

# Converting Colors

`RYB(252, 54, 241)`

Have a look what the booklet for  
RYB(252, 54, 241) contains.

<b>RYB(252, 54, 241)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(252, 54, 241)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC36F1
RGB	252, 54, 241
RGB Percent	99%, 21%, 95%
CMY	0.0118, 0.7882, 0.0549
CMYK	0.00, 0.79, 0.04, 0.01
HSL	303°, 97%, 60%
HSV	303°, 79%, 99%
XYZ	57.3412, 29.6847, 85.9266
YIQ	134.5200, 57.9810, 100.1330

# Conversions

## Conversions Part 2

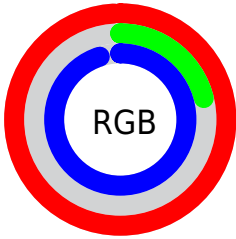
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 54, 241
Decimal	16529137
CIE <sub>Lab</sub>	61.38, 88.95, -51.41
CIE <sub>LCh</sub>	61, 102.733, 329.975
Yxy	29.6847, 0.3315, 0.1716
Android (android.graphics.Color)	4294719217 (0xFFFC36F1)
YUV	134.5200, 52.4946, 103.0300
Hunter-Lab	54.4836, 92.5158, -55.3682

# Details

The RYB color **252, 54, 241** 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 **54, 242, 252**, and the grayscale version is **134, 134, 134**.

A 20% lighter version of the original color is **255, 123, 255**, and **191, 0, 184** is the 20% darker color. If you saturate the color by 10%, you get **252, 29, 240**, and if you desaturate by 10%, it is **252, 79, 242**.

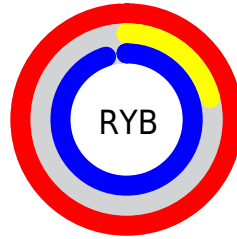
# Distribution



Red (99%)

Green (21%)

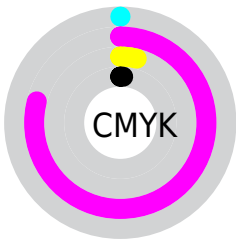
Blue (95%)



Red (99%)

Yellow (21%)

Blue (95%)

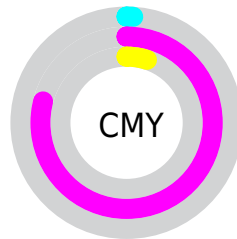


Cyan (0%)

Magenta (79%)

Yellow (4%)

Black (1%)



Cyan (1%)

Magenta (79%)

















Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 252, 54, 241 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 252, 54, 241 by changing the saturation by 10% instead.



 252, 54, 241	 252, 54, 241
255, 255, 255	 221, 0, 212
 255, 123, 255	 191, 0, 184
 255, 154, 255	 161, 0, 157
 255, 185, 255	 131, 0, 130
 255, 215, 255	 102, 0, 104
 255, 246, 255	 75, 0, 79
	 44, 0, 55
	 0, 0, 33
	 0, 0, 5


 252, 54, 241

 252, 54, 241


 252, 29, 240


 252, 79, 242


 252, 4, 238

 252, 104, 244

 252, 0, 238

 252, 130, 245

 252, 155, 247

 252, 180, 248

 252, 205, 249

 252, 230, 251

 252, 255, 255

 252, 254, 255

# Harmonies

## Analogous

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



124, 123, 255



252, 54, 241



255, 0, 153

# Triad

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



252, 54, 241



43, 180, 0



0, 104, 238

# Complementary

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



252, 54, 241



54, 242, 252

# 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, 103, 184



252, 54, 241



0, 168, 83

# Square

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



252, 54, 241



249, 179, 0



0, 144, 179



0, 105, 255

# Rectangle

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



252, 54, 241



255, 0, 93



0, 144, 179



0, 98, 208



# Sweetspot

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



252, 54, 241



255, 194, 252



64, 54, 252



128, 91, 125



0, 0, 0



128, 128, 128



# Same Dimension

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



252, 54, 241



255, 15, 242



252, 54, 143



125, 112, 124



189, 0, 178



61, 0, 58



# Inverse Universe

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



252, 54, 241



255, 15, 242



54, 182, 252



125, 112, 124



189, 0, 178



61, 0, 58



# Previews

## White Background



This preview shows how the RYB color 252, 54, 241 looks on a white background.

## Color Contrast Check

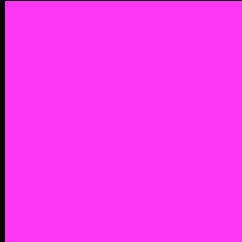
Large Text (above 18pt) WCAG AA ✓ Pass

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 252, 54, 241 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 252, 54, 241 Background



This preview shows how black text looks on a background with the RYB color 252, 54, 241.

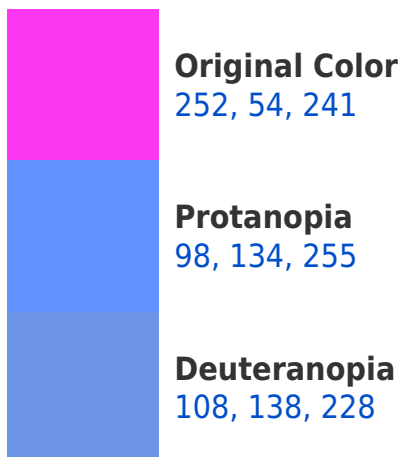



This preview shows how white text looks on a background with the RYB color 252, 54, 241.

# 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, 105, 112

# Trichromacy



**Original Color**

252, 54, 241



**Protanomaly**

154, 112, 250



**Deuteranomaly**

160, 114, 233



**Tritanomaly**

243, 86, 159

# Monochromacy



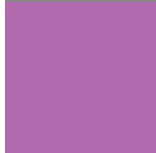
**Original Color**

252, 54, 241



**Achromatopsia**

135, 135, 135



**Achromatomaly**

178, 106, 174

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 252, 54, 241 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(252, 54, 241) looks like.

```
.text, #text, p{  
    color:rgb(252, 54, 241)  
}
```

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(252, 54, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 54, 241) }
```

## Border

The CSS property to change the border of an element to RYB 252, 54, 241 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(252, 54, 241) }
```

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

```
.border{ border-color:rgb(252, 54, 241) }
```

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

Here you see how a box with a 4 pixel rgb(252, 54, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 54, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 54, 241);  
box-shadow:4px 4px 4px 4px rgb(252, 54,  
241) }
```

# Background

The CSS property to change the background color of an element to RGB 252, 54, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 54, 241) }
```

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

```
.background{ background-color: rgb(252, 54,  
241) }
```

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