

# Converting Colors

`RYB(212, 145, 182)`

Have a look what the booklet for  
RYB(212, 145, 182) contains.

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# Color

**R<sub>Y</sub>B(212, 145, 182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D491B6
RGB	212, 145, 182
RGB Percent	83%, 57%, 71%
CMY	0.1686, 0.4314, 0.2863
CMYK	0.00, 0.32, 0.14, 0.17
HSL	327°, 44%, 70%
HSV	327°, 32%, 83%
XYZ	45.7203, 37.6252, 49.1086
YIQ	169.2510, 28.0550, 25.7110

# Conversions

## Conversions Part 2

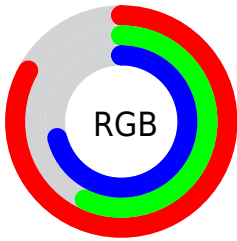
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	212, 145, 182
Decimal	13930934
CIE Lab	67.74, 30.80, -8.99
CIE LCh	68, 32.088, 343.725
Yxy	37.6252, 0.3452, 0.2841
Android (android.graphics.Color)	4292121014 (0xFFD491B6)
YUV	169.2510, 6.2853, 37.4909
Hunter-Lab	61.3394, 25.7037, -4.5303

# Details

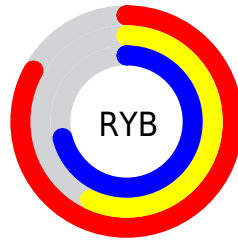
The RYB color **212, 145, 182** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **145, 191, 212**, and the grayscale version is **169, 169, 169**.

A 20% lighter version of the original color is **255, 200, 238**, and **156, 93, 129** is the 20% darker color. If you saturate the color by 10%, you get **212, 124, 173**, and if you desaturate by 10%, it is **212, 166, 191**.

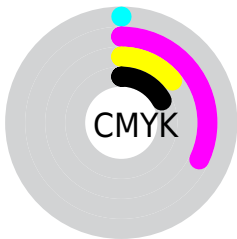
# Distribution



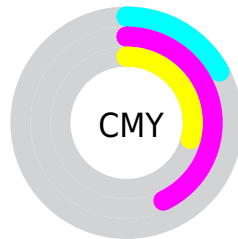
- Red (83%)
- Green (57%)
- Blue (71%)



- Red (83%)
- Yellow (57%)
- Blue (71%)



- Cyan (0%)
- Magenta (32%)
- Yellow (14%)
- Black (17%)




- Cyan (17%)
- Magenta (43%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 212, 145, 182 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, 145, 182 by changing the saturation by 10% instead.



 212, 145, 182

 212, 145, 182

255, 255, 255

 184, 119, 155

 255, 200, 238

 156, 93, 129

 255, 228, 255

 129, 69, 104

 103, 45, 80


 78, 21, 57


 54, 0, 35

 33, 0, 13

 0, 0, 0

 212, 145, 182

 212, 145, 182

 212, 124, 173

 212, 166, 191

 212, 103, 163

 212, 187, 201

 212, 81, 154

 212, 209, 210

 212, 60, 144

 212, 224, 230

 212, 39, 135

 212, 239, 251

 212, 18, 125

 212, 238, 255

 212, 0, 117

 212, 235, 255

 212, 234, 255

# Harmonies

## Analogous

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



186, 153, 207



212, 145, 182



222, 143, 153

# Triad

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



212, 145, 182



113, 172, 108



68, 129, 204

# Complementary

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



212, 145, 182



145, 191, 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.



73, 128, 181



212, 145, 182



122, 175, 158

# Square

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



212, 145, 182



186, 199, 110



105, 153, 180



101, 145, 220

# Rectangle

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



212, 145, 182



221, 148, 134



105, 153, 180



65, 126, 196



# Sweetspot

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



212, 145, 182



255, 232, 245



174, 145, 212



128, 113, 121



0, 0, 0



128, 128, 128



# Same Dimension

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



212, 145, 182



255, 158, 212



212, 145, 149



107, 96, 102



171, 0, 94



43, 0, 24



# Inverse Universe

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



212, 145, 182



255, 158, 212



145, 180, 212



107, 96, 102



171, 0, 94

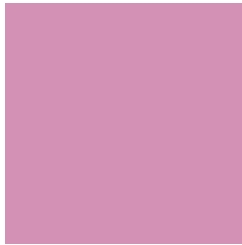


43, 0, 24



# Previews

## White Background



This preview shows how the RYB color 212, 145, 182 looks on a white background.

## Color Contrast Check

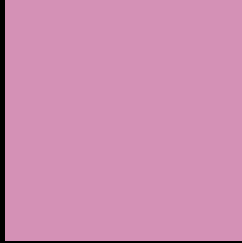
Large Text (above 18pt) WCAG AA × Fail

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, 145, 182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

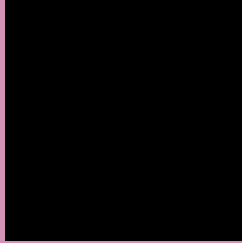
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## R Y B 212, 145, 182 Background



This preview shows how black text looks on a background with the R Y B color 212, 145, 182.

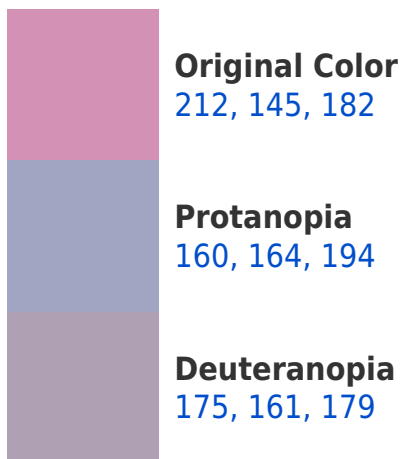


This preview shows how white text looks on a background with the R Y B color 212, 145, 182.

# 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**  
209, 149, 160

# Trichromacy



**Original Color**

212, 145, 182



**Protanomaly**

179, 157, 190



**Deuteranomaly**

188, 155, 180



**Tritanomaly**

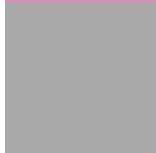
210, 148, 168

# Monochromacy



**Original Color**

212, 145, 182



**Achromatopsia**

169, 169, 169



**Achromatomaly**

185, 160, 174

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 212, 145, 182 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, 145, 182) looks like.

```
.text, #text, p{  
    color:rgb(212, 145, 182)  
}
```

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, 145, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 145, 182) }
```

## Border

The CSS property to change the border of an element to RYB 212, 145, 182 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, 145, 182) }
```

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

```
.border{ border-color:rgb(212, 145, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 145, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 145, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 145, 182);  
box-shadow:4px 4px 4px 4px rgb(212, 145,  
182) }
```

# Background

The CSS property to change the background color of an element to RGB 212, 145, 182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 145, 182) }
```

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

```
.background{ background-color: rgb(212,  
145, 182) }
```

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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