

Converting Colors

`RYB(242, 97, 228)`

Have a look what the booklet for
RYB(242, 97, 228) contains.

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Color

RYB(242, 97, 228)

Conversions

Conversions Part 1

Format	Color
Hex	F261E4
RGB	242, 97, 228
RGB Percent	95%, 38%, 89%
CMY	0.0510, 0.6196, 0.1059
CMYK	0.00, 0.60, 0.06, 0.05
HSL	306°, 85%, 66%
HSV	306°, 60%, 95%
XYZ	54.8962, 33.0281, 76.8805
YIQ	155.2890, 44.3690, 71.4810

Conversions

Conversions Part 2

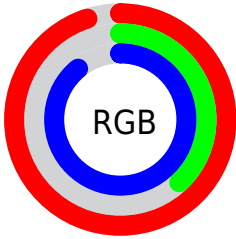
Format	Color
R _Y B	242, 97, 228
Decimal	15884772
CIE Lab	64.18, 70.78, -39.85
CIE LCh	64, 81.221, 330.621
Yxy	33.0281, 0.3331, 0.2004
Android (android.graphics.Color)	4294074852 (0xFFFF261E4)
YUV	155.2890, 35.8465, 76.0455
Hunter-Lab	57.4701, 69.9332, -39.0861

Details

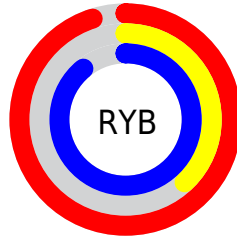
The RYB color **242, 97, 228** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **97, 229, 242**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **255, 155, 255**, and **183, 31, 172** is the 20% darker color. If you saturate the color by 10%, you get **242, 73, 226**, and if you desaturate by 10%, it is **242, 121, 230**.

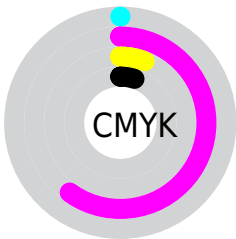
Distribution



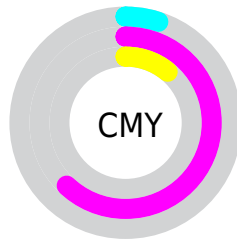
- Red (95%)
- Green (38%)
- Blue (89%)



- Red (95%)
- Yellow (38%)
- Blue (89%)



- Cyan (0%)
- Magenta (60%)
- Yellow (6%)
- Black (5%)



















- Cyan (5%)
- Magenta (62%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 97, 228 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 242, 97, 228 by changing the saturation by 10% instead.

 242, 97, 228	 242, 97, 228
 255, 255, 255	 212, 67, 200
 255, 155, 255	 183, 31, 172
 255, 184, 255	 154, 0, 145
 255, 213, 255	 125, 0, 119
 255, 243, 255	 97, 0, 94
	 70, 0, 70
	 43, 0, 46
	 0, 0, 24
	 0, 0, 0

 242, 97, 228

 242, 97, 228


 242, 73, 226

 242, 121, 230

 242, 49, 223

 242, 145, 233

 242, 24, 221

 242, 170, 235

 242, 0, 219

 242, 194, 237

 242, 218, 240

 242, 242, 242

 242, 253, 255

 242, 251, 255

 242, 250, 255

Harmonies

Analogous

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



151, 135, 255



242, 97, 228



255, 70, 157

Triad

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



242, 97, 228



40, 186, 0



0, 103, 228

Complementary

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



242, 97, 228



97, 229, 242

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, 187



242, 97, 228



0, 172, 59

Square

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



242, 97, 228



239, 241, 4



0, 128, 183



0, 106, 255

Rectangle

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



242, 97, 228



255, 77, 109



0, 128, 183



0, 98, 205

Sweetspot

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



242, 97, 228



255, 209, 251



109, 97, 242



128, 99, 125



0, 0, 0



128, 128, 128

Same Dimension

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



242, 97, 228



255, 71, 237



242, 97, 157



120, 108, 119



184, 0, 166



56, 0, 51

Inverse Universe

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



242, 97, 228



255, 71, 237



97, 188, 242



120, 108, 119



184, 0, 166



56, 0, 51

Previews

White Background



This preview shows how the RYB color 242, 97, 228 looks on a white background.

Color Contrast Check

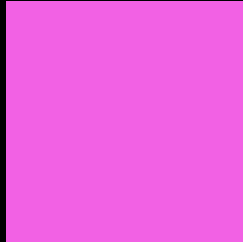
Large Text (above 18pt) WCAG AA × Fail

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 242, 97, 228 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 242, 97, 228 Background



This preview shows how black text looks on a background with the RYB color 242, 97, 228.

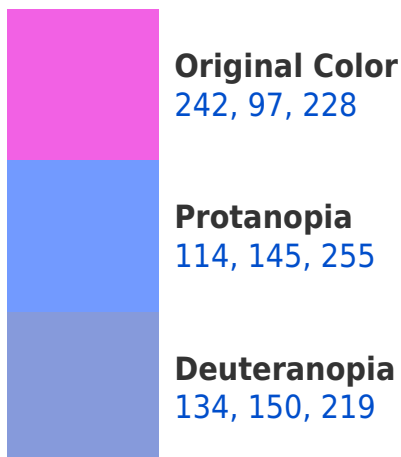


This preview shows how white text looks on a background with the RYB color 242, 97, 228.

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, 123, 132

Trichromacy



Original Color

242, 97, 228



Protanomaly

161, 133, 245



Deuteranomaly

173, 133, 222



Tritanomaly

235, 114, 167

Monochromacy



Original Color

242, 97, 228



Achromatopsia

155, 155, 155



Achromatomaly

187, 134, 182

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 97, 228 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(242, 97, 228) looks like.

```
.text, #text, p{  
  color:rgb(242, 97, 228)  
}
```

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(242, 97, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 97, 228) }
```

Border

The CSS property to change the border of an element to RYB 242, 97, 228 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(242, 97, 228) }
```

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

```
.border{ border-color:rgb(242, 97, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 97, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 97, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 97, 228);  
box-shadow:4px 4px 4px 4px rgb(242, 97,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 242, 97, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 97, 228) }
```

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

```
.background{ background-color: rgb(242, 97,  
228) }
```

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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