

Converting Colors

`RYB(231, 208, 216)`

Have a look what the booklet for RYB(231, 208, 216) contains.

RYB(231, 208, 216)	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, 208, 216)

Conversions

Conversions Part 1

Format	Color
Hex	E7D0D8
RGB	231, 208, 216
RGB Percent	91%, 82%, 85%
CMY	0.0941, 0.1843, 0.1529
CMYK	0.00, 0.10, 0.06, 0.09
HSL	339°, 32%, 86%
HSV	339°, 10%, 91%
XYZ	67.9055, 67.0585, 74.3303
YIQ	215.7890, 11.1400, 7.3640

Conversions

Conversions Part 2

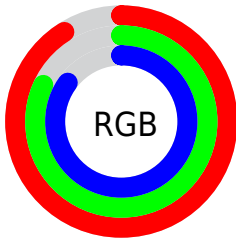
Format	Color
R _Y B	231, 208, 216
Decimal	15192280
CIE Lab	85.53, 9.34, -1.04
CIE LCh	86, 9.398, 353.618
Yxy	67.0585, 0.3244, 0.3204
Android (android.graphics.Color)	4293382360 (0xFFE7D0D8)
YUV	215.7890, 0.1040, 13.3400
Hunter-Lab	81.8893, 4.7124, 3.5054

Details

The RYB color **231, 208, 216** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **208, 222, 231**, and the grayscale version is **216, 216, 216**.

A 20% lighter version of the original color is 255, 255, 255, and **175, 154, 161** is the 20% darker color. If you saturate the color by 10%, you get **231, 185, 201**, and if you desaturate by 10%, it is **231, 231, 231**.

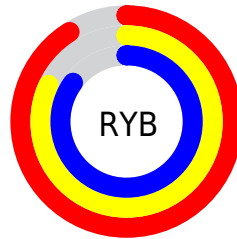
Distribution



Red (91%)

Green (82%)

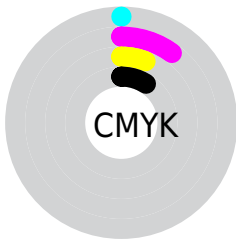
Blue (85%)



Red (91%)

Yellow (82%)

Blue (85%)

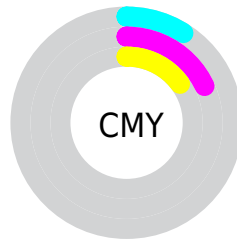


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (9%)



Cyan (9%)

Magenta (18%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the RYB color 231, 208, 216 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, 208, 216 by changing the saturation by 10% instead.

 231, 208, 216

255, 255, 255


 231, 208, 216

 203, 180, 188


 175, 154, 161

 149, 128, 135

 123, 103, 110

 98, 79, 85

 74, 56, 62


 51, 34, 40


 30, 13, 20


 0, 0, 0

 231, 208, 216


 231, 208, 216

 231, 185, 201


 231, 231, 231


 231, 162, 186


 231, 245, 254


 231, 139, 171

 231, 243, 255


 231, 116, 156

 231, 93, 141

 231, 69, 126

 231, 46, 111

 231, 23, 95

 231, 0, 80

Harmonies

Analogous

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



224, 210, 224



231, 208, 216



233, 208, 207

Triad

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



231, 208, 216



197, 215, 199



195, 209, 228

Complementary

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



231, 208, 216



208, 222, 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.



192, 206, 220



231, 208, 216



203, 218, 218

Square

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



231, 208, 216



215, 223, 196



195, 209, 219



203, 211, 231

Rectangle

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



231, 208, 216



232, 211, 202



195, 209, 219



193, 207, 226

Sweetspot

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



231, 208, 216



255, 247, 250



223, 208, 231



128, 122, 124



0, 0, 0



128, 128, 128

Same Dimension

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



231, 208, 216



255, 224, 235



231, 211, 208



115, 103, 107



179, 0, 62



51, 0, 18

Inverse Universe

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



231, 208, 216



255, 224, 235



208, 219, 231



115, 103, 107



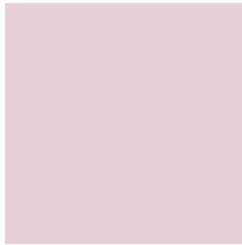
179, 0, 62



51, 0, 18

Previews

White Background



This preview shows how the RYB color 231, 208, 216 looks on a white background.

Color Contrast Check

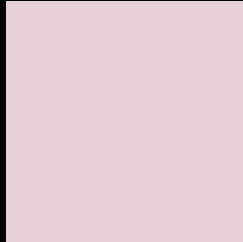
Large Text (above 18pt) WCAG AA × Fail

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, 208, 216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

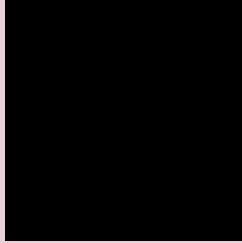
Any Text WCAG AA ✓ Pass

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, 208, 216 Background



This preview shows how black text looks on a background with the RYB color 231, 208, 216.



This preview shows how white text looks on a background with the RYB color 231, 208, 216.

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, 208, 216

Protanopia
216, 213, 219

Deuteranopia
233, 207, 216



Tritanopia
232, 207, 223

Trichromacy



Original Color

231, 208, 216

Protanomaly

221, 211, 218

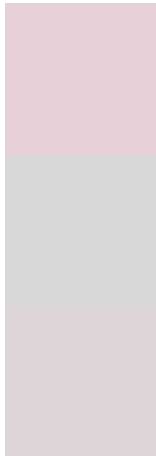
Deuteranomaly

232, 207, 216

Tritanomaly

232, 207, 220

Monochromacy



Original Color

231, 208, 216

Achromatopsia

216, 216, 216

Achromatomaly

221, 213, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 208, 216 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, 208, 216) looks like.

```
.text, #text, p{  
    color:rgb(231, 208, 216)  
}
```

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, 208, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 208, 216) }
```

Border

The CSS property to change the border of an element to RYB 231, 208, 216 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, 208, 216) }
```

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

```
.border{ border-color:rgb(231, 208, 216) }
```

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

Here you see how a box with a 4 pixel rgb(231, 208, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 208, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 208, 216);  
box-shadow:4px 4px 4px 4px rgb(231, 208,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 231, 208, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 208, 216) }
```

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

```
.background{ background-color: rgb(231,  
208, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor