

Converting Colors

`RYB(242, 118, 221)`

Have a look what the booklet for
RYB(242, 118, 221) contains.

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Color

`RYB(242, 118, 221)`

Conversions

Conversions Part 1

Format	Color
Hex	F276DD
RGB	242, 118, 221
RGB Percent	95%, 46%, 87%
CMY	0.0510, 0.5373, 0.1333
CMYK	0.00, 0.51, 0.09, 0.05
HSL	310°, 83%, 71%
HSV	310°, 51%, 95%
XYZ	56.1475, 37.0546, 72.5996
YIQ	166.8180, 40.8410, 58.3210

Conversions

Conversions Part 2

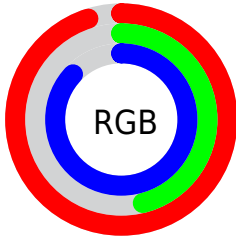
Format	Color
R _{YB}	242, 118, 221
Decimal	15890141
CIE _{Lab}	67.32, 60.41, -31.07
CIE _{LCh}	67, 67.929, 332.778
Yxy	37.0546, 0.3386, 0.2235
Android (android.graphics.Color)	4294080221 (0xFFFF276DD)
YUV	166.8180, 26.7117, 65.9346
Hunter-Lab	60.8725, 58.1180, -28.1015

Details

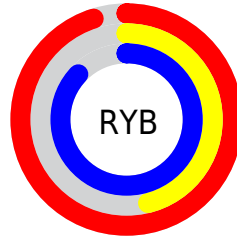
The RYB color **242, 118, 221** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **118, 224, 242**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **255, 174, 255**, and **183, 62, 166** is the 20% darker color. If you saturate the color by 10%, you get **242, 94, 217**, and if you desaturate by 10%, it is **242, 142, 225**.

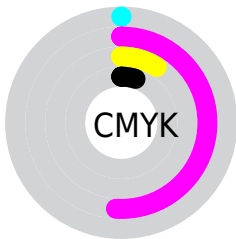
Distribution



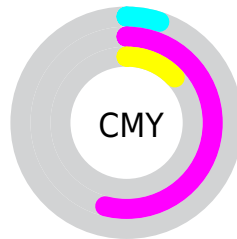
- Red (95%)
- Green (46%)
- Blue (87%)



- Red (95%)
- Yellow (46%)
- Blue (87%)



- Cyan (0%)
- Magenta (51%)
- Yellow (9%)
- Black (5%)





- Cyan (5%)
- Magenta (54%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 118, 221 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, 118, 221 by changing the saturation by 10% instead.

 242, 118, 221

 242, 118, 221

255, 255, 255

 212, 90, 193

 255, 174, 255

 183, 62, 166

 255, 203, 255

 155, 29, 139

 255, 232, 255

 127, 0, 113

 99, 0, 88

 72, 0, 65

 48, 0, 42

 4, 0, 20

 0, 0, 0

■ 242, 118, 221

■ 242, 118, 221

■ 242, 94, 217

■ 242, 142, 225

■ 242, 70, 213

■ 242, 166, 229

■ 242, 45, 209

■ 242, 191, 233

■ 242, 21, 205

■ 242, 215, 237

■ 242, 0, 201

■ 242, 239, 241

■ 242, 252, 255

■ 242, 250, 255

■ 242, 249, 255

■ 242, 249, 255

Harmonies

Analogous

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



172, 145, 255



242, 118, 221



255, 104, 161

Triad

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



242, 118, 221



49, 189, 18



0, 104, 229

Complementary

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



242, 118, 221



118, 224, 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, 103, 193



242, 118, 221



50, 179, 102

Square

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



242, 118, 221



238, 221, 51



0, 122, 189



0, 107, 255

Rectangle

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



242, 118, 221



255, 109, 120



0, 122, 189



0, 101, 210

Sweetspot

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



242, 118, 221



255, 217, 249



139, 118, 242



128, 105, 124



0, 0, 0



128, 128, 128

Same Dimension

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



242, 118, 221



255, 99, 229



242, 118, 159



120, 108, 118



184, 0, 153



56, 0, 47

Inverse Universe

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



242, 118, 221



255, 99, 229



118, 192, 242



120, 108, 118



184, 0, 153



56, 0, 47

Previews

White Background



This preview shows how the RYB color 242, 118, 221 looks on a white background.

Color Contrast Check

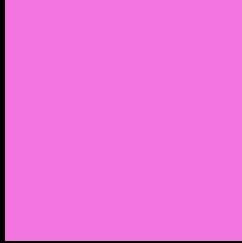
Large Text (above 18pt) WCAG AA × Fail

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, 118, 221 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, 118, 221 Background



This preview shows how black text looks on a background with the RYB color 242, 118, 221.

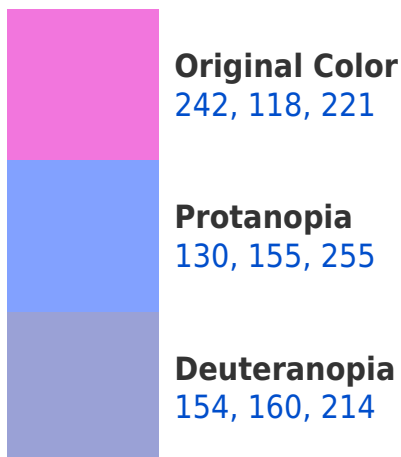



This preview shows how white text looks on a background with the RYB color 242, 118, 221.

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
234, 136, 146

Trichromacy



Original Color

242, 118, 221



Protanomaly

171, 145, 243



Deuteranomaly

186, 145, 217



Tritanomaly

237, 129, 173

Monochromacy



Original Color

242, 118, 221



Achromatopsia

167, 167, 167



Achromatomaly

194, 149, 187

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 118, 221 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, 118, 221)` looks like.

```
.text, #text, p{  
    color:rgb(242, 118, 221)  
}
```

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, 118, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 118, 221) }
```

Border

The CSS property to change the border of an element to RYB 242, 118, 221 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, 118, 221) }
```

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

```
.border{ border-color:rgb(242, 118, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 118, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 118, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 118, 221);  
box-shadow:4px 4px 4px 4px rgb(242, 118,  
221) }
```

Background

The CSS property to change the background color of an element to RGB 242, 118, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 118, 221) }
```

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

```
.background{ background-color: rgb(242,  
118, 221) }
```

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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