

Converting Colors

`RYB(255, 18, 236)`

Have a look what the booklet for
RYB(255, 18, 236) contains.

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Color

R_YB(255, 18, 236)

Conversions

Conversions Part 1

Format	Color
Hex	FF12EC
RGB	255, 18, 236
RGB Percent	100%, 7%, 93%
CMY	0.0000, 0.9294, 0.0745
CMYK	0.00, 0.93, 0.07, 0.00
HSL	305°, 100%, 54%
HSV	305°, 93%, 100%
XYZ	56.5966, 27.7487, 81.7299
YIQ	113.7150, 71.2740, 118.0420

Conversions

Conversions Part 2

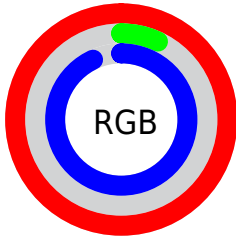
Format	Color
R _{YB}	255, 18, 236
Decimal	16716524
CIE _{Lab}	59.66, 94.52, -51.31
CIE _{LCh}	60, 107.554, 331.505
Yxy	27.7487, 0.3408, 0.1671
Android (android.graphics.Color)	4294906604 (0xFFFF12EC)
YUV	113.7150, 60.2865, 123.9069
Hunter-Lab	52.6771, 99.5968, -55.1161

Details

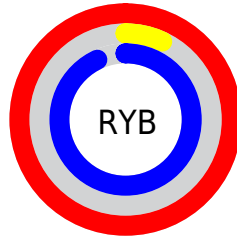
The RYB color **255, 18, 236** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **18, 237, 255**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **255, 108, 255**, and **193, 0, 179** is the 20% darker color. If you saturate the color by 10%, you get **255, 0, 235**, and if you desaturate by 10%, it is **255, 44, 238**.

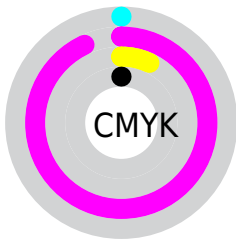
Distribution



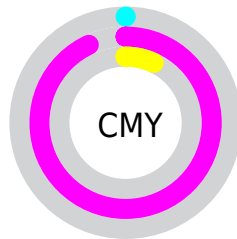
- Red (100%)
- Green (7%)
- Blue (93%)



- Red (100%)
- Yellow (7%)
- Blue (93%)



- Cyan (0%)
- Magenta (93%)
- Yellow (7%)
- Black (0%)



- Cyan (0%)
- Magenta (93%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 255, 18, 236 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, 236 by changing the saturation by 10% instead.



255, 18, 236



255, 18, 236

255, 255, 255



224, 0, 207



255, 108, 255



193, 0, 179



255, 140, 255



163, 0, 152



255, 172, 255



133, 0, 126



255, 203, 255



103, 0, 100



255, 234, 255



76, 0, 75



45, 0, 51




0, 0, 29




0, 0, 0


 255, 18, 236


 255, 18, 236

 255, 0, 235

 255, 44, 238

 255, 69, 240

 255, 95, 242

 255, 120, 244

 255, 146, 246

 255, 171, 248

 255, 197, 250

 255, 222, 252

 255, 248, 254

Harmonies

Analogous

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



125, 115, 255



255, 18, 236



255, 0, 144

Triad

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



255, 18, 236



35, 171, 0



0, 104, 242

Complementary

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



255, 18, 236



18, 237, 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, 99, 180



255, 18, 236



0, 165, 99

Square

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



255, 18, 236



243, 167, 0



0, 144, 176



0, 104, 255

Rectangle

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



255, 18, 236



255, 0, 82



0, 144, 176



0, 97, 211

Sweetspot

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



255, 18, 236



255, 184, 249



34, 18, 255



128, 84, 124



0, 0, 0



128, 128, 128

Same Dimension

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



255, 18, 236



255, 0, 235



255, 18, 121



128, 115, 126



191, 0, 176



64, 0, 59

Inverse Universe

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



255, 18, 236



255, 0, 235



18, 169, 255



128, 115, 126



191, 0, 176



64, 0, 59

Previews

White Background



This preview shows how the RYB color 255, 18, 236 looks on a white background.

Color Contrast Check

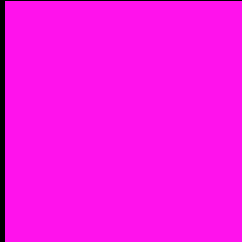
Large Text (above 18pt) WCAG AA ✓ Pass

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, 236 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, 18, 236 Background



This preview shows how black text looks on a background with the RGB color 255, 18, 236.

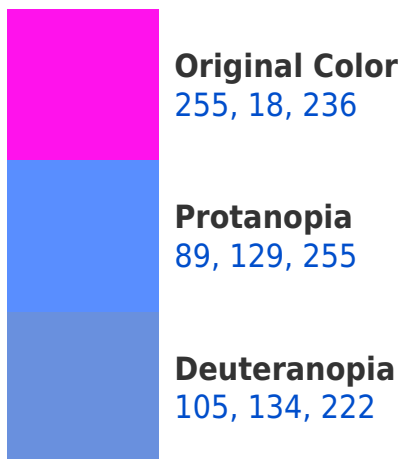


This preview shows how white text looks on a background with the RGB color 255, 18, 236.

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
242, 94, 100

Trichromacy



Original Color

255, 18, 236



Protanomaly

149, 96, 248



Deuteranomaly

160, 98, 227



Tritanomaly

247, 66, 149

Monochromacy



Original Color

255, 18, 236



Achromatopsia

114, 114, 114



Achromatomaly

165, 79, 158

CSS Examples

Text

The CSS property to change the color of the text to RYB 255, 18, 236 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 236) }
```

Border

The CSS property to change the border of an element to RYB 255, 18, 236 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, 236) }
```

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

```
.border{ border-color:rgb(255, 18, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
236) }
```

Background

The CSS property to change the background color of an element to RGB 255, 18, 236 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, 236) }
```

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

```
.background{ background-color: rgb(255, 18,  
236) }
```

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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