

Converting Colors

`RYB(236, 96, 223)`

Have a look what the booklet for
RYB(236, 96, 223) contains.

RYB(236, 96, 223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(236, 96, 223)

Conversions

Conversions Part 1

Format	Color
Hex	EC60DF
RGB	236, 96, 223
RGB Percent	93%, 38%, 87%
CMY	0.0745, 0.6235, 0.1255
CMYK	0.00, 0.59, 0.06, 0.07
HSL	306°, 79%, 65%
HSV	306°, 59%, 93%
XYZ	52.0942, 31.5263, 73.1516
YIQ	152.3380, 42.6730, 69.1770

Conversions

Conversions Part 2

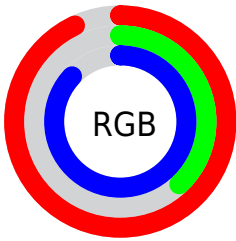
Format	Color
R _Y B	236, 96, 223
Decimal	15491295
CIE Lab	62.95, 68.89, -39.05
CIE LCh	63, 79.183, 330.454
Yxy	31.5263, 0.3323, 0.2011
Android (android.graphics.Color)	4293681375 (0xFFEC60DF)
YUV	152.3380, 34.8364, 73.3716
Hunter-Lab	56.1483, 67.3522, -37.9408

Details

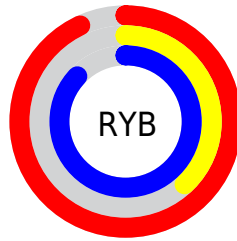
The RYB color **236, 96, 223** is a light color, and the websafe version is hex **FF66FF**. A complement of this color would be **96, 224, 236**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 153, 255**, and **177, 31, 167** is the 20% darker color. If you saturate the color by 10%, you get **236, 72, 221**, and if you desaturate by 10%, it is **236, 120, 225**.

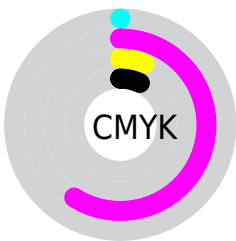
Distribution



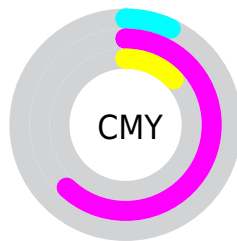
- Red (93%)
- Green (38%)
- Blue (87%)



- Red (93%)
- Yellow (38%)
- Blue (87%)



- Cyan (0%)
- Magenta (59%)
- Yellow (6%)
- Black (7%)


















- Cyan (7%)
- Magenta (62%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the RYB color 236, 96, 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 236, 96, 223 by changing the saturation by 10% instead.

 236, 96, 223	 236, 96, 223
255, 255, 255	 206, 66, 195
 255, 153, 255	 177, 31, 167
 255, 182, 255	 148, 0, 141
 255, 212, 255	 120, 0, 115
 255, 241, 255	 92, 0, 90
	 66, 0, 66
	 38, 0, 43
	 0, 1, 20
	 0, 0, 0


 236, 96, 223


 236, 96, 223


 236, 72, 221


 236, 120, 225


 236, 49, 219

 236, 143, 227

 236, 25, 216

 236, 167, 230

 236, 2, 214

 236, 190, 232

 236, 0, 214

 236, 214, 234

 236, 238, 238

 236, 253, 255

 236, 251, 255

 236, 250, 255

Harmonies

Analogous

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



147, 133, 255



236, 96, 223



255, 70, 154

Triad

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



236, 96, 223



39, 182, 0



0, 100, 222

Complementary

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



236, 96, 223



96, 224, 236

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, 100, 183



236, 96, 223



0, 168, 56

Square

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



236, 96, 223



236, 232, 8



0, 125, 179



0, 104, 255

Rectangle

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



236, 96, 223



255, 77, 108



0, 125, 179



0, 96, 200

Sweetspot

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



236, 96, 223



255, 209, 251



108, 96, 236



128, 99, 125



0, 0, 0



128, 128, 128

Same Dimension

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



236, 96, 223



255, 74, 238



236, 96, 154



117, 106, 116



181, 0, 164



54, 0, 49

Inverse Universe

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



236, 96, 223



255, 74, 238



96, 184, 236



117, 106, 116



181, 0, 164



54, 0, 49

Previews

White Background



This preview shows how the RYB color 236, 96, 223 looks on a white background.

Color Contrast Check

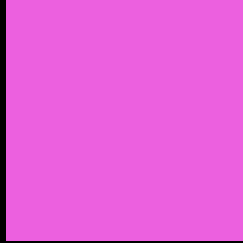
Large Text (above 18pt) WCAG AA × Fail

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 236, 96, 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](#).

RYB 236, 96, 223 Background



This preview shows how black text looks on a background with the RYB color 236, 96, 223.

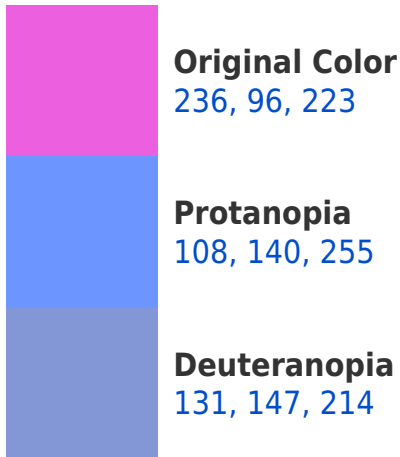



This preview shows how white text looks on a background with the RYB color 236, 96, 223.

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
226, 121, 130

Trichromacy



Original Color

236, 96, 223



Protanomaly

155, 130, 243



Deuteranomaly

169, 131, 217



Tritanomaly

230, 112, 164

Monochromacy



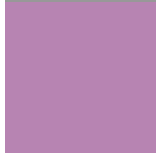
Original Color

236, 96, 223



Achromatopsia

152, 152, 152



Achromatomaly

183, 132, 178

CSS Examples

Text

The CSS property to change the color of the text to RYB 236, 96, 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(236, 96, 223) looks like.

```
.text, #text, p{  
    color:rgb(236, 96, 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(236, 96, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 96, 223) }
```

Border

The CSS property to change the border of an element to RYB 236, 96, 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(236, 96, 223) }
```

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

```
.border{ border-color:rgb(236, 96, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 96, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 96, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 96, 223);  
box-shadow:4px 4px 4px 4px rgb(236, 96,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 236, 96, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 96, 223) }
```

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

```
.background{ background-color: rgb(236, 96,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor