

Converting Colors

`RYB(232, 53, 200)`

Have a look what the booklet for
RYB(232, 53, 200) contains.

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Color

`RYB(232, 53, 200)`

Conversions

Conversions Part 1

Format	Color
Hex	E835C8
RGB	232, 53, 200
RGB Percent	91%, 21%, 78%
CMY	0.0902, 0.7922, 0.2157
CMYK	0.00, 0.77, 0.14, 0.09
HSL	311°, 80%, 56%
HSV	311°, 77%, 91%
XYZ	44.9771, 23.8721, 56.8808
YIQ	123.2790, 59.4970, 83.6650

Conversions

Conversions Part 2

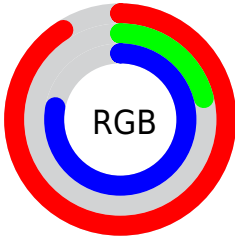
Format	Color
R _Y B	232, 53, 200
Decimal	15218120
CIE Lab	55.96, 79.46, -37.01
CIE LCh	56, 87.657, 335.027
Yxy	23.8721, 0.3577, 0.1899
Android (android.graphics.Color)	4293408200 (0xFFE835C8)
YUV	123.2790, 37.8235, 95.3483
Hunter-Lab	48.8591, 78.8142, -34.8228

Details

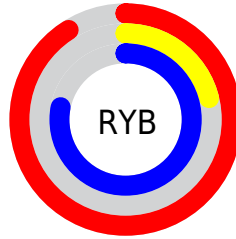
The RYB color **232, 53, 200** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **53, 205, 232**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **255, 119, 255**, and **172, 0, 146** is the 20% darker color. If you saturate the color by 10%, you get **232, 30, 196**, and if you desaturate by 10%, it is **232, 76, 204**.

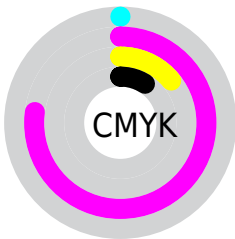
Distribution



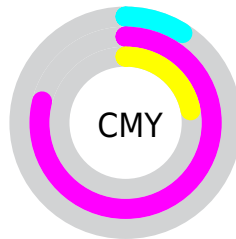
- Red (91%)
- Green (21%)
- Blue (78%)



- Red (91%)
- Yellow (21%)
- Blue (78%)



- Cyan (0%)
- Magenta (77%)
- Yellow (14%)
- Black (9%)



















- Cyan (9%)
- Magenta (79%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the RYB color 232, 53, 200 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 232, 53, 200 by changing the saturation by 10% instead.

 232, 53, 200	 232, 53, 200
 255, 255, 255	 202, 0, 172
 255, 119, 255	 172, 0, 146
 255, 149, 255	 143, 0, 119
 255, 178, 255	 114, 0, 94
 255, 208, 255	 85, 0, 70
 255, 238, 255	 58, 0, 47
	 26, 0, 25
	 0, 0, 0

 232, 53, 200	 232, 53, 200
--	--

■ 232, 30, 196

■ 232, 76, 204

■ 232, 7, 192

■ 232, 99, 208

■ 232, 0, 191

■ 232, 123, 212

■ 232, 146, 217

■ 232, 169, 221

■ 232, 192, 225

■ 232, 215, 229

■ 232, 238, 239

■ 232, 251, 255

Harmonies

Analogous

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



144, 106, 255



232, 53, 200



255, 0, 125

Triad

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



232, 53, 200



19, 152, 0



0, 94, 221

Complementary

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



232, 53, 200



53, 205, 232

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, 89, 166



232, 53, 200



0, 153, 86

Square

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



232, 53, 200



212, 208, 0



0, 116, 162



0, 98, 255

Rectangle

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



232, 53, 200



255, 34, 75



0, 116, 162



0, 90, 197

Sweetspot

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



232, 53, 200



255, 196, 245



83, 53, 232



128, 92, 121



0, 0, 0



128, 128, 128

Same Dimension

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



232, 53, 200



255, 18, 213



232, 53, 113



115, 103, 113



179, 0, 147



51, 0, 42

Inverse Universe

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



232, 53, 200



255, 18, 213



53, 161, 232



115, 103, 113



179, 0, 147



51, 0, 42

Previews

White Background



This preview shows how the RYB color 232, 53, 200 looks on a white background.

Color Contrast Check

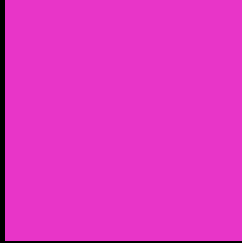
Large Text (above 18pt) WCAG AA ✓ Pass

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 232, 53, 200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

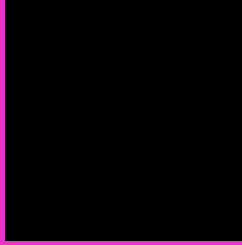
Any Text WCAG AA ✓ Pass

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 232, 53, 200 Background



This preview shows how black text looks on a background with the RYB color 232, 53, 200.



This preview shows how white text looks on a background with the RYB color 232, 53, 200.

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
232, 53, 200

Protanopia
66, 114, 255

Deuteranopia
115, 129, 189



Tritanopia
222, 90, 96

Trichromacy



Original Color

232, 53, 200



Protanomaly

126, 103, 235



Deuteranomaly

158, 104, 193



Tritanomaly

226, 77, 134

Monochromacy



Original Color

232, 53, 200



Achromatopsia

123, 123, 123



Achromatomaly

163, 98, 151

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 53, 200 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(232, 53, 200)` looks like.

```
.text, #text, p{  
  color:rgb(232, 53, 200)  
}
```

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(232, 53, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 53, 200) }
```

Border

The CSS property to change the border of an element to RYB 232, 53, 200 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(232, 53, 200) }
```

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

```
.border{ border-color:rgb(232, 53, 200) }
```

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

Here you see how a box with a 4 pixel rgb(232, 53, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 53, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 53, 200);  
box-shadow:4px 4px 4px 4px rgb(232, 53,  
200) }
```

Background

The CSS property to change the background color of an element to RGB 232, 53, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 53, 200) }
```

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

```
.background{ background-color: rgb(232, 53,  
200) }
```

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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