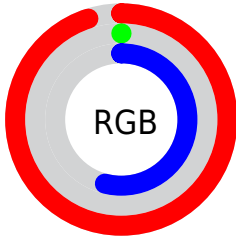
Format	Color
R_YB	242, 0, 137
Decimal	15859849
CIE _{Lab}	52.60, 82.51, -4.99
CIE _{LCh}	53, 82.656, 356.541
Yxy	20.6834, 0.4711, 0.2369
Android (android.graphics.Color)	4294049929 (0xFFFF20089)
YUV	87.9760, 24.1688, 135.0790
Hunter-Lab	45.4790, 81.8554, -1.3971

Details

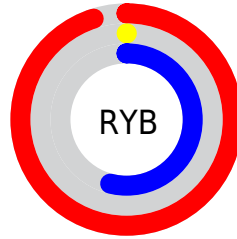
The RYB color **242, 0, 137** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **0, 169, 242**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **255, 97, 190**, and **179, 0, 87** is the 20% darker color. If you saturate the color by 10%, you get **242, 0, 137**, and if you desaturate by 10%, it is **242, 24, 147**.

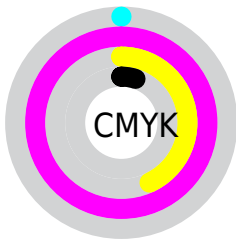
Distribution



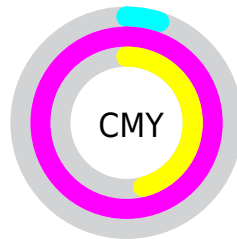
- Red (95%)
- Green (0%)
- Blue (54%)



- Red (95%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the RYB color 242, 0, 137 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, 137 by changing the saturation by 10% instead.

 242, 0, 137

 242, 0, 137

255, 255, 255

 211, 0, 112

 255, 97, 190

 179, 0, 87

 255, 129, 218

 149, 0, 64

 255, 160, 246

 118, 0, 43

 255, 190, 255

 88, 0, 22

 255, 220, 255

 58, 0, 2

 255, 251, 255

 18, 0, 0

 0, 0, 0

 242, 0, 137

■ 242, 24, 147

■ 242, 48, 158

■ 242, 73, 168

■ 242, 97, 179

■ 242, 121, 189

■ 242, 145, 200

■ 242, 169, 210

■ 242, 194, 221

■ 242, 218, 231

Harmonies

Analogous

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



200, 67, 205



242, 0, 137



242, 37, 67

Triad

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



242, 0, 137



0, 140, 50



0, 93, 244

Complementary

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



242, 0, 137



0, 169, 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, 85, 188



242, 0, 137



0, 121, 150

Square

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



242, 0, 137



52, 159, 0



0, 88, 154



0, 90, 255

Rectangle

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



242, 0, 137



224, 95, 15



0, 88, 154



0, 92, 228

Sweetspot

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



242, 0, 137



255, 179, 222



105, 0, 242



128, 82, 108



0, 0, 0



128, 128, 128

Same Dimension

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



242, 0, 137



255, 0, 144



242, 0, 16



120, 108, 115



184, 0, 104



56, 0, 32

Inverse Universe

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



242, 0, 137



255, 0, 144



0, 125, 242



120, 108, 115



184, 0, 104



56, 0, 32

Previews

White Background



This preview shows how the RYB color 242, 0, 137 looks on a white background.

Color Contrast Check

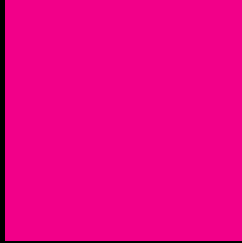
Large Text (above 18pt) WCAG AA ✓ Pass

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, 137 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 242, 0, 137 Background



This preview shows how black text looks on a background with the RYB color 242, 0, 137.

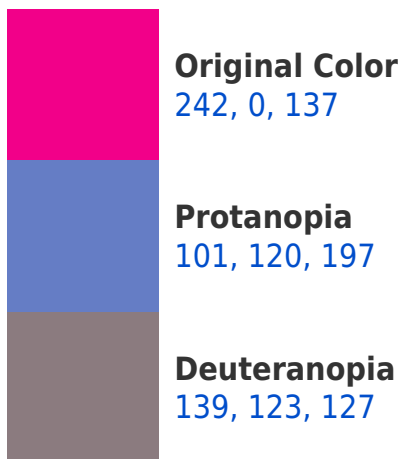


This preview shows how white text looks on a background with the RYB color 242, 0, 137.

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
238, 54, 55

Trichromacy



Original Color

242, 0, 137



Protanomaly

152, 80, 175



Deuteranomaly

176, 78, 131



Tritanomaly

239, 34, 85

Monochromacy



Original Color

242, 0, 137



Achromatopsia

88, 88, 88



Achromatomaly

144, 56, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 0, 137 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 137) }
```

Border

The CSS property to change the border of an element to RYB 242, 0, 137 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, 137) }
```

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

```
.border{ border-color:rgb(242, 0, 137) }
```

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, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
137) }
```

Background

The CSS property to change the background color of an element to RGB 242, 0, 137 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, 137) }
```

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

```
.background{ background-color: rgb(242, 0,  
137) }
```

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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