

# Converting Colors

`RYB(231, 185, 236)`

Have a look what the booklet for RYB(231, 185, 236) contains.

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# Color

**R<sub>Y</sub>B(231, 185, 236)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7B9EC
RGB	231, 185, 236
RGB Percent	91%, 73%, 93%
CMY	0.0941, 0.2745, 0.0745
CMYK	0.02, 0.22, 0.00, 0.07
HSL	294°, 57%, 83%
HSV	294°, 22%, 93%
XYZ	65.4443, 57.7430, 87.0531
YIQ	204.5680, 11.0450, 25.6130

# Conversions

## Conversions Part 2

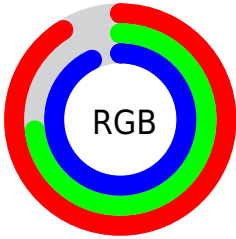
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 185, 236
Decimal	15186412
CIE Lab	80.60, 25.16, -19.08
CIE LCh	81, 31.575, 322.820
Yxy	57.7430, 0.3113, 0.2747
Android (android.graphics.Color)	4293376492 (0xFFE7B9EC)
YUV	204.5680, 15.4960, 23.1809
Hunter-Lab	75.9888, 20.7502, -14.7307

# Details

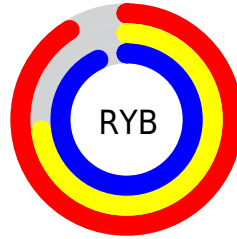
The RYB color **231, 185, 236** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **185, 236, 231**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **255, 241, 255**, and **175, 132, 180** is the 20% darker color. If you saturate the color by 10%, you get **229, 161, 236**, and if you desaturate by 10%, it is **233, 209, 236**.

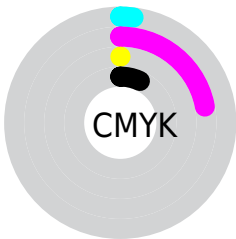
# Distribution



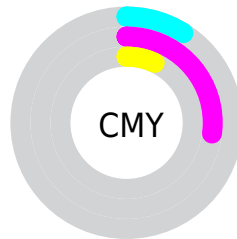
- Red (91%)
- Green (73%)
- Blue (93%)



- Red (91%)
- Yellow (73%)
- Blue (93%)



- Cyan (2%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)




- Cyan (9%)
- Magenta (27%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 231, 185, 236 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 231, 185, 236 by changing the saturation by 10% instead.



 231, 185, 236

 231, 185, 236

255, 255, 255

 203, 158, 208

 255, 241, 255

 175, 132, 180


 148, 106, 153

 122, 81, 127


 96, 58, 102


 72, 35, 78


 49, 13, 55

 31, 0, 34

 0, 0, 7

 231, 185, 236

 231, 185, 236

 229, 161, 236

 233, 209, 236

 226, 138, 236

 236, 232, 236

 224, 114, 236

 236, 255, 253

 222, 91, 236


 236, 255, 251

 219, 67, 236


 236, 255, 248

 217, 43, 236

 236, 255, 246

 215, 20, 236

 236, 255, 244

 213, 0, 236

 236, 255, 241

 236, 255, 239

# Harmonies

## Analogous

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



195, 195, 254



231, 185, 236



254, 179, 208

# Triad

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



231, 185, 236



193, 228, 142



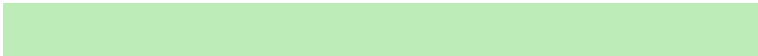
110, 164, 222

# Complementary

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



231, 185, 236



185, 236, 231

# 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.



131, 180, 216



231, 185, 236



145, 205, 152

# Square

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



231, 185, 236



250, 202, 154



164, 212, 212



117, 172, 246

# Rectangle

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



231, 185, 236



255, 178, 188



164, 212, 212



115, 167, 217



# Sweetspot

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



231, 185, 236



254, 240, 255



185, 190, 236



127, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



231, 185, 236



248, 189, 255



236, 185, 216



116, 106, 117



163, 0, 181



48, 0, 54



# Inverse Universe

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



236, 185, 190



255, 189, 195



185, 222, 236



117, 106, 107



181, 0, 18

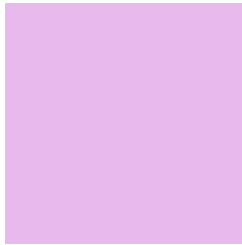


54, 0, 5



# Previews

## White Background



This preview shows how the RYB color 231, 185, 236 looks on a white background.

## Color Contrast Check

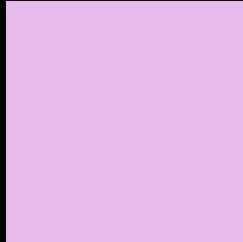
Large Text (above 18pt) WCAG AA × Fail

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 231, 185, 236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

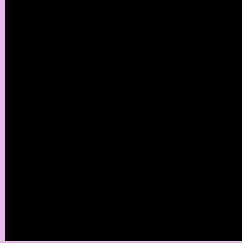
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 231, 185, 236 Background**



This preview shows how black text looks on a background with the RYB color 231, 185, 236.



This preview shows how white text looks on a background with the RYB color 231, 185, 236.

# 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**  
231, 185, 236

**Protanopia**  
190, 197, 245

**Deuteranopia**  
203, 195, 234



**Tritanopia**  
227, 191, 205

# Trichromacy



**Original Color**  
231, 185, 236

**Protanomaly**  
205, 193, 242

**Deuteranomaly**  
213, 191, 235

**Tritanomaly**  
228, 189, 216

# Monochromacy



**Original Color**  
231, 185, 236

**Achromatopsia**  
205, 205, 205

**Achromatomaly**  
214, 198, 216

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 231, 185, 236 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(231, 185, 236) looks like.

```
.text, #text, p{  
    color:rgb(231, 185, 236)  
}
```

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(231, 185, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 185, 236) }
```

## Border

The CSS property to change the border of an element to RYB 231, 185, 236 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(231, 185, 236) }
```

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

```
.border{ border-color:rgb(231, 185, 236) }
```

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

Here you see how a box with a 4 pixel rgb(231, 185, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 185, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 185, 236);  
box-shadow:4px 4px 4px 4px rgb(231, 185,  
236) }
```

# Background

The CSS property to change the background color of an element to RYB 231, 185, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 185, 236) }
```

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

```
.background{ background-color: rgb(231,  
185, 236) }
```

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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