

Converting Colors

`RYB(237, 32, 169)`

Have a look what the booklet for
RYB(237, 32, 169) contains.

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Color

R_YB(237, 32, 169)

Conversions

Conversions Part 1

Format	Color
Hex	ED20A9
RGB	237, 32, 169
RGB Percent	93%, 13%, 66%
CMY	0.0706, 0.8745, 0.3373
CMYK	0.00, 0.86, 0.29, 0.07
HSL	320°, 85%, 53%
HSV	320°, 86%, 93%
XYZ	42.6030, 21.9021, 39.5182
YIQ	108.9130, 78.2030, 86.0670

Conversions

Conversions Part 2

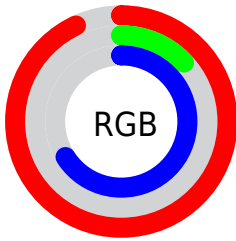
Format	Color
RYB	237, 32, 169
Decimal	15540393
CIELab	53.92, 81.26, -22.11
CIELCh	54, 84.213, 344.782
Yxy	21.9021, 0.4096, 0.2106
Android (android.graphics.Color)	4293730473 (0xFFED20A9)
YUV	108.9130, 29.6229, 112.3323
Hunter-Lab	46.7997, 80.5938, -17.3054

Details

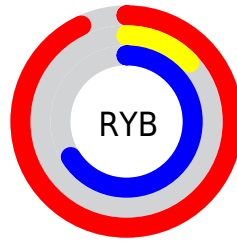
The RYB color **237, 32, 169** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **32, 186, 237**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **255, 107, 224**, and **176, 0, 117** is the 20% darker color. If you saturate the color by 10%, you get **237, 8, 161**, and if you desaturate by 10%, it is **237, 56, 177**.

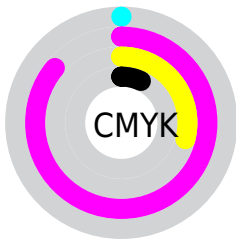
Distribution



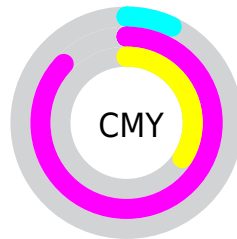
- Red (93%)
- Green (13%)
- Blue (66%)



- Red (93%)
- Yellow (13%)
- Blue (66%)



- Cyan (0%)
- Magenta (86%)
- Yellow (29%)
- Black (7%)



- Cyan (7%)
- Magenta (87%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 32, 169 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 237, 32, 169 by changing the saturation by 10% instead.

 237, 32, 169

 237, 32, 169

255, 255, 255

 206, 0, 142

 255, 107, 224

 176, 0, 117

 255, 137, 253

 146, 0, 92

 255, 168, 255

 116, 0, 68

 255, 198, 255

 87, 0, 46

 255, 228, 255

 58, 0, 24

 25, 0, 1

 0, 0, 0

 237, 32, 169

 237, 32, 169

■ 237, 8, 161

■ 237, 56, 177

■ 237, 0, 158

■ 237, 79, 185

■ 237, 103, 193

■ 237, 127, 200

■ 237, 151, 208

■ 237, 174, 216

■ 237, 198, 224

■ 237, 222, 232

■ 237, 243, 245

Harmonies

Analogous

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



174, 88, 234



237, 32, 169



253, 10, 97

Triad

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



237, 32, 169



0, 137, 14



0, 94, 231

Complementary

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



237, 32, 169



32, 186, 237

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, 81, 164



237, 32, 169



0, 151, 151

Square

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



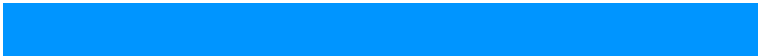
237, 32, 169



123, 186, 0



0, 101, 157



0, 94, 255

Rectangle

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



237, 32, 169



242, 55, 50



0, 101, 157



0, 91, 211

Sweetspot

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



237, 32, 169



255, 189, 233



97, 32, 237



128, 88, 114



0, 0, 0



128, 128, 128

Same Dimension

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



237, 32, 169



255, 0, 170



237, 32, 70



117, 106, 113



181, 0, 121



54, 0, 36

Inverse Universe

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



237, 32, 169



255, 0, 170



32, 145, 237



117, 106, 113



181, 0, 121



54, 0, 36

Previews

White Background



This preview shows how the RYB color 237, 32, 169 looks on a white background.

Color Contrast Check

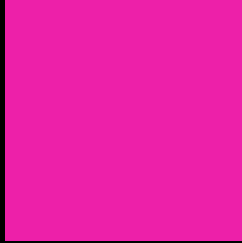
Large Text (above 18pt) WCAG AA ✓ Pass

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 237, 32, 169 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 237, 32, 169 Background



This preview shows how black text looks on a background with the RYB color 237, 32, 169.



This preview shows how white text looks on a background with the RYB color 237, 32, 169.

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
237, 32, 169

Protanopia
76, 114, 235

Deuteranopia
128, 127, 158



Tritanopia
230, 72, 75

Trichromacy



Original Color

237, 32, 169



Protanomaly

135, 92, 211



Deuteranomaly

168, 92, 162



Tritanomaly

233, 57, 109

Monochromacy



Original Color

237, 32, 169



Achromatopsia

109, 109, 109



Achromatomaly

156, 81, 131

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 32, 169 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(237, 32, 169)` looks like.

```
.text, #text, p{  
    color:rgb(237, 32, 169)  
}
```

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(237, 32, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 32, 169) }
```

Border

The CSS property to change the border of an element to RYB 237, 32, 169 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(237, 32, 169) }
```

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

```
.border{ border-color:rgb(237, 32, 169) }
```

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

Here you see how a box with a 4 pixel rgb(237, 32, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 32, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 32, 169);  
box-shadow:4px 4px 4px 4px rgb(237, 32,  
169) }
```

Background

The CSS property to change the background color of an element to RGB 237, 32, 169 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 32, 169) }
```

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

```
.background{ background-color: rgb(237, 32,  
169) }
```

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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