

Converting Colors

`RYB(230, 99, 242)`

Have a look what the booklet for RYB(230, 99, 242) contains.

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Color

R_YB(230, 99, 242)

Conversions

Conversions Part 1

Format	Color
Hex	E663F2
RGB	230, 99, 242
RGB Percent	90%, 39%, 95%
CMY	0.0980, 0.6118, 0.0510
CMYK	0.05, 0.59, 0.00, 0.05
HSL	295°, 85%, 67%
HSV	295°, 59%, 95%
XYZ	53.1220, 32.1575, 87.4116
YIQ	154.4710, 32.1730, 72.2450

Conversions

Conversions Part 2

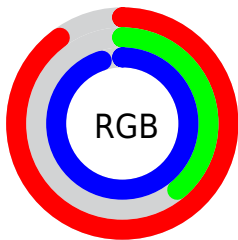
Format	Color
R _{YB}	230, 99, 242
Decimal	15098866
CIE _{Lab}	63.47, 69.30, -48.86
CIE _{LCh}	63, 84.795, 324.817
Yxy	32.1575, 0.3076, 0.1862
Android (android.graphics.Color)	4293288946 (0xFFE663F2)
YUV	154.4710, 43.1518, 66.2389
Hunter-Lab	56.7076, 67.9753, -51.6970

Details

The RYB color **230, 99, 242** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **99, 242, 230**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **255, 156, 255**, and **171, 36, 185** is the 20% darker color. If you saturate the color by 10%, you get **228, 75, 242**, and if you desaturate by 10%, it is **232, 123, 242**.

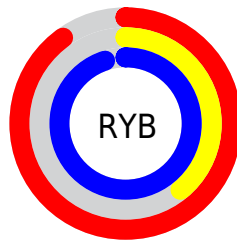
Distribution



Red (90%)

Green (39%)

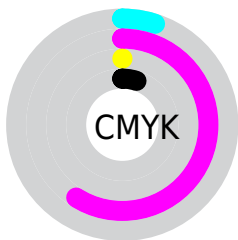
Blue (95%)



Red (90%)

Yellow (39%)

Blue (95%)

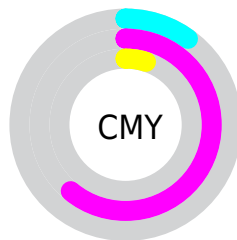


Cyan (5%)

Magenta (59%)

Yellow (0%)

Black (5%)



Cyan (10%)

















Magenta (61%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the RYB color 230, 99, 242 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 230, 99, 242 by changing the saturation by 10% instead.


 230, 99, 242	 230, 99, 242
 255, 255, 255	 200, 70, 213
 255, 156, 255	 171, 36, 185
 255, 185, 255	 143, 0, 158
 255, 214, 255	 114, 0, 131
 255, 244, 255	 86, 0, 105
	 60, 0, 81
	 32, 0, 57
	 0, 2, 34
	 0, 0, 8

 230, 99, 242

 230, 99, 242

 228, 75, 242

 232, 123, 242


 226, 51, 242

 234, 147, 242

 224, 26, 242

 236, 172, 242

 222, 2, 242

 238, 196, 242

 222, 0, 242

 240, 220, 242

 242, 244, 244

 242, 255, 253

 242, 255, 251

 242, 255, 249

Harmonies

Analogous

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



116, 136, 255



230, 99, 242



255, 61, 170

Triad

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



230, 99, 242



67, 196, 0



0, 100, 215

Complementary

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



230, 99, 242



99, 242, 230

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, 107, 186



230, 99, 242



0, 168, 43

Square

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



230, 99, 242



251, 181, 14



0, 136, 180



0, 106, 255

Rectangle

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



230, 99, 242



255, 62, 120



0, 136, 180



0, 94, 190

Sweetspot

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



230, 99, 242



251, 209, 255



99, 112, 242



125, 99, 128



0, 0, 0



128, 128, 128

Same Dimension

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



230, 99, 242



240, 74, 255



242, 99, 185



119, 108, 120



168, 0, 184



51, 0, 56

Inverse Universe

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



242, 99, 111



255, 74, 89



99, 201, 242



120, 108, 109



184, 0, 15



56, 0, 5

Previews

White Background



This preview shows how the RYB color 230, 99, 242 looks on a white background.

Color Contrast Check

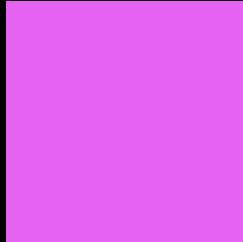
Large Text (above 18pt) WCAG AA × Fail

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 230, 99, 242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

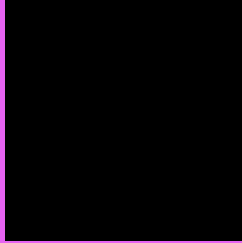
Any Text WCAG AA ✓ Pass

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 230, 99, 242 Background



This preview shows how black text looks on a background with the RYP color 230, 99, 242.

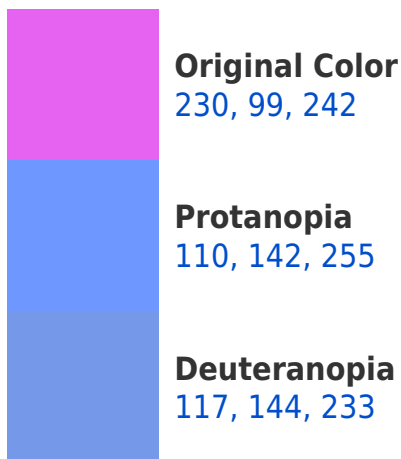


This preview shows how white text looks on a background with the RYP color 230, 99, 242.

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
217, 128, 137

Trichromacy



Original Color

230, 99, 242



Protanomaly

154, 132, 250



Deuteranomaly

158, 133, 236



Tritanomaly

222, 117, 175

Monochromacy



Original Color

230, 99, 242



Achromatopsia

154, 154, 154



Achromatomaly

182, 134, 186

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 99, 242 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(230, 99, 242)` looks like.

```
.text, #text, p{  
    color:rgb(230, 99, 242)  
}
```

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(230, 99, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 99, 242) }
```

Border

The CSS property to change the border of an element to RYB 230, 99, 242 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(230, 99, 242) }
```

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

```
.border{ border-color:rgb(230, 99, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 99, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 99, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 99, 242);  
box-shadow:4px 4px 4px 4px rgb(230, 99,  
242) }
```

Background

The CSS property to change the background color of an element to RGB 230, 99, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 99, 242) }
```

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

```
.background{ background-color: rgb(230, 99,  
242) }
```

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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