

# Converting Colors

`RYB(198, 162, 215)`

Have a look what the booklet for  
RYB(198, 162, 215) contains.

<b>RYB(198, 162, 215)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(198, 162, 215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6A2D7
RGB	198, 162, 215
RGB Percent	78%, 64%, 84%
CMY	0.2235, 0.3647, 0.1569
CMYK	0.08, 0.25, 0.00, 0.16
HSL	281°, 40%, 74%
HSV	281°, 25%, 84%
XYZ	48.4748, 42.7527, 69.9872
YIQ	178.8060, 4.4430, 24.1150

# Conversions

## Conversions Part 2

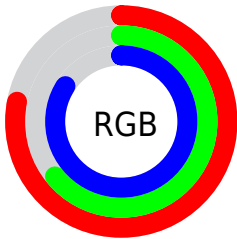
Format	Color
R <sub>Y</sub> B	198, 162, 215
Decimal	13017815
CIE Lab	71.39, 22.81, -21.94
CIE LCh	71, 31.649, 316.123
Yxy	42.7527, 0.3007, 0.2652
Android (android.graphics.Color)	4291207895 (0xFFC6A2D7)
YUV	178.8060, 17.8436, 16.8331
Hunter-Lab	65.3856, 17.9095, -17.6927

# Details

The RYB color **198, 162, 215** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **162, 215, 198**, and the grayscale version is **179, 179, 179**.

A 20% lighter version of the original color is **255, 217, 255**, and **144, 110, 160** is the 20% darker color. If you saturate the color by 10%, you get **191, 140, 215**, and if you desaturate by 10%, it is **205, 184, 215**.

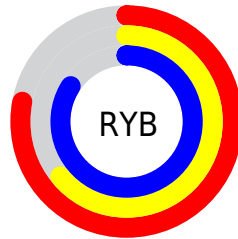
# Distribution



Red (78%)

Green (64%)

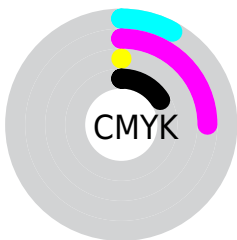
Blue (84%)



Red (78%)

Yellow (64%)

Blue (84%)

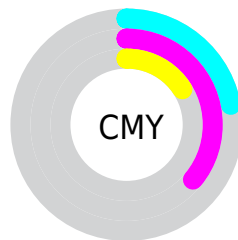


Cyan (8%)

Magenta (25%)

Yellow (0%)

Black (16%)



Cyan (22%)

Magenta (36%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 198, 162, 215 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 198, 162, 215 by changing the saturation by 10% instead.





 198, 162, 215

255, 255, 255

 255, 217, 255

 255, 246, 255


 198, 162, 215

 170, 136, 187

 144, 110, 160

 118, 85, 134

 92, 62, 108

 68, 39, 84

 45, 18, 61


 27, 0, 39

 0, 1, 16


 0, 0, 0

 198, 162, 215

 198, 162, 215

 191, 140, 215


 205, 184, 215

 184, 119, 215

 212, 205, 215

 177, 97, 215

 215, 227, 223

 170, 76, 215


 215, 248, 237

 164, 54, 215

 215, 255, 238

 157, 33, 215

 215, 255, 231

 150, 11, 215

 215, 255, 224

 146, 0, 215

 215, 255, 217

 215, 255, 215

# Harmonies

## Analogous

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



160, 170, 230



198, 162, 215



223, 155, 189

# Triad

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



198, 162, 215



189, 207, 119



85, 138, 191

# Complementary

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



198, 162, 215



162, 215, 198

# 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.



113, 161, 190



198, 162, 215



120, 179, 119

# Square

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



198, 162, 215



226, 168, 134



134, 185, 172



84, 142, 215

# Rectangle

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



198, 162, 215



231, 153, 170



134, 185, 172



93, 145, 191



# Sweetspot

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



198, 162, 215



249, 237, 255



162, 175, 215



124, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



198, 162, 215



230, 179, 255



215, 162, 206



104, 96, 107



116, 0, 171



29, 0, 43



# Inverse Universe

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



215, 162, 179



255, 179, 203



162, 207, 215



107, 96, 100



171, 0, 55



43, 0, 14



# Previews

## White Background



This preview shows how the RYB color 198, 162, 215 looks on a white background.

## Color Contrast Check

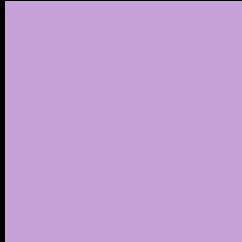
Large Text (above 18pt) WCAG AA × Fail

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 198, 162, 215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

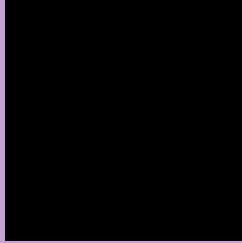
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 198, 162, 215 Background



This preview shows how black text looks on a background with the RYB color 198, 162, 215.



This preview shows how white text looks on a background with the RYB color 198, 162, 215.

# 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**  
198, 162, 215

**Protanopia**  
162, 171, 223

**Deuteranopia**  
173, 171, 213



**Tritanopia**  
193, 168, 181

# Trichromacy



**Original Color**  
198, 162, 215

**Protanomaly**  
175, 169, 220

**Deuteranomaly**  
182, 168, 214

**Tritanomaly**  
195, 166, 193

# Monochromacy



**Original Color**  
198, 162, 215

**Achromatopsia**  
179, 179, 179

**Achromatomaly**  
186, 173, 192

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 198, 162, 215 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(198, 162, 215)` looks like.

```
.text, #text, p{  
    color:rgb(198, 162, 215)  
}
```

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(198, 162, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 162, 215) }
```

## Border

The CSS property to change the border of an element to RYB 198, 162, 215 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(198, 162, 215) }
```

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

```
.border{ border-color:rgb(198, 162, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 162, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 162, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 162, 215);  
box-shadow:4px 4px 4px 4px rgb(198, 162,  
215) }
```

# Background

The CSS property to change the background color of an element to RYB 198, 162, 215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 162, 215) }
```

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

```
.background{ background-color: rgb(198,  
162, 215) }
```

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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