

Converting Colors

`RYB(234, 168, 238)`

Have a look what the booklet for
RYB(234, 168, 238) contains.

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Color

R_YB(234, 168, 238)

Conversions

Conversions Part 1

Format	Color
Hex	EAA8EE
RGB	234, 168, 238
RGB Percent	92%, 66%, 93%
CMY	0.0824, 0.3412, 0.0667
CMYK	0.02, 0.29, 0.00, 0.07
HSL	297°, 67%, 80%
HSV	297°, 29%, 93%
XYZ	63.3669, 51.6707, 87.5226
YIQ	195.7140, 16.8660, 35.7620

Conversions

Conversions Part 2

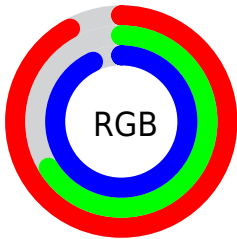
Format	Color
R_{YB}	234, 168, 238
Decimal	15378670
CIE _{Lab}	77.08, 35.57, -25.47
CIE _{LCh}	77, 43.751, 324.398
Yxy	51.6707, 0.3128, 0.2551
Android (android.graphics.Color)	4293568750 (0xFFEAA8EE)
YUV	195.7140, 20.8470, 33.5768
Hunter-Lab	71.8824, 31.5602, -21.8727

Details

The RYB color **234, 168, 238** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **168, 238, 234**, and the grayscale version is **196, 196, 196**.

A 20% lighter version of the original color is **255, 224, 255**, and **177, 115, 182** is the 20% darker color. If you saturate the color by 10%, you get **233, 144, 238**, and if you desaturate by 10%, it is **235, 192, 238**.

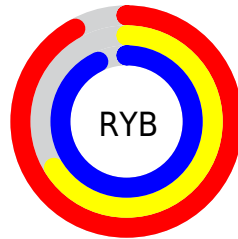
Distribution



Red (92%)

Green (66%)

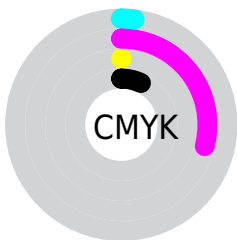
Blue (93%)



Red (92%)

Yellow (66%)

Blue (93%)

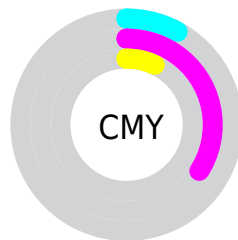


Cyan (2%)

Magenta (29%)

Yellow (0%)

Black (7%)



Cyan (8%)


Magenta (34%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 234, 168, 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 234, 168, 238 by changing the saturation by 10% instead.


 234, 168, 238

 234, 168, 238

255, 255, 255

 205, 141, 210

 255, 224, 255

 177, 115, 182

 255, 253, 255

 150, 90, 155

 123, 65, 129

 98, 41, 103

 72, 16, 79

 48, 0, 56

 27, 0, 34

 0, 0, 8

234, 168, 238

234, 168, 238

233, 144, 238

235, 192, 238

231, 120, 238

237, 216, 238

230, 97, 238

238, 239, 239

229, 73, 238

238, 255, 254

227, 49, 238

238, 255, 252

226, 25, 238

238, 255, 251

224, 1, 238

238, 255, 249

224, 0, 238

238, 255, 248

238, 255, 247

Harmonies

Analogous

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



184, 183, 255



234, 168, 238



255, 159, 200

Triad

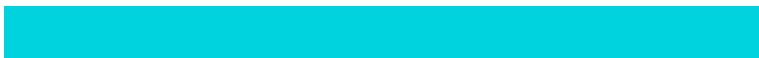
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



234, 168, 238



166, 223, 109



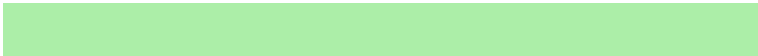
0, 108, 222

Complementary

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



234, 168, 238



168, 238, 234

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.



77, 152, 211



234, 168, 238



115, 198, 130

Square

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



234, 168, 238



254, 195, 126



135, 201, 207



5, 117, 255

Rectangle

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



234, 168, 238



255, 159, 172



135, 201, 207



9, 111, 212

Sweetspot

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



234, 168, 238



254, 232, 255



168, 173, 238



127, 113, 128



0, 0, 0



128, 128, 128

Same Dimension

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



234, 168, 238



250, 166, 255



238, 168, 208



119, 108, 120



173, 0, 184



53, 0, 56

Inverse Universe

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



238, 168, 172



255, 166, 171



168, 217, 238



120, 108, 109



184, 0, 10



56, 0, 3

Previews

White Background



This preview shows how the RYB color 234, 168, 238 looks on a white background.

Color Contrast Check

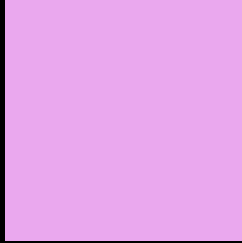
Large Text (above 18pt) WCAG AA × Fail

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 234, 168, 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 234, 168, 238 Background



This preview shows how black text looks on a background with the RYB color 234, 168, 238.



This preview shows how white text looks on a background with the RYB color 234, 168, 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



Original Color
234, 168, 238

Protanopia
173, 186, 253

Deuteranopia
187, 187, 234



Tritanopia
227, 177, 191

Trichromacy



Original Color

234, 168, 238



Protanomaly

195, 181, 248



Deuteranomaly

204, 180, 235



Tritanomaly

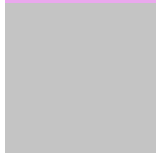
230, 174, 208

Monochromacy



Original Color

234, 168, 238



Achromatopsia

196, 196, 196



Achromatomaly

210, 186, 211

CSS Examples

Text

The CSS property to change the color of the text to RYB 234, 168, 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(234, 168, 238) looks like.

```
.text, #text, p{  
    color:rgb(234, 168, 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(234, 168, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 168, 238) }
```

Border

The CSS property to change the border of an element to RYB 234, 168, 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(234, 168, 238) }
```

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

```
.border{ border-color:rgb(234, 168, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 168, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 168, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 168, 238); box-shadow:4px 4px 4px 4px rgb(234, 168, 238) }
```

Background

The CSS property to change the background color of an element to RGB 234, 168, 238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 168, 238) }
```

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

```
.background{ background-color: rgb(234,  
168, 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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