

Converting Colors

`RYB(228, 199, 236)`

Have a look what the booklet for
RYB(228, 199, 236) contains.

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Color

R_YB(228, 199, 236)

Conversions

Conversions Part 1

Format	Color
Hex	E4C7EC
RGB	228, 199, 236
RGB Percent	89%, 78%, 93%
CMY	0.1059, 0.2196, 0.0745
CMYK	0.03, 0.16, 0.00, 0.07
HSL	287°, 49%, 85%
HSV	287°, 16%, 93%
XYZ	67.5587, 63.3970, 88.0330
YIQ	211.8890, 5.4070, 17.6550

Conversions

Conversions Part 2

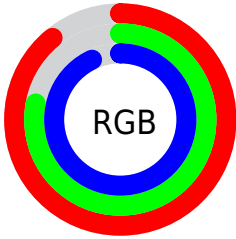
Format	Color
R _Y B	228, 199, 236
Decimal	14993388
CIE Lab	83.65, 16.69, -14.51
CIE LCh	84, 22.116, 319.005
Yxy	63.3970, 0.3085, 0.2895
Android (android.graphics.Color)	4293183468 (0xFFE4C7EC)
YUV	211.8890, 11.8867, 14.1293
Hunter-Lab	79.6222, 12.1166, -9.8175

Details

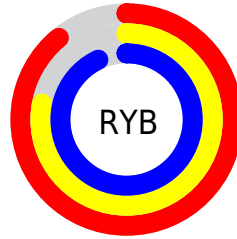
The RYB color **228, 199, 236** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **199, 236, 228**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is 255, 255, 255, and **172, 145, 180** is the 20% darker color. If you saturate the color by 10%, you get **223, 175, 236**, and if you desaturate by 10%, it is **233, 223, 236**.

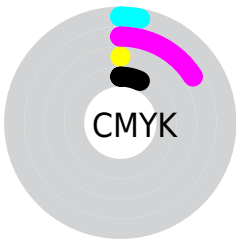
Distribution



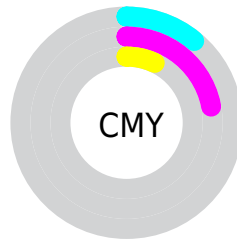
- Red (89%)
- Green (78%)
- Blue (93%)



- Red (89%)
- Yellow (78%)
- Blue (93%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (22%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 228, 199, 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 228, 199, 236 by changing the saturation by 10% instead.

■ 228, 199, 236

255, 255, 255

■ 228, 199, 236

■ 200, 172, 208

■ 172, 145, 180

■ 146, 119, 153

■ 120, 94, 127

■ 95, 71, 102

■ 71, 48, 78


■ 48, 27, 55

■ 28, 2, 34

■ 0, 0, 9

 228, 199, 236

 228, 199, 236

 223, 175, 236

 233, 223, 236

 218, 152, 236

 236, 246, 244

 213, 128, 236

 236, 255, 248

 208, 105, 236

 236, 255, 243

 202, 81, 236

 236, 255, 237

 197, 57, 236

 236, 255, 236

 192, 34, 236

 187, 10, 236

 185, 0, 236

Harmonies

Analogous

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



202, 206, 248



228, 199, 236



246, 195, 217

Triad

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



228, 199, 236



218, 232, 168



153, 187, 221

Complementary

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



228, 199, 236



199, 236, 228

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.



165, 199, 220



228, 199, 236



169, 211, 169

Square

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



228, 199, 236



247, 206, 178



181, 217, 211



156, 191, 239

Rectangle

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



228, 199, 236



251, 194, 203



181, 217, 211



155, 190, 221

Sweetspot

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



228, 199, 236



252, 242, 255



199, 206, 236



126, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



228, 199, 236



245, 207, 255



236, 199, 226



115, 106, 117



142, 0, 181



42, 0, 54

Inverse Universe

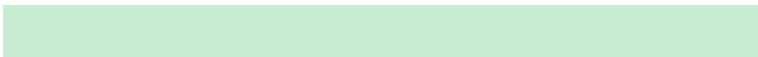
The Inverse Universe completely reimagines the original color for something new.



236, 199, 207



255, 207, 217



199, 228, 236



117, 106, 108



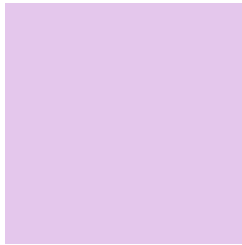
181, 0, 39



54, 0, 12

Previews

White Background



This preview shows how the RYB color 228, 199, 236 looks on a white background.

Color Contrast Check

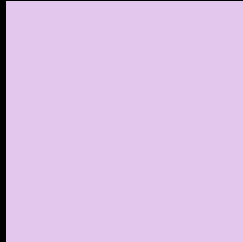
Large Text (above 18pt) WCAG AA × Fail

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 228, 199, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

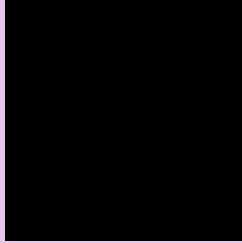
Any Text WCAG AA ✓ Pass

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 228, 199, 236 Background



This preview shows how black text looks on a background with the RYB color 228, 199, 236.



This preview shows how white text looks on a background with the RYB color 228, 199, 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
228, 199, 236

Protanopia
203, 207, 241

Deuteranopia
216, 203, 235



Tritanopia
225, 202, 218

Trichromacy



Original Color
228, 199, 236

Protanomaly
212, 204, 239

Deuteranomaly
220, 202, 235

Tritanomaly
226, 201, 225

Monochromacy



Original Color
228, 199, 236

Achromatopsia
212, 212, 212

Achromatomaly
218, 207, 221

CSS Examples

Text

The CSS property to change the color of the text to RYB 228, 199, 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(228, 199, 236) looks like.

```
.text, #text, p{  
    color:rgb(228, 199, 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(228, 199, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 199, 236) }
```

Border

The CSS property to change the border of an element to RYB 228, 199, 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(228, 199, 236) }
```

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

```
.border{ border-color:rgb(228, 199, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 199, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 199, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 199, 236);  
box-shadow:4px 4px 4px 4px rgb(228, 199,  
236) }
```

Background

The CSS property to change the background color of an element to RGB 228, 199, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 199, 236) }
```

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

```
.background{ background-color: rgb(228,  
199, 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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