

Converting Colors

`RYB(255, 18, 243)`

Have a look what the booklet for
RYB(255, 18, 243) contains.

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Color

R_YB(255, 18, 243)

Conversions

Conversions Part 1

Format	Color
Hex	FF12F3
RGB	255, 18, 243
RGB Percent	100%, 7%, 95%
CMY	0.0000, 0.9294, 0.0471
CMYK	0.00, 0.93, 0.05, 0.00
HSL	303°, 100%, 54%
HSV	303°, 93%, 100%
XYZ	57.6340, 28.1637, 87.1925
YIQ	114.5130, 69.0270, 120.2190

Conversions

Conversions Part 2

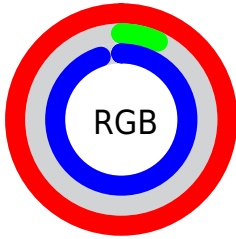
Format	Color
R_{YB}	255, 18, 243
Decimal	16716531
CIE _{Lab}	60.04, 95.46, -54.63
CIE _{LCh}	60, 109.987, 330.220
Yxy	28.1637, 0.3332, 0.1628
Android (android.graphics.Color)	4294906611 (0xFFFF12F3)
YUV	114.5130, 63.3441, 123.2071
Hunter-Lab	53.0695, 100.9812, -60.2642

Details

The RYB color **255, 18, 243** 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 **18, 244, 255**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **255, 108, 255**, and **193, 0, 186** is the 20% darker color. If you saturate the color by 10%, you get **255, 0, 242**, and if you desaturate by 10%, it is **255, 44, 244**.

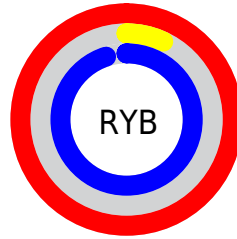
Distribution



Red (100%)

Green (7%)

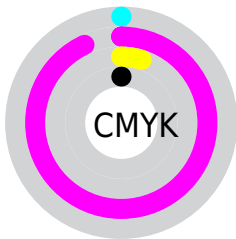
Blue (95%)



Red (100%)

Yellow (7%)

Blue (95%)

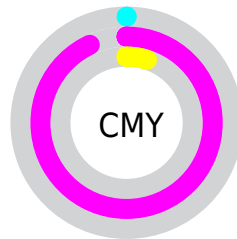


Cyan (0%)

Magenta (93%)

Yellow (5%)

Black (0%)



Cyan (0%)


















Magenta (93%)


Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the RYB color 255, 18, 243 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, 18, 243 by changing the saturation by 10% instead.


 255, 18, 243	 255, 18, 243
 255, 255, 255	 224, 0, 214
 255, 108, 255	 193, 0, 186
 255, 141, 255	 163, 0, 158
 255, 172, 255	 133, 0, 132
 255, 203, 255	 103, 0, 106
 255, 234, 255	 76, 0, 81
	 44, 0, 57
	 0, 0, 34
	 0, 0, 7

 255, 18, 243

 255, 18, 243

 255, 0, 242

 255, 44, 244

 255, 69, 246

 255, 95, 247

 255, 120, 248

 255, 146, 249

 255, 171, 251

 255, 197, 252

 255, 222, 253

 255, 248, 255

Harmonies

Analogous

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



114, 117, 255



255, 18, 243



255, 0, 149

Triad

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



255, 18, 243



41, 175, 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, 18, 243



18, 244, 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, 102, 182



255, 18, 243



0, 166, 96

Square

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



255, 18, 243



248, 157, 0



0, 152, 177



0, 105, 255

Rectangle

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



255, 18, 243



255, 0, 86



0, 152, 177



0, 98, 210

Sweetspot

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



255, 18, 243



255, 184, 251



30, 18, 255



128, 84, 125



0, 0, 0



128, 128, 128

Same Dimension

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



255, 18, 243



255, 0, 242



255, 18, 125



128, 115, 127



191, 0, 182



64, 0, 61

Inverse Universe

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



255, 18, 243



255, 0, 242



18, 171, 255



128, 115, 127



191, 0, 182



64, 0, 61

Previews

White Background



This preview shows how the RYB color 255, 18, 243 looks on a white background.

Color Contrast Check

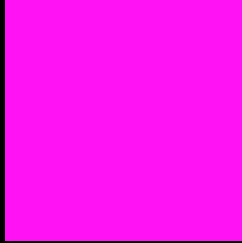
Large Text (above 18pt) WCAG AA ✓ Pass

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, 18, 243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

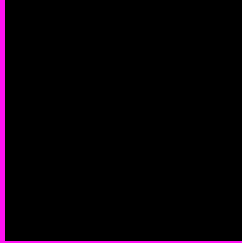
Any Text WCAG AA ✓ Pass

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](#).

R Y B 255, 18, 243 Background



This preview shows how black text looks on a background with the RYB color 255, 18, 243.



This preview shows how white text looks on a background with the RYB color 255, 18, 243.

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, 18, 243

Protanopia
91, 130, 255

Deuteranopia
99, 133, 228



Tritanopia
241, 96, 103

Trichromacy



Original Color

255, 18, 243



Protanomaly

151, 97, 251



Deuteranomaly

156, 99, 233



Tritanomaly

246, 68, 154

Monochromacy



Original Color

255, 18, 243



Achromatopsia

115, 115, 115



Achromatomaly

166, 80, 162

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 18, 243 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, 18, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 243)  
}
```

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, 18, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 243) }
```

Border

The CSS property to change the border of an element to RYB 255, 18, 243 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, 18, 243) }
```

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

```
.border{ border-color:rgb(255, 18, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
243) }
```

Background

The CSS property to change the background color of an element to RGB 255, 18, 243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 243) }
```

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

```
.background{ background-color: rgb(255, 18,  
243) }
```

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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