

# Converting Colors

`RYB(236, 181, 244)`

Have a look what the booklet for  
RYB(236, 181, 244) contains.

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# Color

**R<sub>Y</sub>B(236, 181, 244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECB5F4
RGB	236, 181, 244
RGB Percent	93%, 71%, 96%
CMY	0.0745, 0.2902, 0.0431
CMYK	0.03, 0.26, 0.00, 0.04
HSL	292°, 74%, 83%
HSV	292°, 26%, 96%
XYZ	67.4451, 57.4123, 93.1149
YIQ	204.6270, 12.5570, 31.2530

# Conversions

## Conversions Part 2

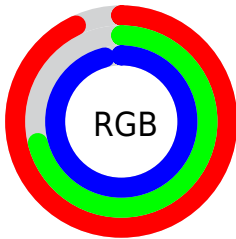
Format	Color
R <sub>Y</sub> B	236, 181, 244
Decimal	15513076
CIE Lab	80.41, 30.41, -23.61
CIE LCh	80, 38.499, 322.170
Yxy	57.4123, 0.3094, 0.2634
Android (android.graphics.Color)	4293703156 (0xFFECB5F4)
YUV	204.6270, 19.4109, 27.5141
Hunter-Lab	75.7709, 26.2871, -19.8219

# Details

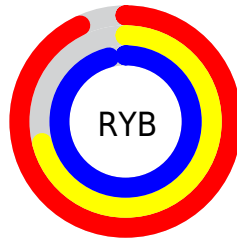
The RYB color **236, 181, 244** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **181, 244, 236**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **255, 237, 255**, and **179, 128, 188** is the 20% darker color. If you saturate the color by 10%, you get **233, 157, 244**, and if you desaturate by 10%, it is **239, 205, 244**.

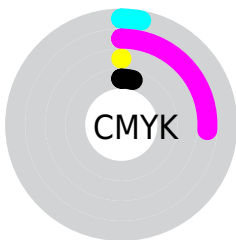
# Distribution



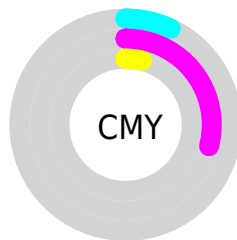
- Red (93%)
- Green (71%)
- Blue (96%)



- Red (93%)
- Yellow (71%)
- Blue (96%)



- Cyan (3%)
- Magenta (26%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (29%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 181, 244 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 236, 181, 244 by changing the saturation by 10% instead.



 236, 181, 244


 236, 181, 244

255, 255, 255


 207, 154, 215

 255, 237, 255

 179, 128, 188

 152, 102, 161

 126, 77, 134

 100, 54, 109

 75, 30, 84

 51, 6, 61

 33, 0, 39


 0, 1, 16

 236, 181, 244

 236, 181, 244

 233, 157, 244

 239, 205, 244

 230, 132, 244


 242, 230, 244

 227, 108, 244

 244, 254, 253

 224, 83, 244


 244, 255, 251


 221, 59, 244

 244, 255, 248

 217, 35, 244

 244, 255, 244

 214, 10, 244

 213, 0, 244

# Harmonies

## Analogous

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



191, 194, 255



236, 181, 244



255, 173, 210

# Triad

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



236, 181, 244



190, 233, 128



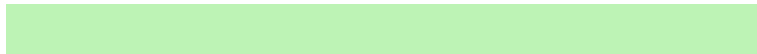
74, 148, 225

# Complementary

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



236, 181, 244



181, 244, 236

# 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.



111, 173, 218



236, 181, 244



132, 206, 141

# Square

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



236, 181, 244



255, 202, 144



154, 214, 213



82, 157, 255

# Rectangle

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



236, 181, 244



255, 172, 186



154, 214, 213



84, 153, 219



# Sweetspot

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



236, 181, 244



252, 235, 255



181, 188, 244



126, 115, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



236, 181, 244



245, 176, 255



244, 181, 221



121, 110, 122



163, 0, 186



51, 0, 59



# Inverse Universe

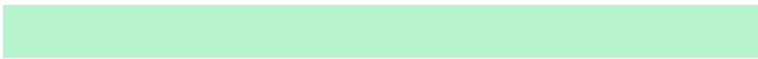
The Inverse Universe completely reimagines the original color for something new.



244, 181, 189



255, 176, 186



181, 227, 244



122, 110, 112



186, 0, 24

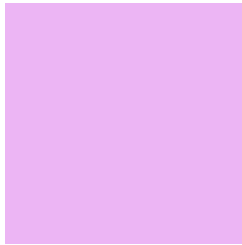


59, 0, 7



# Previews

## White Background



This preview shows how the RYB color 236, 181, 244 looks on a white background.

## Color Contrast Check

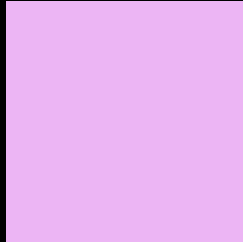
Large Text (above 18pt) WCAG AA × Fail

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 236, 181, 244 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 236, 181, 244 Background



This preview shows how black text looks on a background with the RYB color 236, 181, 244.




This preview shows how white text looks on a background with the RYB color 236, 181, 244.

# 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





**Tritanopia**  
230, 189, 203

# Trichromacy



**Original Color**

236, 181, 244



**Protanomaly**

204, 192, 251



**Deuteranomaly**

212, 190, 242



**Tritanomaly**

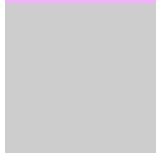
232, 186, 218

# Monochromacy



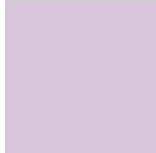
**Original Color**

236, 181, 244



**Achromatopsia**

205, 205, 205



**Achromatomaly**

216, 196, 219

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 236, 181, 244 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(236, 181, 244) looks like.

```
.text, #text, p{  
    color:rgb(236, 181, 244)  
}
```

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(236, 181, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 181, 244) }
```

## Border

The CSS property to change the border of an element to RYB 236, 181, 244 is called "border". The border property can be set on classes, ids or directly on the HTML element.

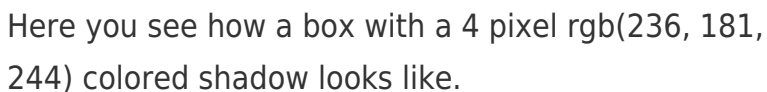
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 181, 244) }
```

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

```
.border{ border-color:rgb(236, 181, 244) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 181, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 181, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 181, 244);  
box-shadow:4px 4px 4px 4px rgb(236, 181,  
244) }
```

# Background

The CSS property to change the background color of an element to RYB 236, 181, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 181, 244) }
```

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

```
.background{ background-color: rgb(236,  
181, 244) }
```

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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