

# Converting Colors

`RYB(212, 144, 190)`

Have a look what the booklet for  
RYB(212, 144, 190) contains.

<b>RYB(212, 144, 190)</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(212, 144, 190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D490BE
RGB	212, 144, 190
RGB Percent	83%, 56%, 75%
CMY	0.1686, 0.4353, 0.2549
CMYK	0.00, 0.32, 0.10, 0.17
HSL	319°, 44%, 70%
HSV	319°, 32%, 83%
XYZ	46.4189, 37.6613, 53.5380
YIQ	169.5760, 25.7620, 28.7220

# Conversions

## Conversions Part 2

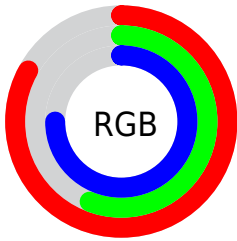
Format	Color
R <sub>Y</sub> B	212, 144, 190
Decimal	13930686
CIE Lab	67.77, 32.67, -13.43
CIE LCh	68, 35.324, 337.662
Yxy	37.6613, 0.3373, 0.2737
Android (android.graphics.Color)	4292120766 (0xFFD490BE)
YUV	169.5760, 10.0690, 37.2058
Hunter-Lab	61.3688, 27.6207, -8.7663

# Details

The RYB color **212, 144, 190** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **144, 195, 212**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **255, 199, 246**, and **156, 92, 137** is the 20% darker color. If you saturate the color by 10%, you get **212, 123, 183**, and if you desaturate by 10%, it is **212, 165, 197**.

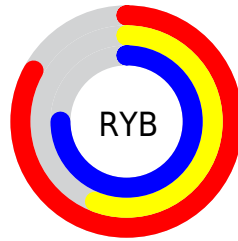
# Distribution



Red (83%)

Green (56%)

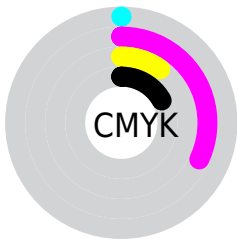
Blue (75%)



Red (83%)

Yellow (56%)

Blue (75%)

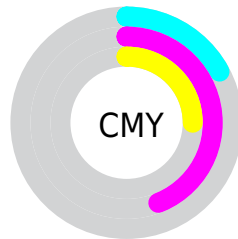


Cyan (0%)

Magenta (32%)

Yellow (10%)

Black (17%)



Cyan (17%)

Magenta (44%)


Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 212, 144, 190 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 212, 144, 190 by changing the saturation by 10% instead.





 212, 144, 190

255, 255, 255


 255, 199, 246

 255, 227, 255


 212, 144, 190

 184, 118, 163

 156, 92, 137

 130, 68, 111

 103, 44, 87


 78, 19, 63


 54, 0, 41

 33, 0, 21


 0, 0, 0

 212, 144, 190

 212, 144, 190

 212, 123, 183

 212, 165, 197

 212, 102, 176

 212, 186, 204

 212, 80, 169

 212, 208, 211

 212, 59, 163

 212, 225, 229

 212, 38, 156

 212, 241, 250

 212, 17, 149

 212, 242, 255

 212, 0, 143

 212, 239, 255

 212, 236, 255

 212, 234, 255

# Harmonies

## Analogous

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



180, 154, 216



212, 144, 190



227, 140, 158

# Triad

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



212, 144, 190



115, 178, 101



40, 116, 203

# Complementary

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



212, 144, 190



144, 195, 212

# 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.



63, 125, 182



212, 144, 190



114, 175, 145

# Square

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



212, 144, 190



207, 199, 107



105, 156, 180



80, 137, 223

# Rectangle

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



212, 144, 190



227, 143, 137



105, 156, 180



41, 114, 194



# Sweetspot

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



212, 144, 190



255, 230, 247



166, 144, 212



128, 112, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



212, 144, 190



255, 158, 224



212, 144, 156



107, 96, 104



171, 0, 116



43, 0, 29



# Inverse Universe

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



212, 144, 190



255, 158, 224



144, 181, 212



107, 96, 104



171, 0, 116

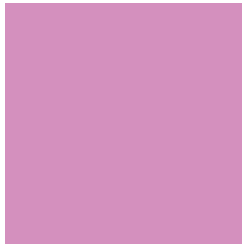


43, 0, 29



# Previews

## White Background



This preview shows how the RYB color 212, 144, 190 looks on a white background.

## Color Contrast Check

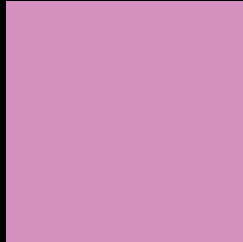
Large Text (above 18pt) WCAG AA × Fail

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 212, 144, 190 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 212, 144, 190 Background**



This preview shows how black text looks on a background with the RYB color 212, 144, 190.

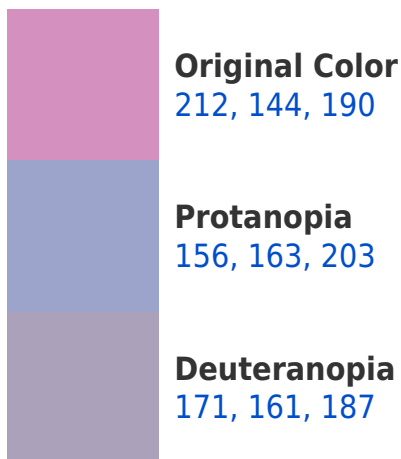


This preview shows how white text looks on a background with the RYB color 212, 144, 190.

# 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





**Tritanopia**  
208, 149, 161

# Trichromacy



**Original Color**

212, 144, 190



**Protanomaly**

176, 157, 198



**Deuteranomaly**

186, 155, 188



**Tritanomaly**

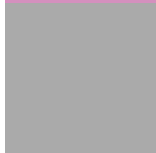
209, 147, 172

# Monochromacy



**Original Color**

212, 144, 190



**Achromatopsia**

170, 170, 170



**Achromatomaly**

185, 161, 177

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 212, 144, 190 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(212, 144, 190)` looks like.

```
.text, #text, p{  
    color:rgb(212, 144, 190)  
}
```

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(212, 144, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 144, 190) }
```

## Border

The CSS property to change the border of an element to RYB 212, 144, 190 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(212, 144, 190) }
```

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

```
.border{ border-color:rgb(212, 144, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 144, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 144, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 144, 190);  
box-shadow:4px 4px 4px 4px rgb(212, 144,  
190) }
```

# Background

The CSS property to change the background color of an element to RGB 212, 144, 190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 144, 190) }
```

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

```
.background{ background-color: rgb(212,  
144, 190) }
```

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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