

Converting Colors

`RYB(242, 170, 248)`

Have a look what the booklet for
RYB(242, 170, 248) contains.

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Color

R_YB(242, 170, 248)

Conversions

Conversions Part 1

Format	Color
Hex	F2AAF8
RGB	242, 170, 248
RGB Percent	95%, 67%, 97%
CMY	0.0510, 0.3333, 0.0275
CMYK	0.02, 0.31, 0.00, 0.03
HSL	295°, 85%, 82%
HSV	295°, 31%, 97%
XYZ	67.9360, 54.4040, 95.7273
YIQ	200.4200, 17.8740, 39.5220

Conversions

Conversions Part 2

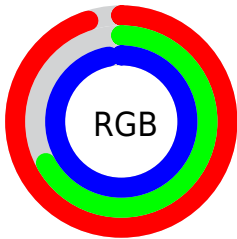
Format	Color
R_{YB}	242, 170, 248
Decimal	15903480
CIE _{Lab}	78.70, 38.88, -28.33
CIE _{LCh}	79, 48.101, 323.921
Yxy	54.4040, 0.3115, 0.2495
Android (android.graphics.Color)	4294093560 (0xFFFF2AAF8)
YUV	200.4200, 23.4569, 36.4657
Hunter-Lab	73.7591, 35.3294, -25.3175

Details

The RYB color **242, 170, 248** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **170, 248, 242**, and the grayscale version is **200, 200, 200**.

A 20% lighter version of the original color is **255, 226, 255**, and **185, 117, 191** is the 20% darker color. If you saturate the color by 10%, you get **240, 145, 248**, and if you desaturate by 10%, it is **244, 195, 248**.

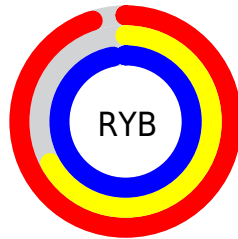
Distribution



Red (95%)

Green (67%)

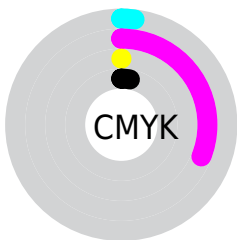
Blue (97%)



Red (95%)

Yellow (67%)

Blue (97%)

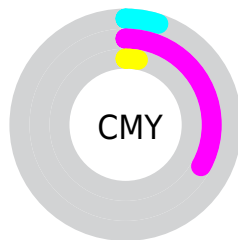


Cyan (2%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (5%)


Magenta (33%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the RYB color 242, 170, 248 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, 170, 248 by changing the saturation by 10% instead.

 242, 170, 248

255, 255, 255


 255, 226, 255

 242, 170, 248


 213, 143, 219

 185, 117, 191

 157, 91, 164

 130, 66, 138

 104, 41, 112

 79, 15, 87


 54, 0, 64

 34, 0, 42

 0, 1, 19

 242, 170, 248

 242, 170, 248

 240, 145, 248

 244, 195, 248

 238, 120, 248

 246, 220, 248

 236, 96, 248


 248, 244, 248

 234, 71, 248

 248, 255, 253

 232, 46, 248

 248, 255, 251

 231, 21, 248

 248, 255, 250

 229, 0, 248

 248, 255, 248

Harmonies

Analogous

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



185, 187, 255



242, 170, 248



255, 159, 206

Triad

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



242, 170, 248



168, 231, 105



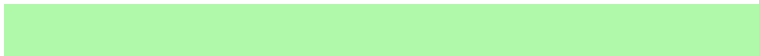
0, 112, 230

Complementary

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



242, 170, 248



170, 248, 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.



62, 150, 218



242, 170, 248



111, 203, 127

Square

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



242, 170, 248



255, 202, 124



134, 207, 213



0, 116, 255

Rectangle

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



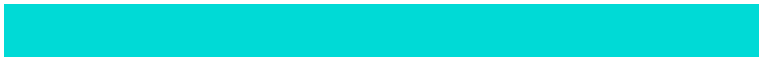
242, 170, 248



255, 159, 175



134, 207, 213



0, 110, 218

Sweetspot

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



242, 170, 248



253, 232, 255



170, 176, 248



126, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



242, 170, 248



248, 158, 255



248, 170, 215



124, 112, 125



174, 0, 189



56, 0, 61

Inverse Universe

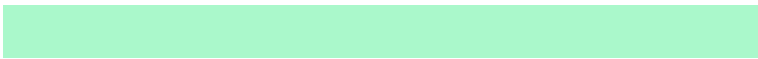
The Inverse Universe completely reimagines the original color for something new.



248, 170, 176



255, 158, 166



170, 225, 248



125, 112, 113



189, 0, 15



61, 0, 5

Previews

White Background



This preview shows how the RYB color 242, 170, 248 looks on a white background.

Color Contrast Check

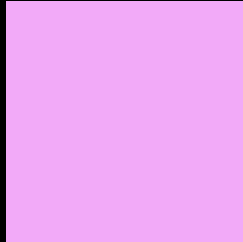
Large Text (above 18pt) WCAG AA × Fail

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, 170, 248 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, 170, 248 Background



This preview shows how black text looks on a background with the RYB color 242, 170, 248.

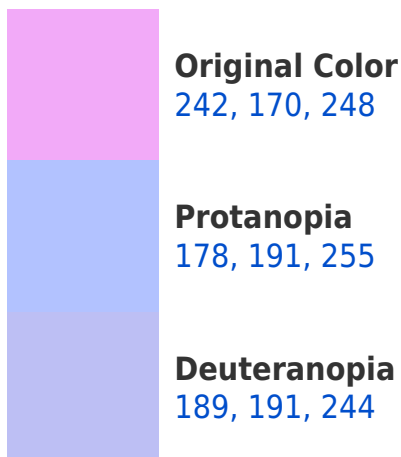



This preview shows how white text looks on a background with the RYB color 242, 170, 248.

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
235, 181, 194

Trichromacy



Original Color

242, 170, 248



Protanomaly

201, 185, 252



Deuteranomaly

208, 183, 245



Tritanomaly

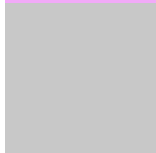
238, 177, 214

Monochromacy



Original Color

242, 170, 248



Achromatopsia

200, 200, 200



Achromatomaly

215, 189, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 170, 248 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, 170, 248) looks like.

```
.text, #text, p{  
    color:rgb(242, 170, 248)  
}
```

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, 170, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 170, 248) }
```

Border

The CSS property to change the border of an element to RYB 242, 170, 248 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, 170, 248) }
```

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

```
.border{ border-color:rgb(242, 170, 248) }
```

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

Here you see how a box with a 4 pixel rgb(242, 170, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 170, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 170, 248);  
box-shadow:4px 4px 4px 4px rgb(242, 170,  
248) }
```

Background

The CSS property to change the background color of an element to RGB 242, 170, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 170, 248) }
```

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

```
.background{ background-color: rgb(242,  
170, 248) }
```

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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