

Converting Colors

`RYB(235, 127, 177)`

Have a look what the booklet for
RYB(235, 127, 177) contains.

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Color

`RYB(235, 127, 177)`

Conversions

Conversions Part 1

Format	Color
Hex	EB7FB1
RGB	235, 127, 177
RGB Percent	92%, 50%, 69%
CMY	0.0784, 0.5020, 0.3059
CMYK	0.00, 0.46, 0.25, 0.08
HSL	332°, 73%, 71%
HSV	332°, 46%, 92%
XYZ	49.7861, 36.0152, 45.9226
YIQ	164.9920, 48.3180, 38.4460

Conversions

Conversions Part 2

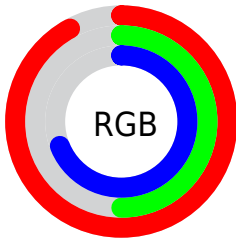
Format	Color
R _Y B	235, 127, 177
Decimal	15433649
CIE Lab	66.53, 47.31, -7.69
CIE LCh	67, 47.932, 350.767
Yxy	36.0152, 0.3780, 0.2734
Android (android.graphics.Color)	4293623729 (0xFFEB7FB1)
YUV	164.9920, 5.9199, 61.3970
Hunter-Lab	60.0127, 43.0602, -3.3607

Details

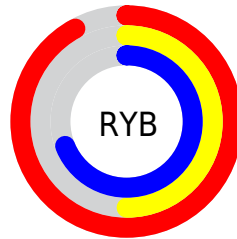
The RYB color **235, 127, 177** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **127, 197, 235**, and the grayscale version is **165, 165, 165**.

A 20% lighter version of the original color is **255, 182, 233**, and **177, 74, 124** is the 20% darker color. If you saturate the color by 10%, you get **235, 104, 164**, and if you desaturate by 10%, it is **235, 151, 190**.

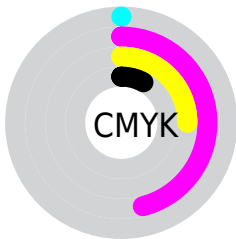
Distribution



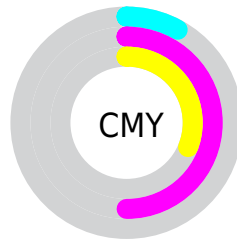
- Red (92%)
- Green (50%)
- Blue (69%)



- Red (92%)
- Yellow (50%)
- Blue (69%)



- Cyan (0%)
- Magenta (46%)
- Yellow (25%)
- Black (8%)



- Cyan (8%)
- Magenta (50%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 235, 127, 177 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 235, 127, 177 by changing the saturation by 10% instead.

 235, 127, 177

255, 255, 255

 255, 182, 233

 255, 210, 255

 255, 239, 255

 235, 127, 177

 206, 100, 150

 177, 74, 124

 148, 47, 100

 121, 16, 76

 94, 0, 53

 67, 0, 32

 44, 0, 6

 0, 0, 0

 235, 127, 177

 235, 127, 177

■ 235, 104, 164

■ 235, 151, 190

■ 235, 80, 152

■ 235, 174, 202

■ 235, 56, 139

■ 235, 198, 215

■ 235, 33, 127

■ 235, 221, 227

■ 235, 10, 114

■ 235, 241, 244

■ 235, 0, 109

■ 235, 246, 255

■ 235, 245, 255

Harmonies

Analogous

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



202, 139, 217



235, 127, 177



243, 127, 134

Triad

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



235, 127, 177



78, 169, 89



0, 101, 228

Complementary

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



235, 127, 177



127, 197, 235

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, 191



235, 127, 177



105, 178, 176

Square

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



235, 127, 177



143, 199, 75



12, 108, 183



42, 121, 246

Rectangle

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



235, 127, 177



236, 141, 108



12, 108, 183



0, 99, 217

Sweetspot

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



235, 127, 177



255, 219, 236



185, 127, 235



128, 106, 116



0, 0, 0



128, 128, 128

Same Dimension

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



235, 127, 177



255, 115, 180



235, 131, 127



117, 106, 111



181, 0, 84



54, 0, 25

Inverse Universe

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



235, 127, 177



255, 115, 180



127, 180, 235



117, 106, 111



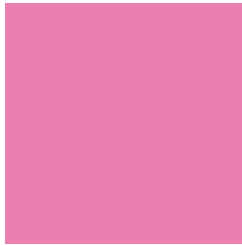
181, 0, 84



54, 0, 25

Previews

White Background



This preview shows how the RYB color 235, 127, 177 looks on a white background.

Color Contrast Check

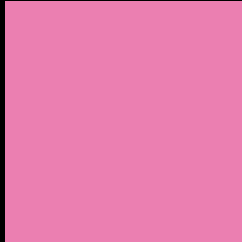
Large Text (above 18pt) WCAG AA × Fail

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 235, 127, 177 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 235, 127, 177 Background



This preview shows how black text looks on a background with the RYB color 235, 127, 177.



This preview shows how white text looks on a background with the RYB color 235, 127, 177.

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
235, 127, 177

Protanopia
154, 160, 199

Deuteranopia
174, 157, 172



Tritanopia
232, 133, 143

Trichromacy



Original Color

235, 127, 177



Protanomaly

183, 149, 191



Deuteranomaly

196, 146, 174



Tritanomaly

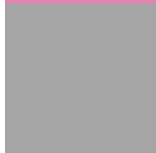
233, 131, 155

Monochromacy



Original Color

235, 127, 177



Achromatopsia

165, 165, 165



Achromatomaly

190, 151, 169

CSS Examples

Text

The CSS property to change the color of the text to RYB 235, 127, 177 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(235, 127, 177)` looks like.

```
.text, #text, p{  
    color:rgb(235, 127, 177)  
}
```

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(235, 127, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 127, 177) }
```

Border

The CSS property to change the border of an element to RYB 235, 127, 177 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(235, 127, 177) }
```

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

```
.border{ border-color:rgb(235, 127, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 127, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 127, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 127, 177);  
box-shadow:4px 4px 4px 4px rgb(235, 127,  
177) }
```

Background

The CSS property to change the background color of an element to RGB 235, 127, 177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 127, 177) }
```

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

```
.background{ background-color: rgb(235,  
127, 177) }
```

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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