

Converting Colors

`RYB(246, 49, 246)`

Have a look what the booklet for RYB(246, 49, 246) contains.

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Color

R_YB(246, 49, 246)

Conversions

Conversions Part 1

Format	Color
Hex	F631F6
RGB	246, 49, 246
RGB Percent	96%, 19%, 96%
CMY	0.0353, 0.8078, 0.0353
CMYK	0.00, 0.80, 0.00, 0.04
HSL	300°, 92%, 58%
HSV	300°, 80%, 96%
XYZ	55.7389, 28.4433, 89.7411
YIQ	130.3610, 54.1750, 103.0310

Conversions

Conversions Part 2

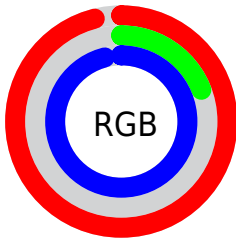
Format	Color
R _Y B	246, 49, 246
Decimal	16134646
CIE _{Lab}	60.29, 89.69, -55.99
CIE _{LCh}	60, 105.730, 328.026
Yxy	28.4433, 0.3205, 0.1635
Android (android.graphics.Color)	4294324726 (0xFFFF631F6)
YUV	130.3610, 57.0100, 101.4154
Hunter-Lab	53.3322, 93.2235, -62.4336

Details

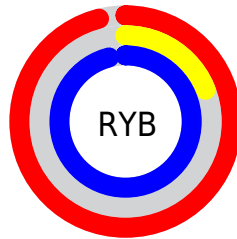
The RYB color **246, 49, 246** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **49, 246, 246**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **255, 120, 255**, and **185, 0, 189** is the 20% darker color. If you saturate the color by 10%, you get **246, 24, 246**, and if you desaturate by 10%, it is **246, 74, 246**.

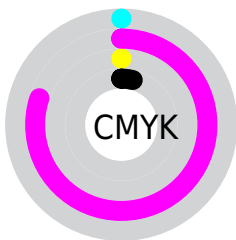
Distribution



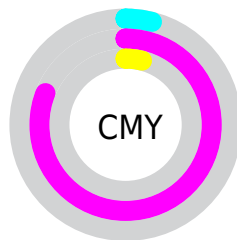
- Red (96%)
- Green (19%)
- Blue (96%)



- Red (96%)
- Yellow (19%)
- Blue (96%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (4%)



- Cyan (4%)
- Magenta (81%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 246, 49, 246 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 246, 49, 246 by changing the saturation by 10% instead.



246, 49, 246



246, 49, 246

255, 255, 255



215, 0, 217



255, 120, 255



185, 0, 189



255, 151, 255



155, 0, 161



255, 181, 255



126, 0, 134



255, 212, 255



96, 0, 108



255, 243, 255



69, 0, 83



38, 0, 59




0, 0, 36




0, 0, 12


 246, 49, 246


 246, 49, 246

 246, 24, 246

 246, 74, 246


 246, 0, 246

 246, 98, 246

 246, 123, 246

 246, 147, 246

 246, 172, 246

 246, 197, 246

 246, 221, 246

 246, 246, 246

 246, 255, 255

Harmonies

Analogous

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



100, 120, 255



246, 49, 246



255, 0, 156

Triad

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



246, 49, 246



55, 182, 0



0, 102, 232

Complementary

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



246, 49, 246



49, 246, 246

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, 181



246, 49, 246



0, 164, 77

Square

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



246, 49, 246



251, 153, 0



0, 154, 176



0, 105, 255

Rectangle

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



246, 49, 246



255, 0, 95



0, 154, 176



0, 96, 201

Sweetspot

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



246, 49, 246



255, 194, 255



49, 49, 246



128, 91, 128



0, 0, 0



128, 128, 128

Same Dimension

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



246, 49, 246



255, 10, 255



246, 49, 148



122, 110, 122



186, 0, 186



59, 0, 59

Inverse Universe

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



246, 49, 246



255, 10, 255



49, 180, 246



122, 110, 122



186, 0, 186



59, 0, 59

Previews

White Background



This preview shows how the RYB color 246, 49, 246 looks on a white background.

Color Contrast Check

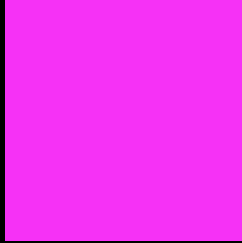
Large Text (above 18pt) WCAG AA ✓ Pass

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 246, 49, 246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

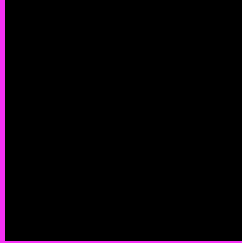
Any Text WCAG AA ✓ Pass

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 246, 49, 246 Background



This preview shows how black text looks on a background with the RYB color 246, 49, 246.

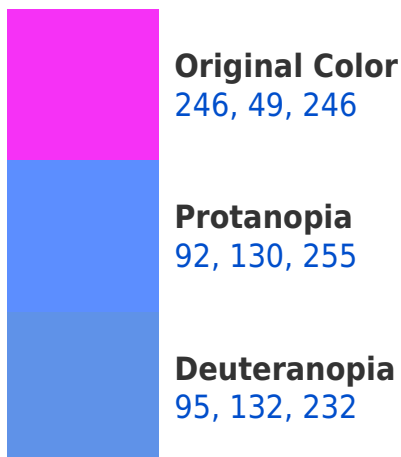



This preview shows how white text looks on a background with the RYB color 246, 49, 246.

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
231, 105, 112

Trichromacy



Original Color

246, 49, 246



Protanomaly

148, 108, 252



Deuteranomaly

150, 111, 237



Tritanomaly

236, 85, 161

Monochromacy



Original Color

246, 49, 246



Achromatopsia

130, 130, 130



Achromatomaly

172, 101, 172

CSS Examples

Text

The CSS property to change the color of the text to RYB 246, 49, 246 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(246, 49, 246)` looks like.

```
.text, #text, p{  
    color:rgb(246, 49, 246)  
}
```

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(246, 49, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 49, 246) }
```

Border

The CSS property to change the border of an element to RYB 246, 49, 246 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(246, 49, 246) }
```

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

```
.border{ border-color:rgb(246, 49, 246) }
```

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

Here you see how a box with a 4 pixel rgb(246, 49, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 49, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 49, 246);  
box-shadow:4px 4px 4px 4px rgb(246, 49,  
246) }
```

Background

The CSS property to change the background color of an element to RGB 246, 49, 246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 49, 246) }
```

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

```
.background{ background-color: rgb(246, 49,  
246) }
```

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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