

# Converting Colors

`RYB(215, 202, 225)`

Have a look what the booklet for  
RYB(215, 202, 225) contains.

<b>RYB(215, 202, 225)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(215, 202, 225)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7CAE1
RGB	215, 202, 225
RGB Percent	84%, 79%, 88%
CMY	0.1569, 0.2078, 0.1176
CMYK	0.04, 0.10, 0.00, 0.12
HSL	274°, 28%, 84%
HSV	274°, 10%, 88%
XYZ	62.7355, 62.1244, 79.9189
YIQ	208.5090, 0.3650, 9.9090

# Conversions

## Conversions Part 2

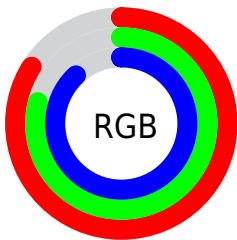
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 202, 225
Decimal	14142177
CIE <sub>Lab</sub>	82.98, 8.70, -9.76
CIE <sub>LCh</sub>	83, 13.074, 311.740
Yxy	62.1244, 0.3064, 0.3034
Android (android.graphics.Color)	4292332257 (0xFFD7CAE1)
YUV	208.5090, 8.1301, 5.6926
Hunter-Lab	78.8190, 4.1426, -4.9440

# Details

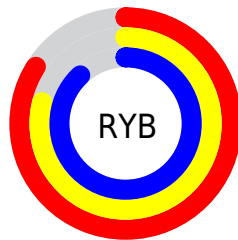
The RYB color **215, 202, 225** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **202, 225, 215**, and the grayscale version is **208, 208, 208**.

A 20% lighter version of the original color is 255, 255, 255, and **160, 148, 170** is the 20% darker color. If you saturate the color by 10%, you get **205, 179, 225**, and if you desaturate by 10%, it is **225, 225, 225**.

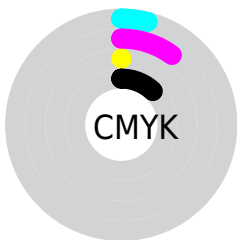
# Distribution



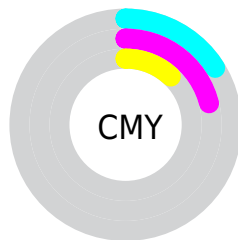
- Red (84%)
- Green (79%)
- Blue (88%)



- Red (84%)
- Yellow (79%)
- Blue (88%)



- Cyan (4%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)



- Cyan (16%)
- Magenta (21%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 215, 202, 225 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 215, 202, 225 by changing the saturation by 10% instead.



■ 215, 202, 225

255, 255, 255

■ 215, 202, 225

■ 187, 175, 197

■ 160, 148, 170

■ 134, 122, 143

■ 109, 97, 118

■ 84, 74, 93

■ 61, 51, 69

■ 39, 30, 47

■ 20, 5, 27

■ 0, 0, 0

 215, 202, 225

 215, 202, 225

 205, 179, 225


 225, 225, 225

 195, 157, 225

 225, 247, 237

 186, 134, 225


 225, 255, 236

 176, 112, 225

 225, 255, 226

 166, 89, 225

 225, 255, 225

 156, 67, 225

 147, 44, 225

 137, 22, 225

 127, 0, 225

# Harmonies

## Analogous

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



200, 205, 230



215, 202, 225



227, 199, 215

# Triad

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



215, 202, 225



224, 220, 184



177, 196, 214

# Complementary

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



215, 202, 225



202, 225, 215

# 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.



185, 204, 213



215, 202, 225



189, 212, 183

# Square

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



215, 202, 225



232, 203, 191



188, 211, 202



177, 197, 222

# Rectangle

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



215, 202, 225



232, 198, 206



188, 211, 202



179, 198, 214



# Sweetspot

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



215, 202, 225



252, 247, 255



202, 209, 225



125, 122, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



215, 202, 225



242, 224, 255



225, 202, 224



107, 101, 112



99, 0, 176



27, 0, 48



# Inverse Universe

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



225, 202, 212



255, 224, 238



202, 224, 225



112, 101, 106



176, 0, 76

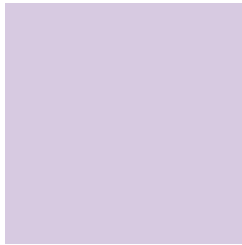


48, 0, 21



# Previews

## White Background



This preview shows how the RYB color 215, 202, 225 looks on a white background.

## Color Contrast Check

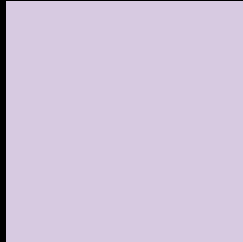
Large Text (above 18pt) WCAG AA × Fail

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 215, 202, 225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

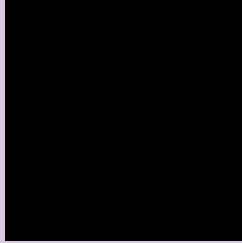
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

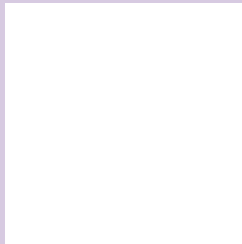
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 215, 202, 225 Background**



This preview shows how black text looks on a background with the RYB color 215, 202, 225.



This preview shows how white text looks on a background with the RYB color 215, 202, 225.

# 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**  
215, 202, 225

**Protanopia**  
204, 205, 227

**Deuteranopia**  
218, 201, 225



# Tritanopia

214, 203, 219

# Trichromacy



## Original Color

215, 202, 225

## Protanomaly

208, 204, 226

## Deuteranomaly

217, 201, 225

## Tritanomaly

214, 203, 221

# Monochromacy



## Original Color

215, 202, 225

## Achromatopsia

209, 209, 209

## Achromatomaly

211, 206, 215

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 215, 202, 225 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(215, 202, 225)` looks like.

```
.text, #text, p{  
    color:rgb(215, 202, 225)  
}
```

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(215, 202, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 202, 225) }
```

## Border

The CSS property to change the border of an element to RYB 215, 202, 225 is called "border". The border property can be set on classes, ids or directly on the HTML element.

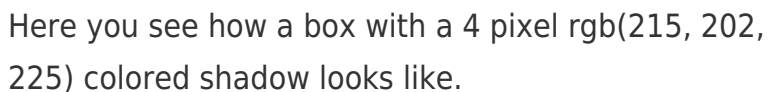
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 202, 225) }
```

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

```
.border{ border-color:rgb(215, 202, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 202, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 202, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 202, 225); box-shadow:4px 4px 4px 4px rgb(215, 202, 225) }
```

# Background

The CSS property to change the background color of an element to RYB 215, 202, 225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 202, 225) }
```

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

```
.background{ background-color: rgb(215,  
202, 225) }
```

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