

# Converting Colors

`RYB(234, 170, 238)`

Have a look what the booklet for RYB(234, 170, 238) contains.

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# Color

**R<sub>Y</sub>B(234, 170, 238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAAAEE
RGB	234, 170, 238
RGB Percent	92%, 67%, 93%
CMY	0.0824, 0.3333, 0.0667
CMYK	0.02, 0.29, 0.00, 0.07
HSL	296°, 67%, 80%
HSV	296°, 29%, 93%
XYZ	63.7390, 52.4149, 87.6466
YIQ	196.8880, 16.3160, 34.7160

# Conversions

## Conversions Part 2

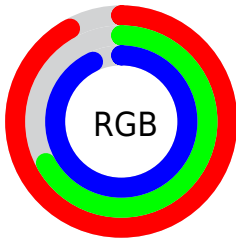
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 170, 238
Decimal	15379182
CIE <sub>Lab</sub>	77.53, 34.51, -24.79
CIE <sub>LCh</sub>	78, 42.491, 324.307
Yxy	52.4149, 0.3128, 0.2572
Android (android.graphics.Color)	4293569262 (0xFFEAAAE)
YUV	196.8880, 20.2682, 32.5472
Hunter-Lab	72.3982, 30.4539, -21.0989

# Details

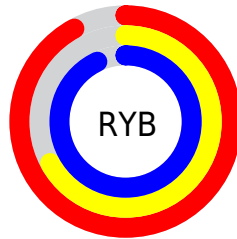
The RYB color **234, 170, 238** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 238, 234**, and the grayscale version is **197, 197, 197**.

A 20% lighter version of the original color is **255, 226, 255**, and **177, 117, 182** is the 20% darker color. If you saturate the color by 10%, you get **233, 146, 238**, and if you desaturate by 10%, it is **235, 194, 238**.

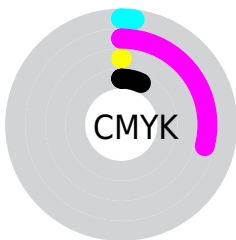
# Distribution



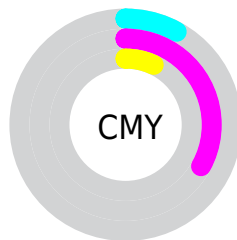
- Red (92%)
- Green (67%)
- Blue (93%)



- Red (92%)
- Yellow (67%)
- Blue (93%)



- Cyan (2%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)




- Cyan (8%)
- Magenta (33%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 234, 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 234, 170, 238 by changing the saturation by 10% instead.



 234, 170, 238

255, 255, 255

 255, 226, 255

 234, 170, 238


 205, 143, 210

 177, 117, 182

 150, 92, 155

 124, 67, 129


 98, 43, 104


 73, 18, 79

 48, 0, 56

 28, 0, 34


 0, 0, 8

 234, 170, 238

 234, 170, 238

 233, 146, 238


 235, 194, 238

 231, 122, 238

 237, 218, 238

 230, 99, 238

 238, 241, 241

 228, 75, 238

 238, 255, 253

 227, 51, 238

 238, 255, 252

 226, 27, 238

 238, 255, 251

 224, 3, 238

 238, 255, 249

 224, 0, 238

 238, 255, 248

 238, 255, 246

# Harmonies

## Analogous

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



185, 184, 255



234, 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.



234, 170, 238



169, 224, 113



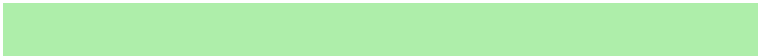
0, 109, 223

# Complementary

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



234, 170, 238



170, 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.



84, 156, 212



234, 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.



234, 170, 238



254, 197, 129



138, 202, 208



38, 133, 254

# Rectangle

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



234, 170, 238



255, 161, 174



138, 202, 208



38, 126, 213



# Sweetspot

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



234, 170, 238



254, 232, 255



170, 175, 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, 170, 238



250, 168, 255



238, 170, 209



119, 108, 120



173, 0, 184



53, 0, 56



# Inverse Universe

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



238, 170, 174



255, 168, 173



170, 218, 238



120, 108, 109



184, 0, 11



56, 0, 3



# Previews

## White Background



This preview shows how the RYB color 234, 170, 238 looks on a white background.

## Color Contrast Check

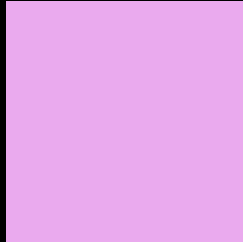
Large Text (above 18pt) WCAG AA × Fail

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 234, 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 234, 170, 238 Background



This preview shows how black text looks on a background with the RYB color 234, 170, 238.

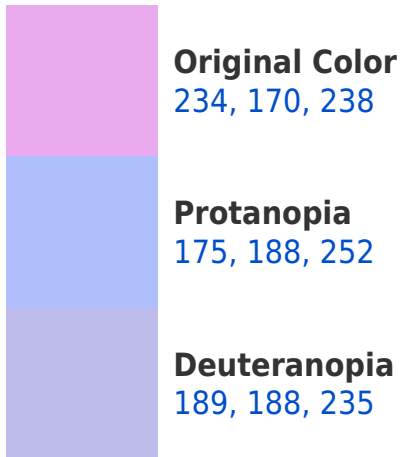



This preview shows how white text looks on a background with the RYB color 234, 170, 238.

# 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**  
228, 179, 193

# Trichromacy



**Original Color**

234, 170, 238



**Protanomaly**

196, 183, 247



**Deuteranomaly**

205, 181, 236



**Tritanomaly**

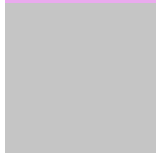
230, 176, 209

# Monochromacy



**Original Color**

234, 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 234, 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(234, 170, 238) looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 170, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 170, 238) }
```

## Border

The CSS property to change the border of an element to RYB 234, 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(234, 170, 238) }
```

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

```
.border{ border-color:rgb(234, 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(234, 170, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(234, 170, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(234, 170, 238); box-shadow:4px 4px 4px 4px rgb(234, 170, 238) }
```

# Background

The CSS property to change the background color of an element to RGB 234, 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(234, 170, 238) }
```

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

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