

Converting Colors

`RYB(242, 100, 223)`

Have a look what the booklet for
RYB(242, 100, 223) contains.

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Color

`RYB(242, 100, 223)`

Conversions

Conversions Part 1

Format	Color
Hex	F264DF
RGB	242, 100, 223
RGB Percent	95%, 39%, 87%
CMY	0.0510, 0.6078, 0.1255
CMYK	0.00, 0.59, 0.08, 0.05
HSL	308°, 85%, 67%
HSV	308°, 59%, 95%
XYZ	54.4944, 33.3193, 73.3711
YIQ	156.4800, 45.1490, 68.3570

Conversions

Conversions Part 2

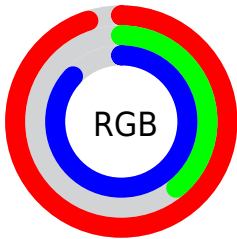
Format	Color
R _Y B	242, 100, 223
Decimal	15885535
CIE Lab	64.42, 68.74, -36.69
CIE LCh	64, 77.922, 331.911
Yxy	33.3193, 0.3381, 0.2067
Android (android.graphics.Color)	4294075615 (0xFFFF264DF)
YUV	156.4800, 32.7944, 75.0010
Hunter-Lab	57.7229, 67.5014, -34.9571

Details

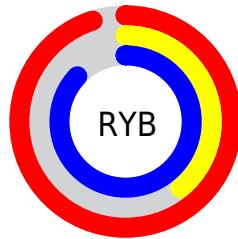
The RYB color **242, 100, 223** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **100, 225, 242**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **255, 157, 255**, and **183, 37, 167** is the 20% darker color. If you saturate the color by 10%, you get **242, 76, 220**, and if you desaturate by 10%, it is **242, 124, 226**.

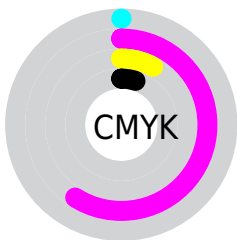
Distribution



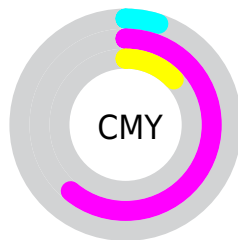
- Red (95%)
- Green (39%)
- Blue (87%)



- Red (95%)
- Yellow (39%)
- Blue (87%)



- Cyan (0%)
- Magenta (59%)
- Yellow (8%)
- Black (5%)





- Cyan (5%)
- Magenta (61%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 242, 100, 223 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, 100, 223 by changing the saturation by 10% instead.

 242, 100, 223

 242, 100, 223

255, 255, 255

 212, 70, 195

 255, 157, 255

 183, 37, 167

 255, 186, 255


 154, 0, 141

 255, 216, 255

 125, 0, 115

 255, 245, 255

 98, 0, 90

 71, 0, 66

 44, 0, 43

 0, 0, 21

 0, 0, 0

■ 242, 100, 223

■ 242, 100, 223

■ 242, 76, 220

■ 242, 124, 226

■ 242, 52, 217

■ 242, 148, 229

■ 242, 27, 213

■ 242, 173, 233

■ 242, 3, 210

■ 242, 197, 236

■ 242, 0, 210

■ 242, 221, 239

■ 242, 245, 245

■ 242, 252, 255

■ 242, 250, 255

■ 242, 249, 255

Harmonies

Analogous

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



158, 135, 255



242, 100, 223



255, 78, 155

Triad

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



242, 100, 223



33, 183, 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, 100, 223



100, 225, 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, 101, 187



242, 100, 223



0, 173, 60

Square

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



242, 100, 223



238, 238, 16



0, 124, 183



0, 106, 255

Rectangle

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



242, 100, 223



255, 85, 109



0, 124, 183



0, 98, 206

Sweetspot

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



242, 100, 223



255, 209, 249



119, 100, 242



128, 99, 124



0, 0, 0



128, 128, 128

Same Dimension

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



242, 100, 223



255, 77, 231



242, 100, 152



120, 108, 118



184, 0, 159



56, 0, 49

Inverse Universe

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



242, 100, 223



255, 77, 231



100, 187, 242



120, 108, 118



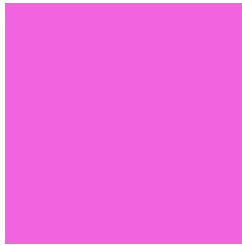
184, 0, 159



56, 0, 49

Previews

White Background



This preview shows how the RYB color 242, 100, 223 looks on a white background.

Color Contrast Check

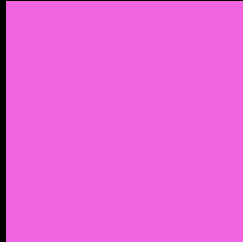
Large Text (above 18pt) WCAG AA × Fail

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, 100, 223 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](#).

R Y B 242, 100, 223 Background



This preview shows how black text looks on a background with the R Y B color 242, 100, 223.

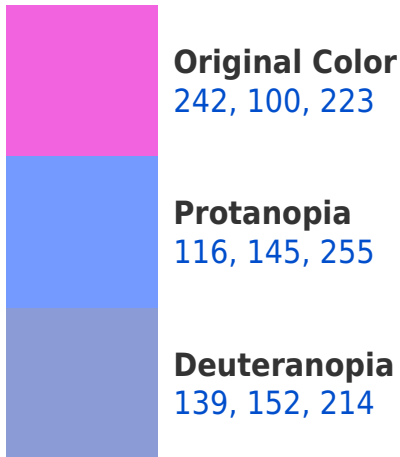



This preview shows how white text looks on a background with the R Y B color 242, 100, 223.

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
232, 124, 133

Trichromacy



Original Color

242, 100, 223



Protanomaly

162, 134, 243



Deuteranomaly

176, 134, 217



Tritanomaly

236, 115, 166

Monochromacy



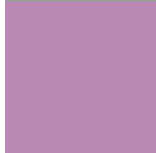
Original Color

242, 100, 223



Achromatopsia

156, 156, 156



Achromatomaly

187, 136, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 242, 100, 223 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, 100, 223) looks like.

```
.text, #text, p{  
    color:rgb(242, 100, 223)  
}
```

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, 100, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 100, 223) }
```

Border

The CSS property to change the border of an element to RYB 242, 100, 223 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, 100, 223) }
```

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

```
.border{ border-color:rgb(242, 100, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 100, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 100, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 100, 223); box-shadow:4px 4px 4px 4px rgb(242, 100, 223) }
```

Background

The CSS property to change the background color of an element to RYB 242, 100, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 100, 223) }
```

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

```
.background{ background-color: rgb(242,  
100, 223) }
```

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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