

Converting Colors

`RYB(233, 170, 238)`

Have a look what the booklet for
RYB(233, 170, 238) contains.

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Color

R_YB(233, 170, 238)

Conversions

Conversions Part 1

Format	Color
Hex	E9AAEE
RGB	233, 170, 238
RGB Percent	91%, 67%, 93%
CMY	0.0863, 0.3333, 0.0667
CMYK	0.02, 0.29, 0.00, 0.07
HSL	296°, 67%, 80%
HSV	296°, 29%, 93%
XYZ	63.4116, 52.2461, 87.6313
YIQ	196.5890, 15.7200, 34.5040

Conversions

Conversions Part 2

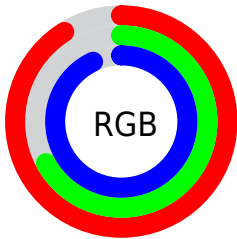
Format	Color
R _Y B	233, 170, 238
Decimal	15313646
CIE Lab	77.43, 34.19, -24.95
CIE LCh	77, 42.329, 323.878
Yxy	52.2461, 0.3119, 0.2570
Android (android.graphics.Color)	4293503726 (0xFFE9AAEE)
YUV	196.5890, 20.4156, 31.9324
Hunter-Lab	72.2815, 30.1031, -21.2839

Details

The RYB color **233, 170, 238** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 238, 233**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **255, 226, 255**, and **176, 117, 182** is the 20% darker color. If you saturate the color by 10%, you get **231, 146, 238**, and if you desaturate by 10%, it is **235, 194, 238**.

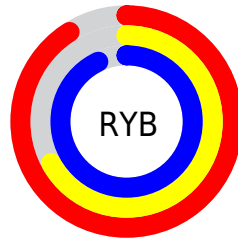
Distribution



Red (91%)

Green (67%)

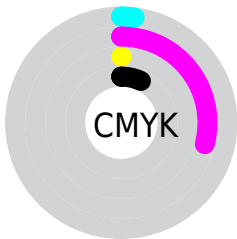
Blue (93%)



Red (91%)

Yellow (67%)

Blue (93%)

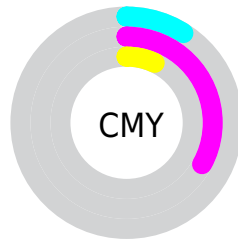


Cyan (2%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (9%)

Magenta (33%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the RYB color 233, 170, 238 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 233, 170, 238 by changing the saturation by 10% instead.

 233, 170, 238

 233, 170, 238

255, 255, 255

 204, 143, 210

 255, 226, 255

 176, 117, 182

 149, 92, 155

 123, 67, 129

 97, 43, 103

 72, 19, 79


 48, 0, 56

 27, 0, 34

 0, 0, 8

 233, 170, 238

 233, 170, 238

 231, 146, 238


 235, 194, 238

 229, 122, 238

 236, 218, 238

 228, 99, 238

 238, 241, 241

 226, 75, 238


 238, 255, 253

 224, 51, 238


 238, 255, 251

 222, 27, 238

 238, 255, 249

 221, 3, 238

 238, 255, 248

 220, 0, 238

 238, 255, 246

 238, 255, 244

Harmonies

Analogous

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



184, 184, 255



233, 170, 238



255, 161, 201

Triad

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



233, 170, 238



171, 224, 113



4, 110, 222

Complementary

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



233, 170, 238



170, 238, 233

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.



86, 158, 212



233, 170, 238



118, 199, 132

Square

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



233, 170, 238



253, 197, 129



139, 202, 207



38, 133, 254

Rectangle

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



233, 170, 238



255, 161, 174



139, 202, 207



40, 127, 212

Sweetspot

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



233, 170, 238



253, 232, 255



170, 176, 238



126, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



233, 170, 238



249, 168, 255



238, 170, 210



119, 108, 120



170, 0, 184



52, 0, 56

Inverse Universe

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



238, 170, 175



255, 168, 175



170, 218, 238



120, 108, 109



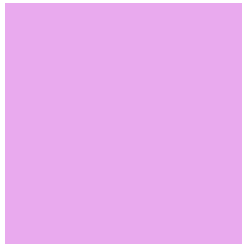
184, 0, 14



56, 0, 4

Previews

White Background



This preview shows how the RYB color 233, 170, 238 looks on a white background.

Color Contrast Check

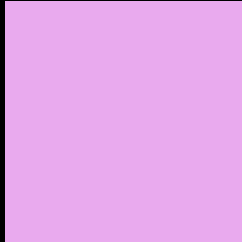
Large Text (above 18pt) WCAG AA × Fail

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 233, 170, 238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

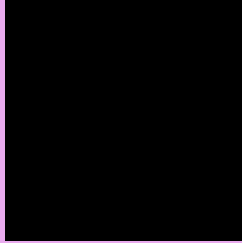
Any Text WCAG AA ✓ Pass

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 233, 170, 238 Background



This preview shows how black text looks on a background with the RYB color 233, 170, 238.

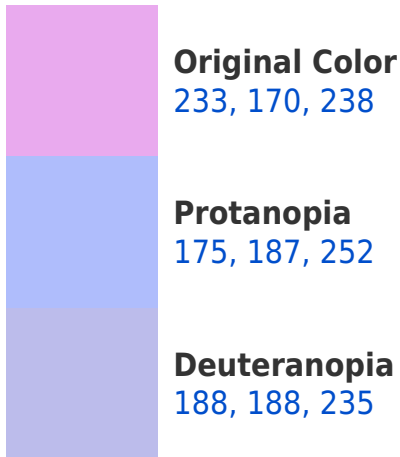


This preview shows how white text looks on a background with the RYB color 233, 170, 238.

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
227, 179, 193

Trichromacy



Original Color
233, 170, 238



Protanomaly
196, 182, 247



Deuteranomaly
204, 181, 236



Tritanomaly
229, 176, 209

Monochromacy



Original Color
233, 170, 238



Achromatopsia
197, 197, 197



Achromatomaly
210, 187, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 233, 170, 238 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(233, 170, 238) looks like.

```
.text, #text, p{  
    color:rgb(233, 170, 238)  
}
```

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(233, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 170, 238) }
```

Border

The CSS property to change the border of an element to RYB 233, 170, 238 is called "border". The border property can be set on classes, ids or directly on the HTML element.

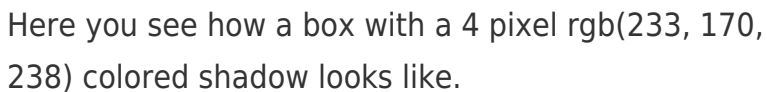
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(233, 170, 238) }
```

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

```
.border{ border-color:rgb(233, 170, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(233, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(233, 170, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(233, 170, 238); box-shadow:4px 4px 4px 4px rgb(233, 170, 238) }
```

Background

The CSS property to change the background color of an element to RGB 233, 170, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 170, 238) }
```

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

```
.background{ background-color: rgb(233,  
170, 238) }
```

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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