

Converting Colors

`RYB(237, 120, 163)`

Have a look what the booklet for
RYB(237, 120, 163) contains.

RYB(237, 120, 163)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(237, 120, 163)`

Conversions

Conversions Part 1

Format	Color
Hex	ED78A3
RGB	237, 120, 163
RGB Percent	93%, 47%, 64%
CMY	0.0706, 0.5294, 0.3608
CMYK	0.00, 0.49, 0.31, 0.07
HSL	338°, 76%, 70%
HSV	338°, 49%, 93%
XYZ	48.2524, 34.0818, 38.6856
YIQ	159.8850, 55.9290, 38.1770

Conversions

Conversions Part 2

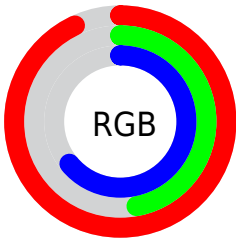
Format	Color
R _Y B	237, 120, 163
Decimal	15562915
CIE Lab	65.03, 49.61, -1.95
CIE LCh	65, 49.651, 357.748
Yxy	34.0818, 0.3987, 0.2816
Android (android.graphics.Color)	4293752995 (0xFFED78A3)
YUV	159.8850, 1.5357, 67.6299
Hunter-Lab	58.3796, 45.3709, 1.5769

Details

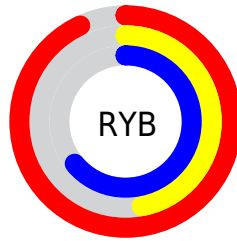
The RYB color **237, 120, 163** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **120, 192, 237**, and the grayscale version is **160, 160, 160**.

A 20% lighter version of the original color is **255, 175, 218**, and **178, 66, 111** is the 20% darker color. If you saturate the color by 10%, you get **237, 96, 148**, and if you desaturate by 10%, it is **237, 144, 178**.

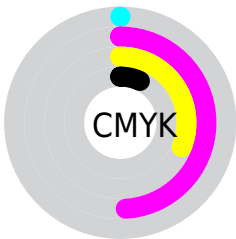
Distribution



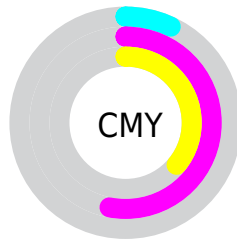
- Red (93%)
- Green (47%)
- Blue (64%)



- Red (93%)
- Yellow (47%)
- Blue (64%)



- Cyan (0%)
- Magenta (49%)
- Yellow (31%)
- Black (7%)




- Cyan (7%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 237, 120, 163 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 237, 120, 163 by changing the saturation by 10% instead.

 237, 120, 163

 237, 120, 163

255, 255, 255

 207, 93, 137

 255, 175, 218

 178, 66, 111

 255, 203, 246

 149, 38, 87

 255, 232, 255

 121, 0, 64

 94, 0, 42

 67, 0, 22

 41, 0, 1

 0, 0, 0

 237, 120, 163

 237, 120, 163

■ 237, 96, 148

■ 237, 144, 178

■ 237, 73, 133

■ 237, 167, 193

■ 237, 49, 118

■ 237, 191, 208

■ 237, 25, 103

■ 237, 215, 223

■ 237, 2, 88

■ 237, 238, 238

■ 237, 0, 87

■ 237, 247, 255

■ 237, 246, 255

Harmonies

Analogous

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



209, 130, 206



237, 120, 163



239, 124, 119

Triad

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



237, 120, 163



76, 167, 101



0, 99, 232

Complementary

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



237, 120, 163



120, 192, 237

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.



0, 94, 198



237, 120, 163



86, 158, 176

Square

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



237, 120, 163



110, 186, 66



0, 97, 180



62, 128, 246

Rectangle

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



237, 120, 163



229, 149, 94



0, 97, 180



0, 99, 223

Sweetspot

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



237, 120, 163



255, 217, 231



192, 120, 237



128, 105, 113



0, 0, 0



128, 128, 128

Same Dimension

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



237, 120, 163



255, 105, 160



237, 136, 120



117, 106, 110



181, 0, 67



54, 0, 20

Inverse Universe

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



237, 120, 163



255, 105, 160



120, 175, 237



117, 106, 110



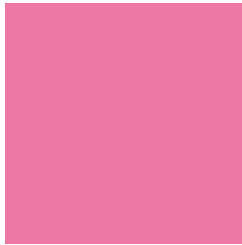
181, 0, 67



54, 0, 20

Previews

White Background



This preview shows how the RYB color 237, 120, 163 looks on a white background.

Color Contrast Check

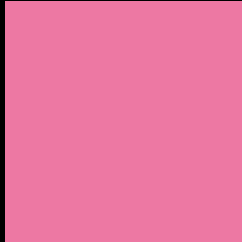
Large Text (above 18pt) WCAG AA × Fail

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 237, 120, 163 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 237, 120, 163 Background



This preview shows how black text looks on a background with the RYB color 237, 120, 163.



This preview shows how white text looks on a background with the RYB color 237, 120, 163.

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
237, 120, 163

Protanopia
153, 157, 186

Deuteranopia
174, 153, 158



Tritanopia
234, 125, 134

Trichromacy



Original Color

237, 120, 163



Protanomaly

184, 144, 178



Deuteranomaly

197, 141, 160



Tritanomaly

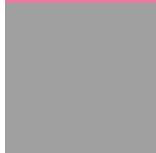
235, 123, 145

Monochromacy



Original Color

237, 120, 163



Achromatopsia

160, 160, 160



Achromatomaly

188, 145, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 237, 120, 163 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(237, 120, 163) looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 163)  
}
```

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(237, 120, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 163) }
```

Border

The CSS property to change the border of an element to RYB 237, 120, 163 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(237, 120, 163) }
```

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

```
.border{ border-color:rgb(237, 120, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 120, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 163);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 237, 120, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 163) }
```

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

```
.background{ background-color: rgb(237,  
120, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor