

# Converting Colors

`RYB(210, 182, 226)`

Have a look what the booklet for RYB(210, 182, 226) contains.

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# **Color**

**$\text{RYB}(210, 182, 226)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2B6E2
RGB	210, 182, 226
RGB Percent	82%, 71%, 89%
CMY	0.1765, 0.2863, 0.1137
CMYK	0.07, 0.19, 0.00, 0.11
HSL	278°, 43%, 80%
HSV	278°, 19%, 89%
XYZ	57.0338, 52.6485, 79.1077
YIQ	195.3880, 2.5640, 19.6200

# Conversions

## Conversions Part 2

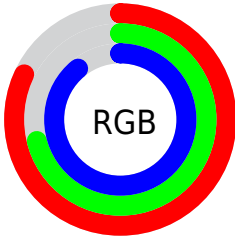
Format	Color
R <sub>Y</sub> B	210, 182, 226
Decimal	13809378
CIE Lab	77.67, 17.99, -18.30
CIE LCh	78, 25.665, 314.512
Yxy	52.6485, 0.3021, 0.2789
Android (android.graphics.Color)	4291999458 (0xFFD2B6E2)
YUV	195.3880, 15.0917, 12.8147
Hunter-Lab	72.5593, 13.3275, -13.8493

# Details

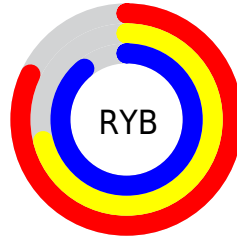
The RYB color **210, 182, 226** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **182, 226, 210**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **255, 238, 255**, and **155, 129, 171** is the 20% darker color. If you saturate the color by 10%, you get **202, 159, 226**, and if you desaturate by 10%, it is **218, 205, 226**.

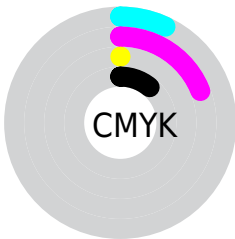
# Distribution



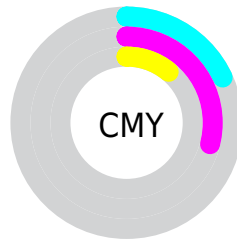
- Red (82%)
- Green (71%)
- Blue (89%)



- Red (82%)
- Yellow (71%)
- Blue (89%)



- Cyan (7%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)




- Cyan (18%)
- Magenta (29%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 210, 182, 226 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 210, 182, 226 by changing the saturation by 10% instead.



 210, 182, 226

 210, 182, 226

255, 255, 255

 182, 155, 198

 255, 238, 255

 155, 129, 171

 129, 104, 144

 104, 80, 118

 79, 56, 94


 56, 35, 70


 33, 14, 47

 4, 0, 27


 0, 0, 0

 210, 182, 226


 210, 182, 226

 202, 159, 226

 218, 205, 226

 194, 137, 226

 226, 227, 227

 185, 114, 226


 226, 250, 241

 177, 92, 226

 226, 255, 238

 169, 69, 226

 226, 255, 230

 161, 46, 226

 226, 255, 226

 152, 24, 226

 144, 1, 226

 144, 0, 226

# Harmonies

## Analogous

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



179, 188, 238



210, 182, 226



232, 176, 205

# Triad

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



210, 182, 226



213, 221, 147



126, 166, 205

# Complementary

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



210, 182, 226



182, 226, 210

# 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.



145, 184, 205



210, 182, 226



150, 198, 146

# Square

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



210, 182, 226



236, 185, 160



157, 201, 187



126, 169, 224

# Rectangle

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



210, 182, 226



239, 175, 189



157, 201, 187



131, 171, 206



# Sweetspot

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



210, 182, 226



249, 240, 255



182, 194, 226



124, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



210, 182, 226



234, 196, 255



226, 182, 220



108, 101, 112



112, 0, 176



31, 0, 48



# Inverse Universe

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



226, 182, 198



255, 196, 218



182, 221, 226



112, 101, 105



176, 0, 64



48, 0, 18



# Previews

## White Background



This preview shows how the RYB color 210, 182, 226 looks on a white background.

## Color Contrast Check

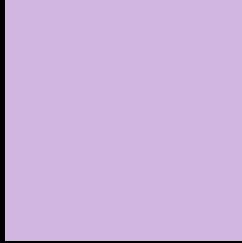
Large Text (above 18pt) WCAG AA × Fail

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 210, 182, 226 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 210, 182, 226 Background



This preview shows how black text looks on a background with the RYB color 210, 182, 226.

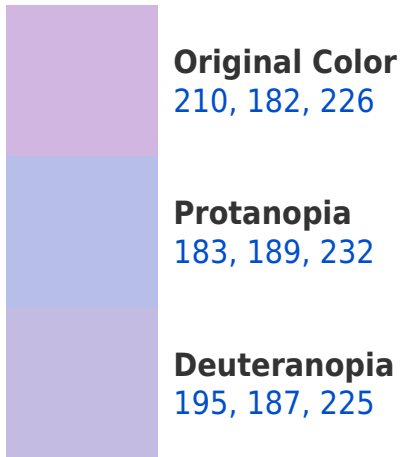



This preview shows how white text looks on a background with the RYB color 210, 182, 226.

# 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**  
206, 186, 201

# Trichromacy



**Original Color**  
210, 182, 226

**Protanomaly**  
193, 187, 230

**Deuteranomaly**  
200, 185, 225

**Tritanomaly**  
207, 185, 210

# Monochromacy



**Original Color**  
210, 182, 226

**Achromatopsia**  
195, 195, 195

**Achromatomaly**  
200, 190, 206

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 210, 182, 226 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(210, 182, 226) looks like.

```
.text, #text, p{  
    color:rgb(210, 182, 226)  
}
```

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(210, 182, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 182, 226) }
```

## Border

The CSS property to change the border of an element to RYB 210, 182, 226 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(210, 182, 226) }
```

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

```
.border{ border-color:rgb(210, 182, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 182, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 182, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 182, 226);  
box-shadow:4px 4px 4px 4px rgb(210, 182,  
226) }
```

# Background

The CSS property to change the background color of an element to RYB 210, 182, 226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 182, 226) }
```

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

```
.background{ background-color: rgb(210,  
182, 226) }
```

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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