

Converting Colors

`RYB(242, 176, 230)`

Have a look what the booklet for
RYB(242, 176, 230) contains.

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Color

R_YB(242, 176, 230)

Conversions

Conversions Part 1

Format	Color
Hex	F2B0E6
RGB	242, 176, 230
RGB Percent	95%, 69%, 90%
CMY	0.0510, 0.3098, 0.0980
CMYK	0.00, 0.27, 0.05, 0.05
HSL	311°, 72%, 82%
HSV	311°, 27%, 95%
XYZ	66.4262, 55.6411, 82.1017
YIQ	201.8900, 22.0020, 30.7860

Conversions

Conversions Part 2

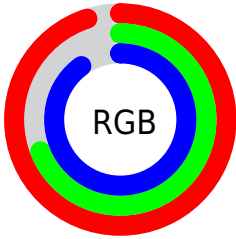
Format	Color
R_{YB}	242, 176, 230
Decimal	15904998
CIE _{Lab}	79.41, 32.47, -17.54
CIE _{LCh}	79, 36.903, 331.623
Yxy	55.6411, 0.3253, 0.2725
Android (android.graphics.Color)	4294095078 (0xFFFF2B0E6)
YUV	201.8900, 13.8582, 35.1765
Hunter-Lab	74.5930, 28.4194, -13.0432

Details

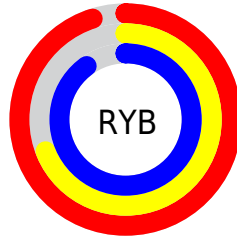
The RYB color **242, 176, 230** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **176, 232, 242**, and the grayscale version is **202, 202, 202**.

A 20% lighter version of the original color is **255, 232, 255**, and **185, 123, 174** is the 20% darker color. If you saturate the color by 10%, you get **242, 152, 226**, and if you desaturate by 10%, it is **242, 200, 234**.

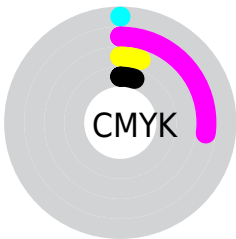
Distribution



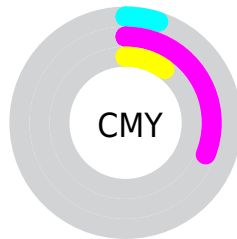
- Red (95%)
- Green (69%)
- Blue (90%)



- Red (95%)
- Yellow (69%)
- Blue (90%)



- Cyan (0%)
- Magenta (27%)
- Yellow (5%)
- Black (5%)




- Cyan (5%)
- Magenta (31%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the RYB color 242, 176, 230 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, 176, 230 by changing the saturation by 10% instead.

 242, 176, 230


255, 255, 255


 255, 232, 255

 242, 176, 230

 213, 149, 202

 185, 123, 174

 158, 97, 148

 131, 72, 122

 105, 48, 97

 80, 24, 73

 55, 0, 50

 36, 0, 30

 0, 0, 0

■ 242, 176, 230

■ 242, 176, 230

■ 242, 152, 226

■ 242, 200, 234

■ 242, 128, 221

■ 242, 224, 239

■ 242, 103, 217

■ 242, 248, 249

■ 242, 79, 212

■ 242, 251, 255

■ 242, 55, 208

■ 242, 249, 255

■ 242, 31, 204

■ 242, 249, 255

■ 242, 7, 199

■ 242, 0, 198

Harmonies

Analogous

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



204, 187, 255



242, 176, 230



255, 171, 196

Triad

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



242, 176, 230



159, 218, 128



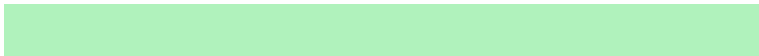
76, 149, 232

Complementary

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



242, 176, 230



176, 232, 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.



101, 163, 215



242, 176, 230



137, 205, 160

Square

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



242, 176, 230



247, 216, 137



141, 195, 212



101, 164, 255

Rectangle

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



242, 176, 230



255, 172, 173



141, 195, 212



80, 149, 221

Sweetspot

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



242, 176, 230



255, 235, 251



187, 176, 242



128, 115, 125



0, 0, 0



128, 128, 128

Same Dimension

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



242, 176, 230



255, 171, 240



242, 176, 198



120, 108, 118



184, 0, 150



56, 0, 46

Inverse Universe

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



242, 176, 230



255, 171, 240



176, 216, 242



120, 108, 118



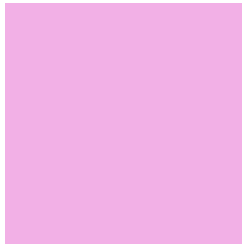
184, 0, 150



56, 0, 46

Previews

White Background



This preview shows how the RYB color 242, 176, 230 looks on a white background.

Color Contrast Check

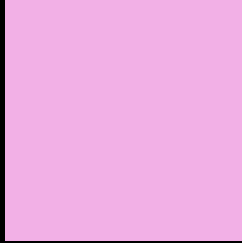
Large Text (above 18pt) WCAG AA × Fail

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, 176, 230 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](#).

RYP 242, 176, 230 Background



This preview shows how black text looks on a background with the RYP color 242, 176, 230.

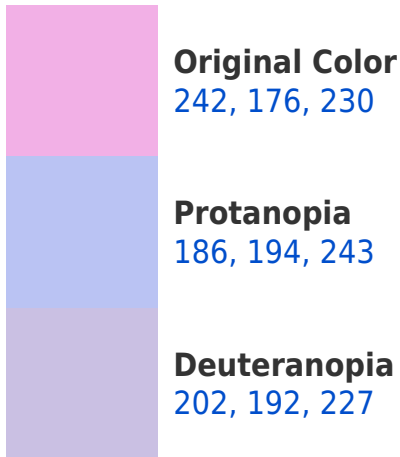



This preview shows how white text looks on a background with the RYP color 242, 176, 230.

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
238, 182, 196

Trichromacy



Original Color

242, 176, 230



Protanomaly

206, 188, 238



Deuteranomaly

217, 186, 228



Tritanomaly

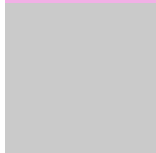
239, 180, 208

Monochromacy



Original Color

242, 176, 230



Achromatopsia

202, 202, 202



Achromatomaly

217, 193, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 176, 230 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, 176, 230) looks like.

```
.text, #text, p{  
    color:rgb(242, 176, 230)  
}
```

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, 176, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 176, 230) }
```

Border

The CSS property to change the border of an element to RYB 242, 176, 230 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, 176, 230) }
```

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

```
.border{ border-color:rgb(242, 176, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 176, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 176, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 176, 230);  
box-shadow:4px 4px 4px 4px rgb(242, 176,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 242, 176, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 176, 230) }
```

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

```
.background{ background-color: rgb(242,  
176, 230) }
```

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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