

# Converting Colors

`RYB(240, 152, 162)`

Have a look what the booklet for  
RYB(240, 152, 162) contains.

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# **Color**

**$\text{RYB}(240, 152, 162)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	F098A2
RGB	240, 152, 162
RGB Percent	94%, 60%, 64%
CMY	0.0588, 0.4039, 0.3647
CMYK	0.00, 0.37, 0.33, 0.06
HSL	353°, 75%, 77%
HSV	353°, 37%, 94%
XYZ	53.6850, 43.5904, 39.7667
YIQ	179.4520, 49.2380, 21.7660

# Conversions

## Conversions Part 2

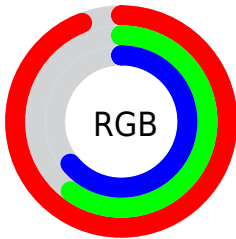
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 152, 162
Decimal	15767714
CIE Lab	71.95, 34.20, 8.68
CIE LCh	72, 35.283, 14.248
Yxy	43.5904, 0.3917, 0.3181
Android (android.graphics.Color)	4293957794 (0xFFFF098A2)
YUV	179.4520, -8.6038, 53.1006
Hunter-Lab	66.0230, 29.6027, 10.5048

# Details

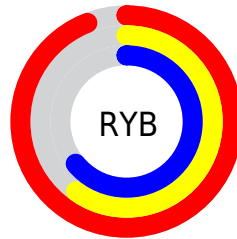
The RYB color **240, 152, 162** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **152, 199, 240**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **255, 207, 217**, and **182, 100, 111** is the 20% darker color. If you saturate the color by 10%, you get **240, 128, 141**, and if you desaturate by 10%, it is **240, 176, 183**.

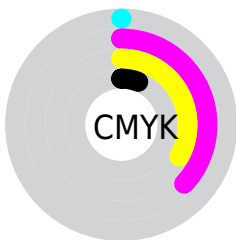
# Distribution



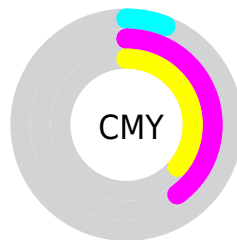
- Red (94%)
- Green (60%)
- Blue (64%)



- Red (94%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (37%)
- Yellow (33%)
- Black (6%)



- Cyan (6%)
- Magenta (40%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 240, 152, 162 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 240, 152, 162 by changing the saturation by 10% instead.




 240, 152, 162

 240, 152, 162

255, 255, 255

 211, 125, 136

 255, 207, 217

 182, 100, 111

 255, 236, 245

 154, 75, 86

 126, 50, 63


 99, 25, 41

 72, 0, 21


 49, 0, 0


 0, 0, 0


 240, 152, 162

 240, 152, 162

 240, 128, 141

 240, 176, 183

 240, 104, 119

 240, 200, 205

 240, 80, 98

 240, 224, 226

 240, 56, 77

 240, 244, 248

 240, 32, 56

 240, 248, 255

 240, 8, 34

 240, 0, 27

# Harmonies

## Analogous

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



229, 154, 195



240, 152, 162



234, 166, 133

# Triad

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



240, 152, 162



129, 188, 170



104, 154, 238

# Complementary

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



240, 152, 162



152, 199, 240

# 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.



63, 134, 220



240, 152, 162



108, 162, 193

# Square

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



240, 152, 162



117, 183, 113



70, 133, 194



156, 171, 239

# Rectangle

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



240, 152, 162



221, 203, 119



70, 133, 194



88, 147, 234



# Sweetspot

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



240, 152, 162



255, 227, 230



230, 152, 240



128, 111, 113



0, 0, 0



128, 128, 128



# Same Dimension

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



240, 152, 162



255, 143, 156



240, 207, 152



120, 108, 109



184, 0, 21



56, 0, 6



# Inverse Universe

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



240, 152, 162



255, 143, 156



152, 185, 240



120, 108, 109



184, 0, 21



56, 0, 6



# Previews

## White Background



This preview shows how the RYB color 240, 152, 162 looks on a white background.

## Color Contrast Check

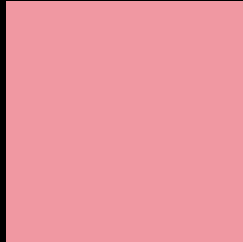
Large Text (above 18pt) WCAG AA × Fail

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 240, 152, 162 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 240, 152, 162 Background**



This preview shows how black text looks on a background with the RYB color 240, 152, 162.



This preview shows how white text looks on a background with the RYB color 240, 152, 162.

# 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**  
240, 152, 162

**Protanopia**  
180, 176, 175

**Deuteranopia**  
200, 174, 159



**Tritanopia**  
240, 152, 163

# Trichromacy



**Original Color**

240, 152, 162



**Protanomaly**

202, 167, 170



**Deuteranomaly**

215, 163, 160



**Tritanomaly**

240, 152, 163

# Monochromacy



**Original Color**

240, 152, 162



**Achromatopsia**

179, 179, 179



**Achromatomaly**

201, 169, 173

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 240, 152, 162 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(240, 152, 162) looks like.

```
.text, #text, p{  
    color:rgb(240, 152, 162)  
}
```

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(240, 152, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 152, 162) }
```

## Border

The CSS property to change the border of an element to RYB 240, 152, 162 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(240, 152, 162) }
```

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

```
.border{ border-color:rgb(240, 152, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 152, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 152, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 152, 162);  
box-shadow:4px 4px 4px 4px rgb(240, 152,  
162) }
```

# Background

The CSS property to change the background color of an element to RYB 240, 152, 162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 152, 162) }
```

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

```
.background{ background-color: rgb(240,  
152, 162) }
```

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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