

Converting Colors

`RYB(231, 200, 221)`

Have a look what the booklet for RYB(231, 200, 221) contains.

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Color

$\text{RYB}(231, 200, 221)$

Conversions

Conversions Part 1

Format	Color
Hex	E7C8DD
RGB	231, 200, 221
RGB Percent	91%, 78%, 87%
CMY	0.0941, 0.2157, 0.1333
CMYK	0.00, 0.13, 0.04, 0.09
HSL	319°, 39%, 85%
HSV	319°, 13%, 91%
XYZ	66.6604, 63.5179, 77.1534
YIQ	211.6630, 11.7350, 13.1030

Conversions

Conversions Part 2

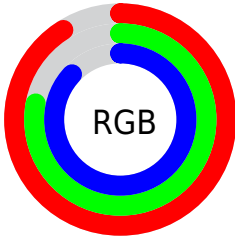
Format	Color
R _Y B	231, 200, 221
Decimal	15190237
CIE Lab	83.71, 14.43, -6.38
CIE LCh	84, 15.782, 336.142
Yxy	63.5179, 0.3215, 0.3064
Android (android.graphics.Color)	4293380317 (0xFFE7C8DD)
YUV	211.6630, 4.6031, 16.9585
Hunter-Lab	79.6981, 9.8277, -1.6082

Details

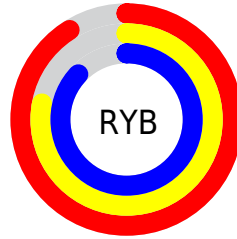
The RYB color **231, 200, 221** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **200, 223, 231**, and the grayscale version is **212, 212, 212**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 146, 166** is the 20% darker color. If you saturate the color by 10%, you get **231, 177, 214**, and if you desaturate by 10%, it is **231, 223, 228**.

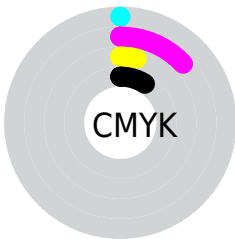
Distribution



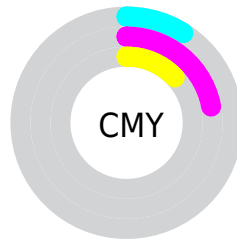
- Red (91%)
- Green (78%)
- Blue (87%)



- Red (91%)
- Yellow (78%)
- Blue (87%)



- Cyan (0%)
- Magenta (13%)
- Yellow (4%)
- Black (9%)



- Cyan (9%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 200, 221 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, 200, 221 by changing the saturation by 10% instead.

■ 231, 200, 221

255, 255, 255

■ 231, 200, 221

■ 203, 173, 193

■ 175, 146, 166

■ 148, 120, 140

■ 123, 95, 114

■ 97, 72, 90

■ 73, 49, 66


■ 51, 28, 44


■ 30, 3, 24


■ 0, 0, 0

 231, 200, 221


 231, 200, 221

 231, 177, 214


 231, 223, 228

 231, 154, 206


 231, 242, 246

 231, 131, 199


 231, 247, 255


 231, 108, 191


 231, 244, 255

 231, 85, 184

 231, 243, 255

 231, 61, 176

 231, 38, 169

 231, 15, 161

 231, 0, 156

Harmonies

Analogous

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



215, 204, 233



231, 200, 221



240, 199, 206

Triad

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



231, 200, 221



191, 218, 179



171, 196, 226

Complementary

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



231, 200, 221



200, 223, 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.



173, 197, 218



231, 200, 221



184, 213, 196

Square

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



231, 200, 221



232, 221, 182



184, 207, 216



180, 201, 235

Rectangle

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



231, 200, 221



240, 199, 196



184, 207, 216



170, 194, 221

Sweetspot

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



231, 200, 221



255, 245, 252



210, 200, 231



128, 121, 125



0, 0, 0



128, 128, 128

Same Dimension

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



231, 200, 221



255, 214, 242



231, 200, 206



115, 103, 111



179, 0, 121



51, 0, 35

Inverse Universe

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



231, 200, 221



255, 214, 242



200, 217, 231



115, 103, 111



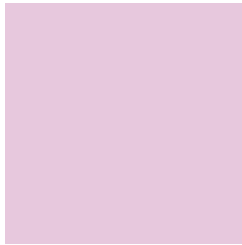
179, 0, 121



51, 0, 35

Previews

White Background



This preview shows how the RYB color 231, 200, 221 looks on a white background.

Color Contrast Check

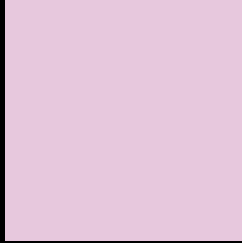
Large Text (above 18pt) WCAG AA × Fail

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, 200, 221 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, 200, 221 Background



This preview shows how black text looks on a background with the RYB color 231, 200, 221.



This preview shows how white text looks on a background with the RYB color 231, 200, 221.

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, 200, 221

Protanopia
208, 207, 226

Deuteranopia
224, 203, 220



Tritanopia
230, 201, 216

Trichromacy



Original Color

231, 200, 221

Protanomaly

216, 204, 224

Deuteranomaly

227, 202, 220

Tritanomaly

230, 201, 218

Monochromacy



Original Color

231, 200, 221

Achromatopsia

212, 212, 212

Achromatomaly

219, 208, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 200, 221 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, 200, 221)` looks like.

```
.text, #text, p{  
    color:rgb(231, 200, 221)  
}
```

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, 200, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 200, 221) }
```

Border

The CSS property to change the border of an element to RYB 231, 200, 221 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, 200, 221) }
```

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

```
.border{ border-color:rgb(231, 200, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 200, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 200, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 200, 221); box-shadow:4px 4px 4px 4px rgb(231, 200, 221) }
```

Background

The CSS property to change the background color of an element to RYB 231, 200, 221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 200, 221) }
```

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

```
.background{ background-color: rgb(231,  
200, 221) }
```

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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