

# Converting Colors

`RYB(238, 170, 197)`

Have a look what the booklet for RYB(238, 170, 197) contains.

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# Color

**R<sub>Y</sub>B(238, 170, 197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEAAC5
RGB	238, 170, 197
RGB Percent	93%, 67%, 77%
CMY	0.0667, 0.3333, 0.2275
CMYK	0.00, 0.29, 0.17, 0.07
HSL	336°, 67%, 80%
HSV	336°, 29%, 93%
XYZ	59.7127, 50.9578, 59.5120
YIQ	193.4100, 31.8610, 22.8130

# Conversions

## Conversions Part 2

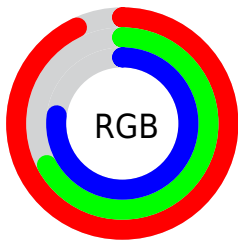
Format	Color
R <sub>Y</sub> B	238, 170, 197
Decimal	15641285
CIE Lab	76.65, 28.86, -3.78
CIE LCh	77, 29.110, 352.548
Yxy	50.9578, 0.3509, 0.2994
Android (android.graphics.Color)	4293831365 (0xFFEEAAC5)
YUV	193.4100, 1.7699, 39.1054
Hunter-Lab	71.3847, 24.3903, 0.5405

# Details

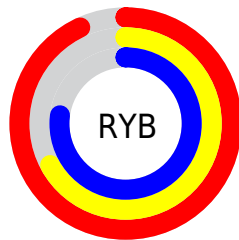
The RYB color **238, 170, 197** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **170, 212, 238**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **255, 226, 254**, and **181, 117, 143** is the 20% darker color. If you saturate the color by 10%, you get **238, 146, 183**, and if you desaturate by 10%, it is **238, 194, 211**.

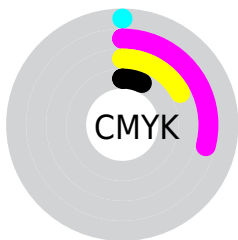
# Distribution



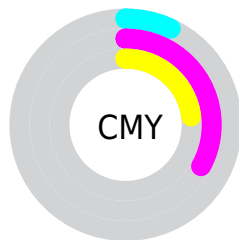
- Red (93%)
- Green (67%)
- Blue (77%)



- Red (93%)
- Yellow (67%)
- Blue (77%)



- Cyan (0%)
- Magenta (29%)
- Yellow (17%)
- Black (7%)



- Cyan (7%)
- Magenta (33%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 238, 170, 197 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 238, 170, 197 by changing the saturation by 10% instead.




 238, 170, 197

 238, 170, 197

255, 255, 255


 209, 143, 170


 255, 226, 254

 181, 117, 143

 154, 92, 118

 127, 67, 93

 101, 44, 70

 75, 20, 47

 51, 0, 27

 28, 0, 1

 0, 0, 0

■ 238, 170, 197

■ 238, 170, 197

■ 238, 146, 183

■ 238, 194, 211

■ 238, 122, 168

■ 238, 218, 226

■ 238, 99, 154

■ 238, 240, 241

■ 238, 75, 140

■ 238, 247, 255

■ 238, 51, 125

■ 238, 247, 255

■ 238, 27, 111

■ 238, 3, 97

■ 238, 0, 94

# Harmonies

## Analogous

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



217, 176, 222



238, 170, 197



244, 170, 170

# Triad

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



238, 170, 197



139, 194, 146



115, 164, 231

# Complementary

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



238, 170, 197



170, 212, 238

# 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.



108, 157, 209



238, 170, 197



156, 200, 200

# Square

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



238, 170, 197



184, 215, 136



127, 172, 204



146, 178, 242

# Rectangle

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



238, 170, 197



239, 180, 154



127, 172, 204



110, 161, 225



# Sweetspot

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



238, 170, 197



255, 232, 241



211, 170, 238



128, 113, 119



0, 0, 0



128, 128, 128



# Same Dimension

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



238, 170, 197



255, 168, 203



238, 178, 170



120, 108, 113



184, 0, 73



56, 0, 22



# Inverse Universe

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



238, 170, 197



255, 168, 203



170, 202, 238



120, 108, 113



184, 0, 73



56, 0, 22



# Previews

## White Background



This preview shows how the RYB color 238, 170, 197 looks on a white background.

## Color Contrast Check

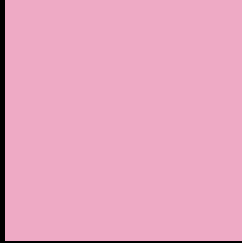
Large Text (above 18pt) WCAG AA × Fail

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 238, 170, 197 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 238, 170, 197 Background**



This preview shows how black text looks on a background with the RYB color 238, 170, 197.



This preview shows how white text looks on a background with the RYB color 238, 170, 197.

# 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**  
238, 170, 197

**Protanopia**  
187, 188, 208

**Deuteranopia**  
206, 184, 194



**Tritanopia**  
237, 172, 185

# Trichromacy



**Original Color**  
238, 170, 197

**Protanomaly**  
206, 181, 204

**Deuteranomaly**  
218, 179, 195

**Tritanomaly**  
237, 171, 189

# Monochromacy



**Original Color**  
238, 170, 197

**Achromatopsia**  
193, 193, 193

**Achromatomaly**  
209, 185, 194

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 238, 170, 197 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(238, 170, 197) looks like.

```
.text, #text, p{  
    color:rgb(238, 170, 197)  
}
```

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(238, 170, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 170, 197) }
```

## Border

The CSS property to change the border of an element to RYB 238, 170, 197 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(238, 170, 197) }
```

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

```
.border{ border-color:rgb(238, 170, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 170, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 170, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 170, 197);  
box-shadow:4px 4px 4px 4px rgb(238, 170,  
197) }
```

# Background

The CSS property to change the background color of an element to RGB 238, 170, 197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 170, 197) }
```

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

```
.background{ background-color: rgb(238,  
170, 197) }
```

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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