

Converting Colors

`RYB(232, 107, 230)`

Have a look what the booklet for
RYB(232, 107, 230) contains.

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Color

R_YB(232, 107, 230)

Conversions

Conversions Part 1

Format	Color
Hex	E86BE6
RGB	232, 107, 230
RGB Percent	91%, 42%, 90%
CMY	0.0902, 0.5804, 0.0980
CMYK	0.00, 0.54, 0.01, 0.09
HSL	301°, 73%, 66%
HSV	301°, 54%, 91%
XYZ	52.8193, 33.3844, 78.5229
YIQ	158.3970, 35.0170, 64.7530

Conversions

Conversions Part 2

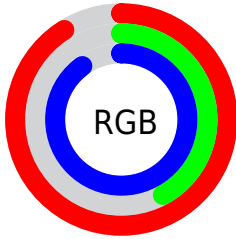
Format	Color
R _Y B	232, 107, 230
Decimal	15231974
CIE Lab	64.47, 64.22, -40.61
CIE LCh	64, 75.981, 327.692
Yxy	33.3844, 0.3206, 0.2027
Android (android.graphics.Color)	4293422054 (0xFFE86BE6)
YUV	158.3970, 35.3003, 64.5498
Hunter-Lab	57.7792, 62.0636, -40.1306

Details

The RYB color **232, 107, 230** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **107, 230, 232**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **255, 163, 255**, and **174, 49, 174** is the 20% darker color. If you saturate the color by 10%, you get **232, 84, 230**, and if you desaturate by 10%, it is **232, 130, 230**.

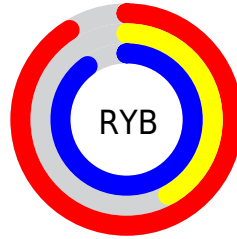
Distribution



Red (91%)

Green (42%)

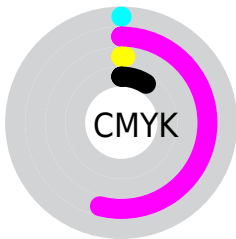
Blue (90%)



Red (91%)

Yellow (42%)

Blue (90%)

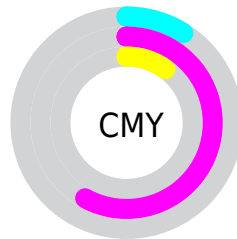


Cyan (0%)

Magenta (54%)

Yellow (1%)

Black (9%)



Cyan (9%)


Magenta (58%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the RYB color 232, 107, 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 232, 107, 230 by changing the saturation by 10% instead.

 232, 107, 230

 232, 107, 230

255, 255, 255

 203, 79, 202


 255, 163, 255

 174, 49, 174

 255, 192, 255

 145, 5, 147

 255, 221, 255

 117, 0, 121

 255, 251, 255


 90, 0, 96

 63, 0, 71

 37, 0, 48


 0, 1, 26

 0, 0, 0

 232, 107, 230

 232, 107, 230


 232, 84, 230

 232, 130, 230

 232, 61, 229

 232, 153, 231

 232, 37, 229

 232, 177, 231

 232, 14, 229

 232, 200, 231

 232, 0, 228

 232, 223, 232

 232, 246, 246

 232, 254, 255

Harmonies

Analogous

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



142, 141, 255



232, 107, 230



255, 83, 165

Triad

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



232, 107, 230



51, 192, 0



0, 101, 218

Complementary

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



232, 107, 230



107, 230, 232

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, 103, 186



232, 107, 230



0, 171, 45

Square

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



232, 107, 230



243, 192, 34



0, 127, 182



0, 106, 255

Rectangle

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



232, 107, 230



255, 86, 119



0, 127, 182



0, 96, 196

Sweetspot

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



232, 107, 230



255, 214, 254



107, 107, 232



128, 103, 127



0, 0, 0



128, 128, 128

Same Dimension

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



232, 107, 230



255, 89, 252



232, 107, 170



115, 103, 115



179, 0, 176



51, 0, 50

Inverse Universe

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



232, 107, 230



255, 89, 252



107, 190, 232



115, 103, 115



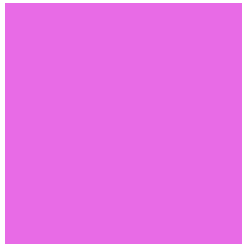
179, 0, 176



51, 0, 50

Previews

White Background



This preview shows how the RYB color 232, 107, 230 looks on a white background.

Color Contrast Check

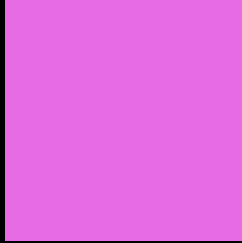
Large Text (above 18pt) WCAG AA × Fail

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 232, 107, 230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

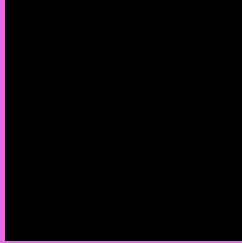
Any Text WCAG AA ✓ Pass

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](#).

RGB 232, 107, 230 Background



This preview shows how black text looks on a background with the RGB color 232, 107, 230.

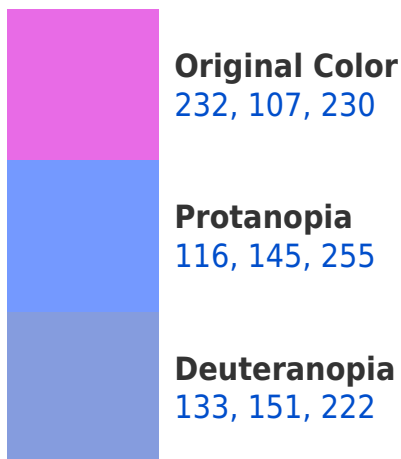


This preview shows how white text looks on a background with the RGB color 232, 107, 230.

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
221, 130, 140

Trichromacy



Original Color

232, 107, 230



Protanomaly

158, 136, 246



Deuteranomaly

169, 138, 225



Tritanomaly

225, 122, 173

Monochromacy



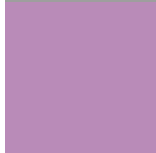
Original Color

232, 107, 230



Achromatopsia

158, 158, 158



Achromatomaly

185, 139, 184

CSS Examples

Text

The CSS property to change the color of the text to RYB 232, 107, 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(232, 107, 230)` looks like.

```
.text, #text, p{  
    color:rgb(232, 107, 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(232, 107, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 107, 230) }
```

Border

The CSS property to change the border of an element to RYB 232, 107, 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(232, 107, 230) }
```

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

```
.border{ border-color:rgb(232, 107, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 107, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 107, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 107, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 107,  
230) }
```

Background

The CSS property to change the background color of an element to RGB 232, 107, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 107, 230) }
```

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

```
.background{ background-color: rgb(232,  
107, 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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