

Converting Colors

`RYB(230, 132, 245)`

Have a look what the booklet for
RYB(230, 132, 245) contains.

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Color

R_YB(230, 132, 245)

Conversions

Conversions Part 1

Format	Color
Hex	E684F5
RGB	230, 132, 245
RGB Percent	90%, 52%, 96%
CMY	0.0980, 0.4824, 0.0392
CMYK	0.06, 0.46, 0.00, 0.04
HSL	292°, 85%, 74%
HSV	292°, 46%, 96%
XYZ	57.3658, 39.9181, 91.0677
YIQ	174.1840, 22.1350, 55.9190

Conversions

Conversions Part 2

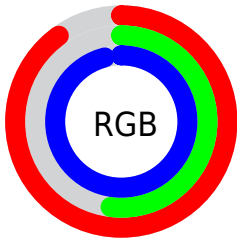
Format	Color
R _Y B	230, 132, 245
Decimal	15107317
CIE Lab	69.41, 54.40, -41.18
CIE LCh	69, 68.222, 322.875
Yxy	39.9181, 0.3046, 0.2119
Android (android.graphics.Color)	4293297397 (0xFFE684F5)
YUV	174.1840, 34.9123, 48.9506
Hunter-Lab	63.1808, 51.5051, -41.2330

Details

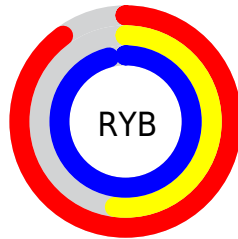
The RYB color **230, 132, 245** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **132, 245, 230**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **255, 188, 255**, and **172, 78, 188** is the 20% darker color. If you saturate the color by 10%, you get **227, 108, 245**, and if you desaturate by 10%, it is **233, 157, 245**.

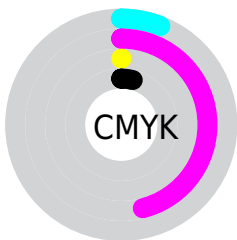
Distribution



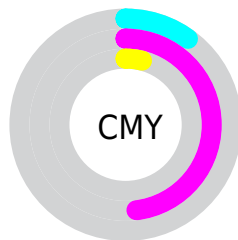
- Red (90%)
- Green (52%)
- Blue (96%)



- Red (90%)
- Yellow (52%)
- Blue (96%)



- Cyan (6%)
- Magenta (46%)
- Yellow (0%)
- Black (4%)





- Cyan (10%)
- Magenta (48%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the RYB color 230, 132, 245 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, 132, 245 by changing the saturation by 10% instead.

 230, 132, 245

 230, 132, 245

255, 255, 255

 201, 105, 216

 255, 188, 255

 172, 78, 188

 255, 216, 255


 144, 51, 161

 255, 245, 255

 117, 20, 134

 90, 0, 109

 64, 0, 84

 41, 0, 60

 0, 0, 37

 0, 1, 13

■ 230, 132, 245

■ 230, 132, 245

■ 227, 108, 245

■ 233, 157, 245

■ 223, 83, 245

■ 237, 181, 245

■ 220, 59, 245

■ 240, 206, 245

■ 217, 34, 245

■ 243, 230, 245

■ 214, 10, 245

■ 245, 255, 254

■ 212, 0, 245

■ 245, 255, 250

■ 245, 255, 247

■ 245, 255, 245

Harmonies

Analogous

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



142, 157, 255



230, 132, 245



255, 111, 187

Triad

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



230, 132, 245



104, 213, 31



0, 104, 216

Complementary

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



230, 132, 245



132, 245, 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, 112, 198



230, 132, 245



41, 180, 66

Square

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



230, 132, 245



255, 172, 71



73, 177, 192



0, 110, 255

Rectangle

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



230, 132, 245



255, 110, 145



73, 177, 192



0, 101, 199

Sweetspot

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



230, 132, 245



250, 219, 255



132, 145, 245



125, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



230, 132, 245



236, 115, 255



245, 132, 204



121, 110, 122



161, 0, 186



51, 0, 59

Inverse Universe

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



245, 132, 147



255, 115, 133



132, 215, 245



122, 110, 112



186, 0, 25



59, 0, 8

Previews

White Background



This preview shows how the RYB color 230, 132, 245 looks on a white background.

Color Contrast Check

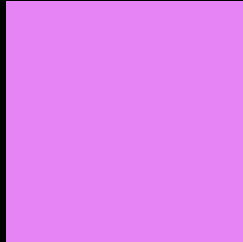
Large Text (above 18pt) WCAG AA × Fail

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, 132, 245 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, 132, 245 Background



This preview shows how black text looks on a background with the RYP color 230, 132, 245.

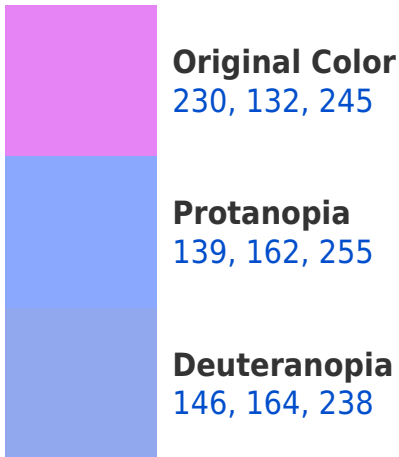



This preview shows how white text looks on a background with the RYP color 230, 132, 245.

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
219, 151, 163

Trichromacy



Original Color

230, 132, 245



Protanomaly

172, 154, 251



Deuteranomaly

177, 155, 241



Tritanomaly

223, 144, 193

Monochromacy



Original Color

230, 132, 245



Achromatopsia

174, 174, 174



Achromatomaly

194, 159, 200

CSS Examples

Text

The CSS property to change the color of the text to RYB 230, 132, 245 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, 132, 245) looks like.

```
.text, #text, p{  
    color:rgb(230, 132, 245)  
}
```

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, 132, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 132, 245) }
```

Border

The CSS property to change the border of an element to RYB 230, 132, 245 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, 132, 245) }
```

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

```
.border{ border-color:rgb(230, 132, 245) }
```

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

Here you see how a box with a 4 pixel rgb(230, 132, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 132, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 132, 245);  
box-shadow:4px 4px 4px 4px rgb(230, 132,  
245) }
```

Background

The CSS property to change the background color of an element to RGB 230, 132, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 132, 245) }
```

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

```
.background{ background-color: rgb(230,  
132, 245) }
```

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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