

Converting Colors

`RYB(228, 138, 223)`

Have a look what the booklet for
RYB(228, 138, 223) contains.

RYB(228, 138, 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

`RYB(228, 138, 223)`

Conversions

Conversions Part 1

Format	Color
Hex	E48ADF
RGB	228, 138, 223
RGB Percent	89%, 54%, 87%
CMY	0.1059, 0.4588, 0.1255
CMYK	0.00, 0.39, 0.02, 0.11
HSL	303°, 62%, 72%
HSV	303°, 39%, 89%
XYZ	54.4027, 39.9987, 74.6652
YIQ	174.6000, 26.3550, 45.5150

Conversions

Conversions Part 2

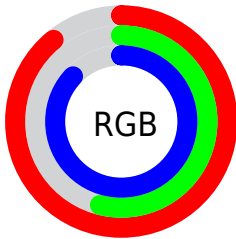
Format	Color
R _Y B	228, 138, 223
Decimal	14977759
CIE Lab	69.47, 46.74, -29.01
CIE LCh	69, 55.012, 328.178
Yxy	39.9987, 0.3218, 0.2366
Android (android.graphics.Color)	4293167839 (0xFFE48ADF)
YUV	174.6000, 23.8612, 46.8318
Hunter-Lab	63.2445, 42.8672, -25.7255

Details

The RYB color **228, 138, 223** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **138, 223, 228**, and the grayscale version is **174, 174, 174**.

A 20% lighter version of the original color is **255, 193, 255**, and **171, 85, 168** is the 20% darker color. If you saturate the color by 10%, you get **228, 115, 222**, and if you desaturate by 10%, it is **228, 161, 224**.

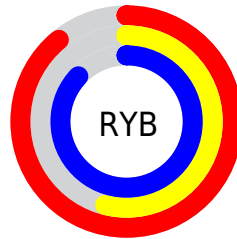
Distribution



Red (89%)

Green (54%)

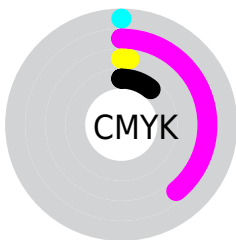
Blue (87%)



Red (89%)

Yellow (54%)

Blue (87%)

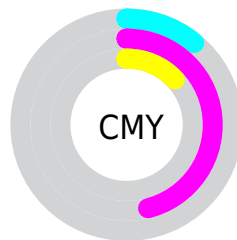


Cyan (0%)

Magenta (39%)

Yellow (2%)

Black (11%)



Cyan (11%)

Magenta (46%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the RYB color 228, 138, 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 228, 138, 223 by changing the saturation by 10% instead.


 228, 138, 223

 228, 138, 223


255, 255, 255

 199, 111, 195

 255, 193, 255

 171, 85, 168

 255, 222, 255

 143, 59, 141

 255, 251, 255

 116, 32, 115

 90, 0, 90

 64, 0, 66

 43, 0, 44

 0, 0, 22

 0, 0, 0

■ 228, 138, 223

■ 228, 138, 223

■ 228, 115, 222

■ 228, 161, 224

■ 228, 92, 220

■ 228, 184, 226

■ 228, 70, 219

■ 228, 206, 227

■ 228, 47, 218

■ 228, 229, 229

■ 228, 24, 217

■ 228, 251, 252

■ 228, 1, 215

■ 228, 252, 255

■ 228, 0, 215

■ 228, 252, 255

■ 228, 251, 255

■ 228, 250, 255

Harmonies

Analogous

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



167, 158, 255



228, 138, 223



255, 126, 175

Triad

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



228, 138, 223



112, 201, 65



0, 102, 215

Complementary

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



228, 138, 223



138, 223, 228

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, 105, 194



228, 138, 223



77, 181, 107

Square

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



228, 138, 223



239, 189, 85



86, 167, 190



0, 108, 254

Rectangle

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



228, 138, 223



255, 128, 141



86, 167, 190



0, 98, 199

Sweetspot

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



228, 138, 223



255, 224, 253



143, 138, 228



128, 110, 127



0, 0, 0



128, 128, 128

Same Dimension

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



228, 138, 223



255, 135, 248



228, 138, 178



115, 103, 114



179, 0, 169



51, 0, 48

Inverse Universe

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



228, 138, 223



255, 135, 248



138, 196, 228



115, 103, 114



179, 0, 169



51, 0, 48

Previews

White Background



This preview shows how the RYB color 228, 138, 223 looks on a white background.

Color Contrast Check

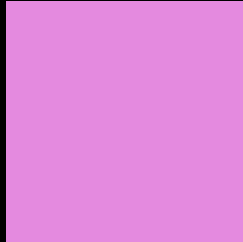
Large Text (above 18pt) WCAG AA × Fail

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 228, 138, 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](#).

RYP 228, 138, 223 Background



This preview shows how black text looks on a background with the RYB color 228, 138, 223.

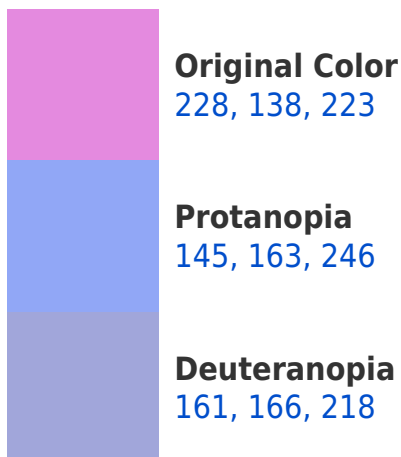



This preview shows how white text looks on a background with the RYB color 228, 138, 223.

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
220, 151, 162

Trichromacy



Original Color
228, 138, 223



Protanomaly
175, 156, 238



Deuteranomaly
185, 156, 220



Tritanomaly
223, 146, 184

Monochromacy



Original Color
228, 138, 223



Achromatopsia
175, 175, 175



Achromatomaly
194, 162, 192

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 138, 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(228, 138, 223) looks like.

```
.text, #text, p{  
    color:rgb(228, 138, 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(228, 138, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 138, 223) }
```

Border

The CSS property to change the border of an element to RYB 228, 138, 223 is called "border". The border property can be set on classes, ids or directly on the HTML element.

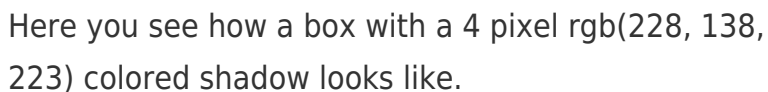
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 138, 223) }
```

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

```
.border{ border-color:rgb(228, 138, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 138, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 138, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 138, 223); box-shadow:4px 4px 4px 4px rgb(228, 138, 223) }
```

Background

The CSS property to change the background color of an element to RYB 228, 138, 223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 138, 223) }
```

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

```
.background{ background-color: rgb(228,  
138, 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