

Converting Colors

`RYB(231, 203, 228)`

Have a look what the booklet for
RYB(231, 203, 228) contains.

RYB(231, 203, 228)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(231, 203, 228)

Conversions

Conversions Part 1

Format	Color
Hex	E7CBE4
RGB	231, 203, 228
RGB Percent	91%, 80%, 89%
CMY	0.0941, 0.2039, 0.1059
CMYK	0.00, 0.12, 0.01, 0.09
HSL	306°, 37%, 85%
HSV	306°, 12%, 91%
XYZ	68.3145, 65.3022, 82.4028
YIQ	214.2220, 8.6630, 13.7110

Conversions

Conversions Part 2

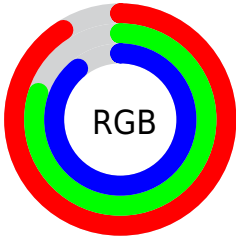
Format	Color
R_{YB}	231, 203, 228
Decimal	15191012
CIE _{Lab}	84.64, 14.09, -8.74
CIE _{LCh}	85, 16.583, 328.178
Yxy	65.3022, 0.3162, 0.3023
Android (android.graphics.Color)	4293381092 (0xFFE7CBE4)
YUV	214.2220, 6.7926, 14.7143
Hunter-Lab	80.8098, 9.4822, -3.8919

Details

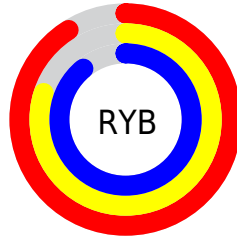
The RYB color **231, 203, 228** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **203, 228, 231**, and the grayscale version is **214, 214, 214**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 149, 173** is the 20% darker color. If you saturate the color by 10%, you get **231, 180, 226**, and if you desaturate by 10%, it is **231, 226, 230**.

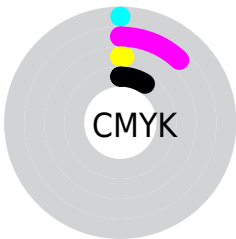
Distribution



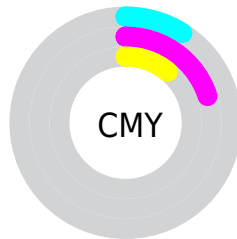
- Red (91%)
- Green (80%)
- Blue (89%)



- Red (91%)
- Yellow (80%)
- Blue (89%)



- Cyan (0%)
- Magenta (12%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 203, 228 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, 203, 228 by changing the saturation by 10% instead.

■ 231, 203, 228

255, 255, 255

■ 231, 203, 228

■ 203, 176, 200

■ 175, 149, 173

■ 149, 123, 146

■ 123, 98, 120

■ 98, 74, 96

■ 74, 51, 72


■ 51, 30, 49


■ 30, 7, 29


■ 0, 0, 0

 231, 203, 228


 231, 203, 228

 231, 180, 226


 231, 226, 230


 231, 157, 223


 231, 247, 249

 231, 134, 221


 231, 252, 255

 231, 111, 218


 231, 250, 255

 231, 88, 216


 231, 248, 255

 231, 64, 213

 231, 247, 255

 231, 41, 211

 231, 246, 255

 231, 18, 208

 231, 245, 255

 231, 0, 206

 231, 244, 255

Harmonies

Analogous

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



213, 208, 239



231, 203, 228



242, 201, 213

Triad

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



231, 203, 228



203, 225, 180



171, 197, 225

Complementary

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



231, 203, 228



203, 228, 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.



176, 201, 220



231, 203, 228



184, 215, 191

Square

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



231, 203, 228



238, 217, 185



190, 215, 219



177, 201, 237

Rectangle

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



231, 203, 228



245, 201, 202



190, 215, 219



171, 196, 220

Sweetspot

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



231, 203, 228



255, 245, 254



206, 203, 231



128, 121, 127



0, 0, 0



128, 128, 128

Same Dimension

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



231, 203, 228



255, 217, 251



231, 203, 214



115, 103, 114



179, 0, 159



51, 0, 46

Inverse Universe

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



231, 203, 228



255, 217, 251



203, 220, 231



115, 103, 114



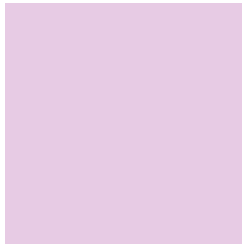
179, 0, 159



51, 0, 46

Previews

White Background



This preview shows how the RYB color 231, 203, 228 looks on a white background.

Color Contrast Check

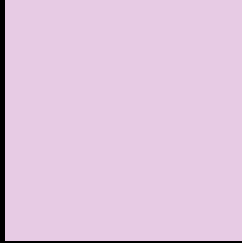
Large Text (above 18pt) WCAG AA × Fail

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, 203, 228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

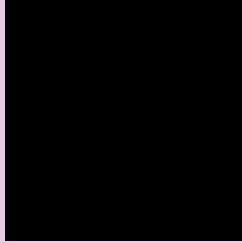
Any Text WCAG AA ✓ Pass

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, 203, 228 Background



This preview shows how black text looks on a background with the RYB color 231, 203, 228.



This preview shows how white text looks on a background with the RYB color 231, 203, 228.

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, 203, 228

Protanopia
209, 210, 232

Deuteranopia
225, 205, 228



Tritanopia
230, 204, 220

Trichromacy



Original Color

231, 203, 228

Protanomaly

217, 207, 231

Deuteranomaly

227, 204, 228

Tritanomaly

230, 204, 223

Monochromacy



Original Color

231, 203, 228

Achromatopsia

214, 214, 214

Achromatomaly

220, 210, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 203, 228 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, 203, 228) looks like.

```
.text, #text, p{  
    color:rgb(231, 203, 228)  
}
```

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, 203, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 203, 228) }
```

Border

The CSS property to change the border of an element to RYB 231, 203, 228 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, 203, 228) }
```

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

```
.border{ border-color:rgb(231, 203, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 203, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 203, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 203, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 203,  
228) }
```

Background

The CSS property to change the background color of an element to RGB 231, 203, 228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 203, 228) }
```

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

```
.background{ background-color: rgb(231,  
203, 228) }
```

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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