

Converting Colors

`RYB(242, 190, 255)`

Have a look what the booklet for
RYB(242, 190, 255) contains.

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Color

R_YB(242, 190, 255)

Conversions

Conversions Part 1

Format	Color
Hex	F2BEFF
RGB	242, 190, 255
RGB Percent	95%, 75%, 100%
CMY	0.0510, 0.2549, 0.0000
CMYK	0.05, 0.25, 0.00, 0.00
HSL	288°, 100%, 87%
HSV	288°, 25%, 100%
XYZ	73.0814, 62.9242, 102.9015
YIQ	212.9580, 10.1270, 31.2390

Conversions

Conversions Part 2

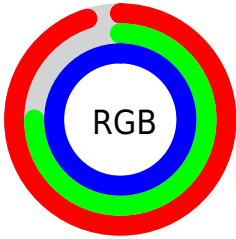
Format	Color
R _Y B	242, 190, 255
Decimal	15908607
CIE Lab	83.40, 29.61, -24.88
CIE LCh	83, 38.675, 319.951
Yxy	62.9242, 0.3059, 0.2634
Android (android.graphics.Color)	4294098687 (0xFFFF2BEFF)
YUV	212.9580, 20.7267, 25.4698
Hunter-Lab	79.3247, 25.6326, -21.3847

Details

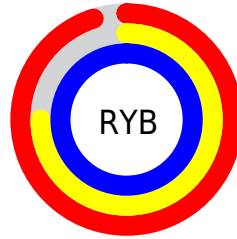
The RYB color **242, 190, 255** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **190, 255, 242**, and the grayscale version is **213, 213, 213**.

A 20% lighter version of the original color is **255, 247, 255**, and **185, 136, 198** is the 20% darker color. If you saturate the color by 10%, you get **237, 165, 255**, and if you desaturate by 10%, it is **247, 216, 255**.

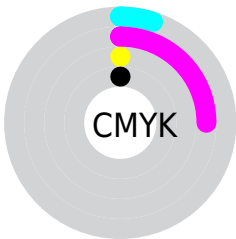
Distribution



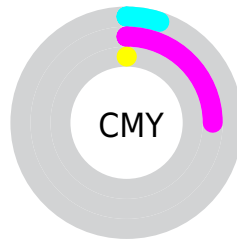
- Red (95%)
- Green (75%)
- Blue (100%)



- Red (95%)
- Yellow (75%)
- Blue (100%)



- Cyan (5%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 190, 255 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, 190, 255 by changing the saturation by 10% instead.

 242, 190, 255

255, 255, 255


 255, 247, 255

 242, 190, 255


 213, 163, 226


 185, 136, 198

 158, 110, 171

 131, 85, 144

 105, 61, 118

 80, 38, 93

 56, 15, 70

 35, 0, 47

 0, 0, 25

■ 242, 190, 255

■ 242, 190, 255

■ 237, 165, 255

■ 247, 216, 255

■ 232, 139, 255

■ 252, 241, 255

■ 227, 114, 255

255, 255, 255

■ 222, 88, 255

■ 217, 63, 255

■ 211, 37, 255

■ 206, 12, 255

■ 204, 0, 255

Harmonies

Analogous

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



195, 202, 255



242, 190, 255



255, 181, 222

Triad

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



242, 190, 255



207, 244, 136



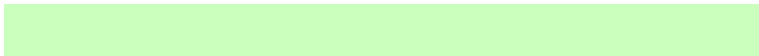
85, 157, 231

Complementary

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



242, 190, 255



190, 255, 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.



122, 184, 227



242, 190, 255



138, 213, 143

Square

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



242, 190, 255



255, 208, 154



160, 222, 216



90, 164, 255

Rectangle

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



242, 190, 255



255, 180, 197



160, 222, 216



95, 164, 228

Sweetspot

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



242, 190, 255



251, 235, 255



190, 201, 255



125, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



242, 190, 255



239, 176, 255



255, 190, 236



125, 115, 128



153, 0, 191



51, 0, 64

Inverse Universe

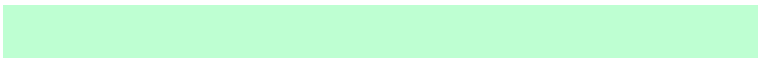
The Inverse Universe completely reimagines the original color for something new.



255, 190, 203



255, 176, 192



190, 240, 255



128, 115, 117



191, 0, 38



64, 0, 13

Previews

White Background



This preview shows how the RYB color 242, 190, 255 looks on a white background.

Color Contrast Check

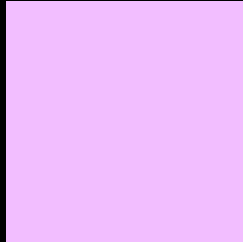
Large Text (above 18pt) WCAG AA × Fail

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, 190, 255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

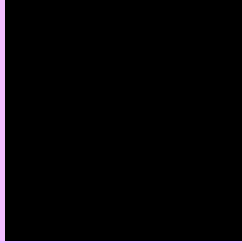
Any Text WCAG AA ✓ Pass

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, 190, 255 Background



This preview shows how black text looks on a background with the RYB color 242, 190, 255.

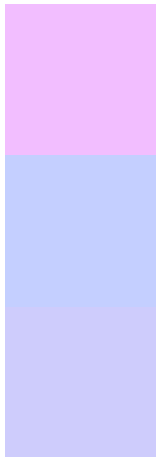


This preview shows how white text looks on a background with the RYB color 242, 190, 255.

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



Original Color
242, 190, 255

Protanopia
196, 205, 255

Deuteranopia
206, 204, 252



Tritanopia
236, 198, 213

Trichromacy



Original Color

242, 190, 255



Protanomaly

213, 200, 255



Deuteranomaly

219, 199, 253



Tritanomaly

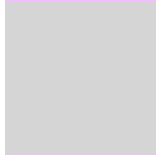
238, 195, 228

Monochromacy



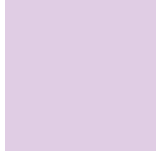
Original Color

242, 190, 255



Achromatopsia

213, 213, 213



Achromatomaly

224, 205, 228

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 190, 255 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, 190, 255) looks like.

```
.text, #text, p{  
    color:rgb(242, 190, 255)  
}
```

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, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 190, 255) }
```

Border

The CSS property to change the border of an element to RYB 242, 190, 255 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, 190, 255) }
```

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

```
.border{ border-color:rgb(242, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 190,  
255) }
```

Background

The CSS property to change the background color of an element to RYB 242, 190, 255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 190, 255) }
```

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

```
.background{ background-color: rgb(242,  
190, 255) }
```

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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