

# Converting Colors

`RYB(236, 215, 247)`

Have a look what the booklet for RYB(236, 215, 247) contains.

<b>RYB(236, 215, 247)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**R<sub>Y</sub>B(236, 215, 247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECD7F7
RGB	236, 215, 247
RGB Percent	93%, 84%, 97%
CMY	0.0745, 0.1569, 0.0314
CMYK	0.04, 0.13, 0.00, 0.03
HSL	279°, 67%, 91%
HSV	279°, 13%, 97%
XYZ	75.6810, 73.1491, 98.1261
YIQ	224.9270, 2.2440, 14.4040

# Conversions

## Conversions Part 2

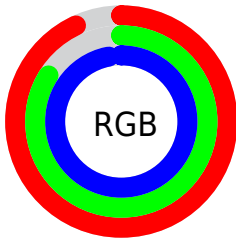
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	236, 215, 247
Decimal	15521783
CIE <sub>Lab</sub>	88.52, 12.92, -12.98
CIE <sub>LCh</sub>	89, 18.314, 314.869
Yxy	73.1491, 0.3065, 0.2962
Android (android.graphics.Color)	4293711863 (0xFFECD7F7)
YUV	224.9270, 10.8820, 9.7110
Hunter-Lab	85.5273, 8.2776, -8.1548

# Details

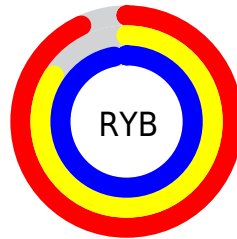
The RYB color **236, 215, 247** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **215, 247, 236**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **255, 255, 255**, and **180, 160, 191** is the 20% darker color. If you saturate the color by 10%, you get **228, 190, 247**, and if you desaturate by 10%, it is **244, 240, 247**.

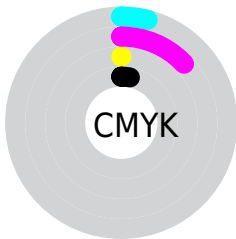
# Distribution



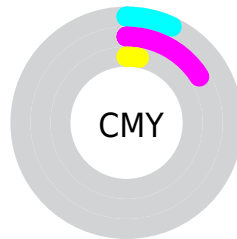
- Red (93%)
- Green (84%)
- Blue (97%)



- Red (93%)
- Yellow (84%)
- Blue (97%)



- Cyan (4%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)



- Cyan (7%)
- Magenta (16%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 236, 215, 247 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, 215, 247 by changing the saturation by 10% instead.



■ 236, 215, 247

255, 255, 255

■ 236, 215, 247

■ 208, 187, 218

■ 180, 160, 191

■ 153, 134, 164

■ 127, 109, 137

■ 102, 84, 112

■ 78, 61, 87


■ 55, 39, 64

■ 33, 19, 42

■ 5, 0, 22

 236, 215, 247


 236, 215, 247

 228, 190, 247


 244, 240, 247


 219, 166, 247

 247, 255, 249

 211, 141, 247


 247, 255, 247

 202, 116, 247

 194, 92, 247

 185, 67, 247

 177, 42, 247

 168, 17, 247

 162, 0, 247

# Harmonies

## Analogous

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



214, 220, 255



236, 215, 247



252, 211, 232

# Triad

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



236, 215, 247



241, 245, 189



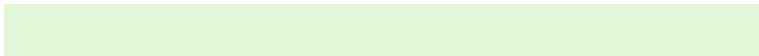
178, 206, 232

# Complementary

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



236, 215, 247



215, 247, 236

# Split Complementary

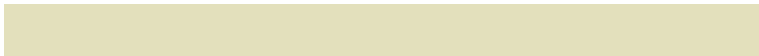
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



189, 217, 232



236, 215, 247



191, 227, 188

# Square

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



236, 215, 247



255, 218, 198



197, 229, 219



179, 208, 246

# Rectangle

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



236, 215, 247



255, 210, 220



197, 229, 219



180, 209, 233



# Sweetspot

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



236, 215, 247



251, 245, 255



215, 223, 247



125, 121, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



236, 215, 247



241, 214, 255



247, 215, 242



118, 110, 122



122, 0, 186



38, 0, 59



# Inverse Universe

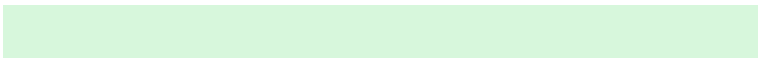
The Inverse Universe completely reimagines the original color for something new.



247, 215, 226



255, 214, 228



215, 243, 247



122, 110, 114



186, 0, 64

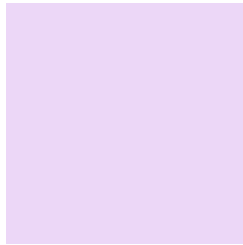


59, 0, 20



# Previews

## White Background



This preview shows how the RYB color 236, 215, 247 looks on a white background.

## Color Contrast Check

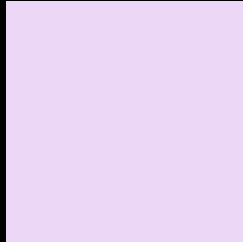
Large Text (above 18pt) WCAG AA × Fail

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, 215, 247 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, 215, 247 Background



This preview shows how black text looks on a background with the RYB color 236, 215, 247.

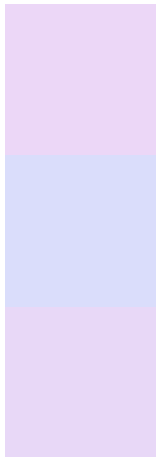


This preview shows how white text looks on a background with the RYB color 236, 215, 247.

# 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**  
236, 215, 247

**Protanopia**  
218, 221, 251

**Deuteranopia**  
232, 216, 247



**Tritanopia**  
234, 217, 234

# Trichromacy



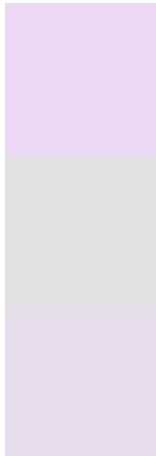
**Original Color**  
236, 215, 247

**Protanomaly**  
225, 219, 250

**Deuteranomaly**  
233, 216, 247

**Tritanomaly**  
235, 216, 239

# Monochromacy



**Original Color**  
236, 215, 247

**Achromatopsia**  
225, 225, 225

**Achromatomaly**  
229, 221, 233

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 236, 215, 247 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, 215, 247) looks like.

```
.text, #text, p{  
    color:rgb(236, 215, 247)  
}
```

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, 215, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 215, 247) }
```

## Border

The CSS property to change the border of an element to RYB 236, 215, 247 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, 215, 247) }
```

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

```
.border{ border-color:rgb(236, 215, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 215, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 215, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 215, 247);  
box-shadow:4px 4px 4px 4px rgb(236, 215,  
247) }
```

# Background

The CSS property to change the background color of an element to RYB 236, 215, 247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 215, 247) }
```

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

```
.background{ background-color: rgb(236,  
215, 247) }
```

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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