

Converting Colors

`RYB(236, 133, 202)`

Have a look what the booklet for
RYB(236, 133, 202) contains.

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Color

$\text{RYB}(236, 133, 202)$

Conversions

Conversions Part 1

Format	Color
Hex	EC85CA
RGB	236, 133, 202
RGB Percent	93%, 52%, 79%
CMY	0.0745, 0.4784, 0.2078
CMYK	0.00, 0.44, 0.14, 0.07
HSL	320°, 73%, 72%
HSV	320°, 44%, 93%
XYZ	53.6403, 38.8722, 60.5530
YIQ	171.6630, 39.2390, 43.2950

Conversions

Conversions Part 2

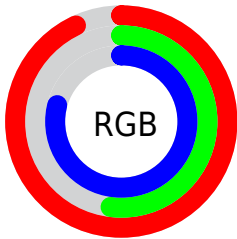
Format	Color
R_{YB}	236, 133, 202
Decimal	15500746
CIE _{Lab}	68.66, 48.29, -18.51
CIE _{LCh}	69, 51.712, 339.029
Yxy	38.8722, 0.3504, 0.2540
Android (android.graphics.Color)	4293690826 (0xFFEC85CA)
YUV	171.6630, 14.9561, 56.4235
Hunter-Lab	62.3476, 44.4629, -13.9402

Details

The RYB color **236, 133, 202** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **133, 210, 236**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **255, 188, 255**, and **178, 80, 148** is the 20% darker color. If you saturate the color by 10%, you get **236, 109, 194**, and if you desaturate by 10%, it is **236, 157, 210**.

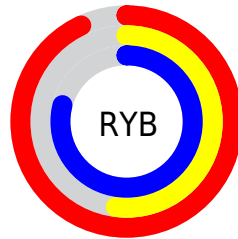
Distribution



Red (93%)

Green (52%)

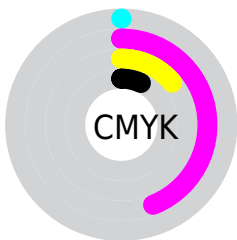
Blue (79%)



Red (93%)

Yellow (52%)

Blue (79%)

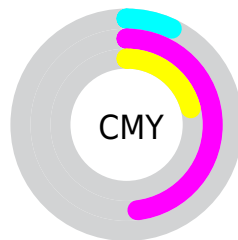


Cyan (0%)

Magenta (44%)

Yellow (14%)

Black (7%)



Cyan (7%)

Magenta (48%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the RYB color 236, 133, 202 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 236, 133, 202 by changing the saturation by 10% instead.

 236, 133, 202

 236, 133, 202


255, 255, 255

 207, 106, 175

 255, 188, 255

 178, 80, 148

 255, 217, 255

 150, 53, 122

 255, 246, 255

 123, 24, 97

 96, 0, 73

 70, 0, 50

 47, 0, 30

 0, 0, 0

 236, 133, 202

 236, 133, 202

■ 236, 109, 194

■ 236, 157, 210

■ 236, 86, 186

■ 236, 180, 218

■ 236, 62, 179

■ 236, 204, 225

■ 236, 39, 171

■ 236, 227, 233

■ 236, 15, 163

■ 236, 247, 251

■ 236, 0, 158

■ 236, 247, 255

■ 236, 246, 255

Harmonies

Analogous

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



190, 150, 240



236, 133, 202



255, 127, 155

Triad

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



236, 133, 202



83, 181, 71



0, 103, 225

Complementary

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



236, 133, 202



133, 210, 236

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, 98, 191



236, 133, 202



92, 182, 143

Square

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



236, 133, 202



212, 222, 79



59, 142, 189



0, 106, 254

Rectangle

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



236, 133, 202



253, 132, 125



59, 142, 189



0, 100, 211

Sweetspot

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



236, 133, 202



255, 222, 244



166, 133, 236



128, 107, 121



0, 0, 0



128, 128, 128

Same Dimension

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



236, 133, 202



255, 122, 211



236, 133, 152



117, 106, 113



181, 0, 121



54, 0, 36

Inverse Universe

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



236, 133, 202



255, 122, 211



133, 190, 236



117, 106, 113



181, 0, 121



54, 0, 36

Previews

White Background



This preview shows how the RYB color 236, 133, 202 looks on a white background.

Color Contrast Check

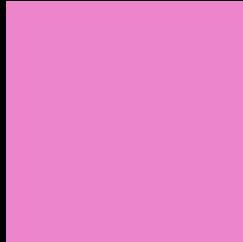
Large Text (above 18pt) WCAG AA × Fail

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 236, 133, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

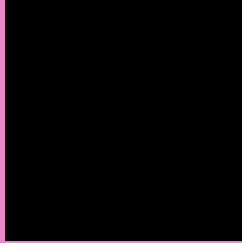
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 236, 133, 202 Background



This preview shows how black text looks on a background with the RYB color 236, 133, 202.



This preview shows how white text looks on a background with the RYB color 236, 133, 202.

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
236, 133, 202

Protanopia
151, 163, 225

Deuteranopia
170, 164, 197



Tritanopia
231, 143, 153

Trichromacy



Original Color

236, 133, 202



Protanomaly

182, 154, 217



Deuteranomaly

194, 153, 199



Tritanomaly

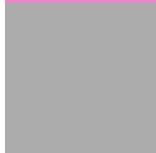
233, 139, 171

Monochromacy



Original Color

236, 133, 202



Achromatopsia

172, 172, 172



Achromatomaly

195, 158, 183

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 133, 202 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(236, 133, 202) looks like.

```
.text, #text, p{  
    color:rgb(236, 133, 202)  
}
```

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(236, 133, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 133, 202) }
```

Border

The CSS property to change the border of an element to RYB 236, 133, 202 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(236, 133, 202) }
```

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

```
.border{ border-color:rgb(236, 133, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 133, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 133, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 133, 202);  
box-shadow:4px 4px 4px 4px rgb(236, 133,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 236, 133, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 133, 202) }
```

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

```
.background{ background-color: rgb(236,  
133, 202) }
```

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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