

Converting Colors

`RYB(255, 41, 170)`

Have a look what the booklet for
RYB(255, 41, 170) contains.

RYB(255, 41, 170)	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, 41, 170)

Conversions

Conversions Part 1

Format	Color
Hex	FF29AA
RGB	255, 41, 170
RGB Percent	100%, 16%, 67%
CMY	0.0000, 0.8392, 0.3333
CMYK	0.00, 0.84, 0.33, 0.00
HSL	324°, 100%, 58%
HSV	324°, 84%, 100%
XYZ	49.2886, 25.7482, 40.4023
YIQ	119.6920, 86.1350, 85.4870

Conversions

Conversions Part 2

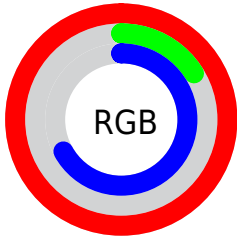
Format	Color
R_{YB}	255, 41, 170
Decimal	16722346
CIE _{Lab}	57.80, 83.61, -16.48
CIE _{LCh}	58, 85.221, 348.849
Yxy	25.7482, 0.4270, 0.2230
Android (android.graphics.Color)	4294912426 (0xFFFF29AA)
YUV	119.6920, 24.8018, 118.6651
Hunter-Lab	50.7426, 84.5856, -11.6880

Details

The RYB color **255, 41, 170** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **41, 194, 255**, and the grayscale version is **119, 119, 119**.

A 20% lighter version of the original color is **255, 114, 225**, and **193, 0, 118** is the 20% darker color. If you saturate the color by 10%, you get **255, 16, 160**, and if you desaturate by 10%, it is **255, 66, 180**.

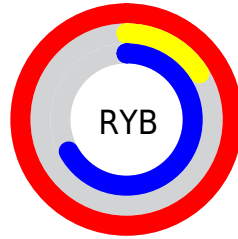
Distribution



Red (100%)

Green (16%)

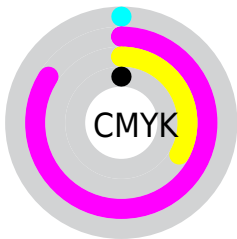
Blue (67%)



Red (100%)

Yellow (16%)

Blue (67%)

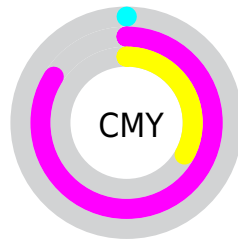


Cyan (0%)

Magenta (84%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (84%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 41, 170 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, 41, 170 by changing the saturation by 10% instead.

 255, 41, 170

 255, 41, 170

255, 255, 255

 224, 0, 143

 255, 114, 225

 193, 0, 118

 255, 145, 254

 162, 0, 93

 255, 175, 255

 132, 0, 69

 255, 206, 255

 102, 0, 47

 255, 236, 255

 74, 0, 26

 43, 0, 1

 0, 0, 0

 255, 41, 170

 255, 41, 170

■ 255, 16, 160

■ 255, 66, 180

■ 255, 0, 154

■ 255, 92, 190

■ 255, 118, 200

■ 255, 143, 211

■ 255, 169, 221

■ 255, 194, 231

■ 255, 220, 241

■ 255, 245, 251

255, 255, 255

Harmonies

Analogous

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



198, 92, 238



255, 41, 170



255, 40, 96

Triad

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



255, 41, 170



0, 150, 26



0, 101, 251

Complementary

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



255, 41, 170



41, 194, 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, 89, 185



255, 41, 170



0, 147, 163

Square

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



255, 41, 170



99, 191, 0



0, 103, 169



0, 97, 255

Rectangle

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



255, 41, 170



252, 76, 48



0, 103, 169



0, 98, 231

Sweetspot

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



255, 41, 170



255, 191, 230



123, 41, 255



128, 89, 112



0, 0, 0



128, 128, 128

Same Dimension

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



255, 41, 170



255, 0, 154



255, 41, 66



128, 115, 122



191, 0, 115



64, 0, 38

Inverse Universe

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



255, 41, 170



255, 0, 154



41, 155, 255



128, 115, 122



191, 0, 115



64, 0, 38

Previews

White Background



This preview shows how the RYB color 255, 41, 170 looks on a white background.

Color Contrast Check

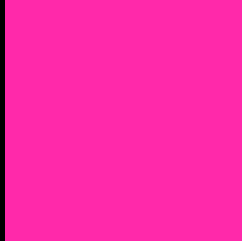
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41, 170 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 255, 41, 170 Background



This preview shows how black text looks on a background with the RYB color 255, 41, 170.



This preview shows how white text looks on a background with the RYB color 255, 41, 170.

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
255, 41, 170

Protanopia
98, 128, 235

Deuteranopia
143, 136, 159



Tritanopia
249, 75, 79

Trichromacy



Original Color
255, 41, 170



Protanomaly
155, 101, 211



Deuteranomaly
184, 101, 163



Tritanomaly
251, 63, 112

Monochromacy



Original Color
255, 41, 170



Achromatopsia
120, 120, 120



Achromatomaly
169, 91, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 41, 170 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, 41, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 170)  
}
```

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, 41, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 170) }
```

Border

The CSS property to change the border of an element to RYB 255, 41, 170 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, 41, 170) }
```

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

```
.border{ border-color:rgb(255, 41, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
170) }
```

Background

The CSS property to change the background color of an element to RGB 255, 41, 170 is called "background".

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

```
.background, #background, body{  
background: rgb(255, 41, 170) }
```

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

```
.background{ background-color: rgb(255, 41,  
170) }
```

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