

Converting Colors

`RYB(255, 29, 239)`

Have a look what the booklet for
RYB(255, 29, 239) contains.

RYB(255, 29, 239)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(255, 29, 239)

Conversions

Conversions Part 1

Format	Color
Hex	FF1DEF
RGB	255, 29, 239
RGB Percent	100%, 11%, 94%
CMY	0.0000, 0.8863, 0.0627
CMYK	0.00, 0.89, 0.06, 0.00
HSL	304°, 100%, 56%
HSV	304°, 89%, 100%
XYZ	57.2594, 28.3707, 84.1195
YIQ	120.5140, 67.2860, 113.2220

Conversions

Conversions Part 2

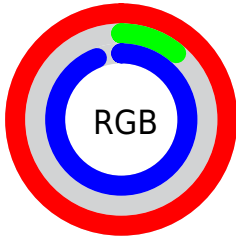
Format	Color
R _Y B	255, 29, 239
Decimal	16719343
CIE Lab	60.22, 93.74, -52.10
CIE LCh	60, 107.246, 330.936
Yxy	28.3707, 0.3373, 0.1671
Android (android.graphics.Color)	4294909423 (0xFFFF1DEF)
YUV	120.5140, 58.4136, 117.9442
Hunter-Lab	53.2642, 98.6764, -56.3511

Details

The RYB color **255, 29, 239** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **29, 240, 255**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **255, 112, 255**, and **193, 0, 182** is the 20% darker color. If you saturate the color by 10%, you get **255, 4, 237**, and if you desaturate by 10%, it is **255, 55, 241**.

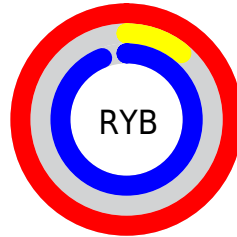
Distribution



Red (100%)

Green (11%)

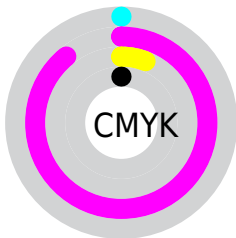
Blue (94%)



Red (100%)

Yellow (11%)

Blue (94%)

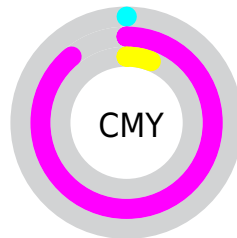


Cyan (0%)

Magenta (89%)

Yellow (6%)

Black (0%)



Cyan (0%)


Magenta (89%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the RYB color 255, 29, 239 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 255, 29, 239 by changing the saturation by 10% instead.

 255, 29, 239

 255, 29, 239

255, 255, 255

 224, 0, 210

 255, 112, 255

 193, 0, 182

 255, 144, 255

 163, 0, 155

 255, 175, 255

 133, 0, 128


 255, 206, 255

 104, 0, 102

 255, 237, 255

 76, 0, 78

 45, 0, 54

 1, 0, 31

 0, 0, 2

■ 255, 29, 239

■ 255, 29, 239

■ 255, 4, 237

■ 255, 55, 241

■ 255, 0, 237

■ 255, 80, 243

■ 255, 106, 244

■ 255, 131, 246

■ 255, 157, 248

■ 255, 182, 250

■ 255, 208, 252

■ 255, 233, 253

255, 255, 255

Harmonies

Analogous

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



123, 117, 255



255, 29, 239



255, 0, 147

Triad

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



255, 29, 239



38, 174, 0



0, 104, 241

Complementary

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



255, 29, 239



29, 240, 255

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, 101, 182



255, 29, 239



0, 166, 95

Square

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



255, 29, 239



246, 168, 0



0, 146, 177



0, 104, 255

Rectangle

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



255, 29, 239



255, 0, 85



0, 146, 177



0, 98, 211

Sweetspot

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



255, 29, 239



255, 186, 250



44, 29, 255



128, 87, 125



0, 0, 0



128, 128, 128

Same Dimension

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



255, 29, 239



255, 0, 237



255, 29, 127



128, 115, 127



191, 0, 178



64, 0, 59

Inverse Universe

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



255, 29, 239



255, 0, 237



29, 173, 255



128, 115, 127



191, 0, 178



64, 0, 59

Previews

White Background



This preview shows how the RYB color 255, 29, 239 looks on a white background.

Color Contrast Check

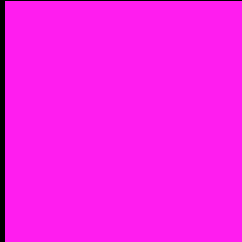
Large Text (above 18pt) WCAG AA ✓ Pass

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 255, 29, 239 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](#).

RGB 255, 29, 239 Background



This preview shows how black text looks on a background with the RGB color 255, 29, 239.

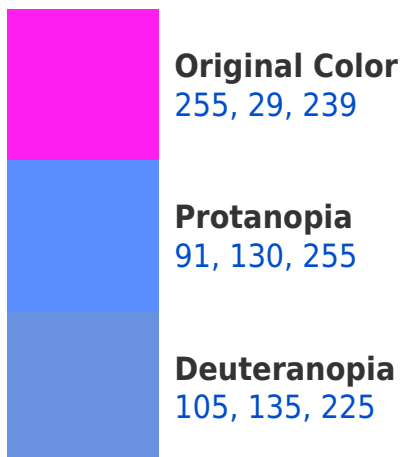


This preview shows how white text looks on a background with the RGB color 255, 29, 239.

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





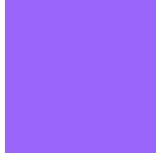
Tritanopia
241, 97, 103

Trichromacy



Original Color

255, 29, 239



Protanomaly

151, 101, 249



Deuteranomaly

160, 103, 230



Tritanomaly

246, 72, 152

Monochromacy



Original Color

255, 29, 239



Achromatopsia

121, 121, 121



Achromatomaly

170, 88, 164

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 29, 239 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(255, 29, 239)` looks like.

```
.text, #text, p{  
    color:rgb(255, 29, 239)  
}
```

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(255, 29, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 29, 239) }
```

Border

The CSS property to change the border of an element to RYB 255, 29, 239 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(255, 29, 239) }
```

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

```
.border{ border-color:rgb(255, 29, 239) }
```

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

Here you see how a box with a 4 pixel rgb(255, 29, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 29, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 29, 239);  
box-shadow:4px 4px 4px 4px rgb(255, 29,  
239) }
```

Background

The CSS property to change the background color of an element to RGB 255, 29, 239 is called "background".

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

```
.background, #background, body{  
background: rgb(255, 29, 239) }
```

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

```
.background{ background-color: rgb(255, 29,  
239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor