

# Converting Colors

`RYB(202, 164, 216)`

Have a look what the booklet for  
RYB(202, 164, 216) contains.

<b>RYB(202, 164, 216)</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(202, 164, 216)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAA4D8
RGB	202, 164, 216
RGB Percent	79%, 64%, 85%
CMY	0.2078, 0.3569, 0.1529
CMYK	0.06, 0.24, 0.00, 0.15
HSL	284°, 40%, 75%
HSV	284°, 24%, 85%
XYZ	50.0273, 44.0653, 70.8345
YIQ	181.2900, 5.9560, 24.2280

# Conversions

## Conversions Part 2

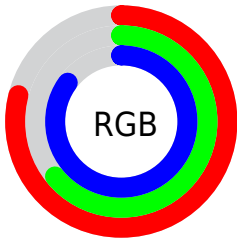
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">202, 164, 216</a>
Decimal	<a href="#">13280472</a>
CIELab	<a href="#">72.27, 23.22, -21.10</a>
CIELCh	<a href="#">72, 31.375, 317.730</a>
Yxy	<a href="#">44.0653, 0.3033, 0.2672</a>
Android (android.graphics.Color)	<a href="#">4291470552 (0xFFCAA4D8)</a>
YUV	<a href="#">181.2900, 17.1120, 18.1627</a>
Hunter-Lab	<a href="#">66.3817, 18.3549, -16.7998</a>

# Details

The RYB color **202, 164, 216** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **164, 216, 202**, and the grayscale version is **181, 181, 181**.

A 20% lighter version of the original color is **255, 219, 255**, and **147, 112, 161** is the 20% darker color. If you saturate the color by 10%, you get **196, 142, 216**, and if you desaturate by 10%, it is **208, 186, 216**.

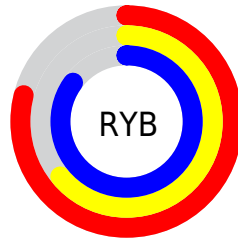
# Distribution



Red (79%)

Green (64%)

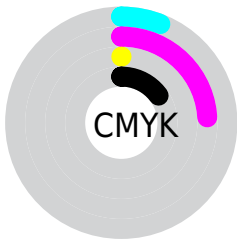
Blue (85%)



Red (79%)

Yellow (64%)

Blue (85%)

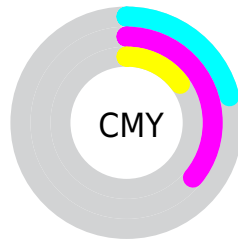


Cyan (6%)

Magenta (24%)

Yellow (0%)

Black (15%)



Cyan (21%)

Magenta (36%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 202, 164, 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 202, 164, 216 by changing the saturation by 10% instead.




 202, 164, 216

 202, 164, 216


255, 255, 255

 174, 138, 188

 255, 219, 255


 147, 112, 161

 255, 248, 255

 121, 87, 135

 96, 63, 109

 72, 41, 85

 48, 19, 61

 29, 0, 40

 0, 1, 17


 0, 0, 0

 202, 164, 216

 202, 164, 216

 196, 142, 216

 208, 186, 216

 190, 121, 216


 214, 207, 216

 185, 99, 216

 216, 229, 226

 179, 78, 216


 216, 250, 241

 173, 56, 216

 216, 255, 240

 167, 34, 216

 216, 255, 234

 161, 13, 216

 216, 255, 228

 158, 0, 216

 216, 255, 222

 216, 255, 217

# Harmonies

## Analogous

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



165, 173, 232



202, 164, 216



226, 157, 190

# Triad

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



202, 164, 216



187, 208, 122



88, 141, 194

# Complementary

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



202, 164, 216



164, 216, 202

# 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.



114, 162, 192



202, 164, 216



122, 181, 123

# Square

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



202, 164, 216



228, 172, 136



138, 188, 179



89, 146, 219

# Rectangle

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



202, 164, 216



234, 156, 171



138, 188, 179



95, 146, 193



# Sweetspot

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



202, 164, 216



250, 237, 255



164, 176, 216



125, 117, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



202, 164, 216



235, 181, 255



216, 164, 205



104, 96, 107



125, 0, 171



32, 0, 43



# Inverse Universe

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



216, 164, 178



255, 181, 201



164, 207, 216



107, 96, 99



171, 0, 46



43, 0, 12



# Previews

## White Background



This preview shows how the RYB color 202, 164, 216 looks on a white background.

## Color Contrast Check

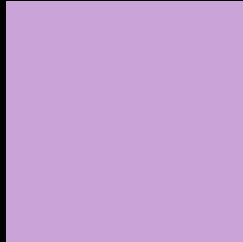
Large Text (above 18pt) WCAG AA × Fail

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 202, 164, 216 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

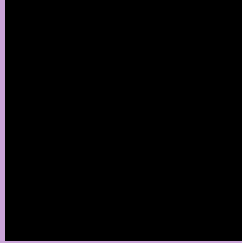
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 202, 164, 216 Background



This preview shows how black text looks on a background with the RYB color 202, 164, 216.



This preview shows how white text looks on a background with the RYB color 202, 164, 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**  
202, 164, 216

**Protanopia**  
165, 174, 224

**Deuteranopia**  
176, 173, 214



**Tritanopia**  
197, 170, 183

# Trichromacy



**Original Color**  
202, 164, 216

**Protanomaly**  
178, 172, 221

**Deuteranomaly**  
185, 170, 215

**Tritanomaly**  
199, 168, 195

# Monochromacy



**Original Color**  
202, 164, 216

**Achromatopsia**  
181, 181, 181

**Achromatomaly**  
189, 175, 194

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 202, 164, 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(202, 164, 216)` looks like.

```
.text, #text, p{  
    color:rgb(202, 164, 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(202, 164, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 164, 216) }
```

## Border

The CSS property to change the border of an element to RYB 202, 164, 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(202, 164, 216) }
```

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

```
.border{ border-color:rgb(202, 164, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 164, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 164, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 164, 216);  
box-shadow:4px 4px 4px 4px rgb(202, 164,  
216) }
```

# Background

The CSS property to change the background color of an element to RGB 202, 164, 216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 164, 216) }
```

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

```
.background{ background-color: rgb(202,  
164, 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