

# Converting Colors

`RYB(197, 136, 213)`

Have a look what the booklet for  
RYB(197, 136, 213) contains.

<b>RYB(197, 136, 213)</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(197, 136, 213)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C588D5
RGB	197, 136, 213
RGB Percent	77%, 53%, 84%
CMY	0.2275, 0.4667, 0.1647
CMYK	0.08, 0.36, 0.00, 0.16
HSL	288°, 48%, 68%
HSV	288°, 36%, 84%
XYZ	43.8404, 34.2827, 67.2574
YIQ	163.0170, 11.6390, 36.8790

# Conversions

## Conversions Part 2

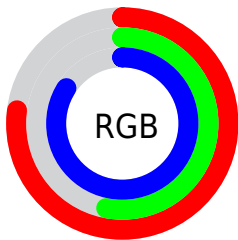
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 136, 213
Decimal	12945621
CIE <sub>Lab</sub>	65.19, 36.38, -30.35
CIE <sub>LCh</sub>	65, 47.379, 320.161
Yxy	34.2827, 0.3016, 0.2358
Android (android.graphics.Color)	4291135701 (0xFFC588D5)
YUV	163.0170, 24.6416, 29.8031
Hunter-Lab	58.5515, 31.1867, -27.1197

# Details

The RYB color **197, 136, 213** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **136, 213, 197**, and the grayscale version is **163, 163, 163**.

A 20% lighter version of the original color is **255, 190, 255**, and **142, 85, 158** is the 20% darker color. If you saturate the color by 10%, you get **193, 115, 213**, and if you desaturate by 10%, it is **201, 157, 213**.

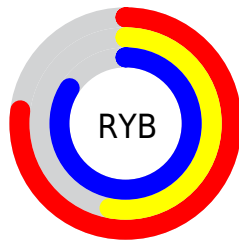
# Distribution



Red (77%)

Green (53%)

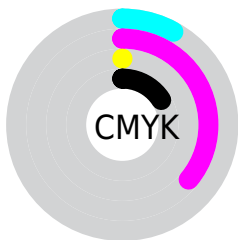
Blue (84%)



Red (77%)

Yellow (53%)

Blue (84%)

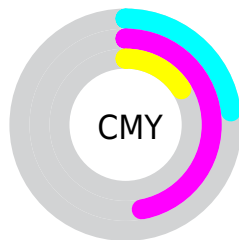


Cyan (8%)

Magenta (36%)

Yellow (0%)

Black (16%)



Cyan (23%)

Magenta (47%)


Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 197, 136, 213 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 197, 136, 213 by changing the saturation by 10% instead.



 197, 136, 213

 197, 136, 213

255, 255, 255

 169, 110, 185

 255, 190, 255

 142, 85, 158


 255, 218, 255

 115, 60, 132

 255, 247, 255

 90, 36, 106


 65, 10, 82

 41, 0, 58

 13, 0, 36


 0, 0, 12


 0, 0, 0

 197, 136, 213

 197, 136, 213

 193, 115, 213


 201, 157, 213

 188, 93, 213

 206, 179, 213

 184, 72, 213

 210, 200, 213

 179, 51, 213

 213, 221, 219

 175, 30, 213

 213, 243, 237

 170, 8, 213

 213, 255, 244

 169, 0, 213

 213, 255, 240

 213, 255, 236

 213, 255, 231

# Harmonies

## Analogous

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



139, 151, 238



197, 136, 213



230, 124, 174

# Triad

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



197, 136, 213



142, 195, 73



0, 91, 186

# Complementary

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



197, 136, 213



136, 213, 197

# 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.



14, 107, 179



197, 136, 213



75, 165, 85

# Square

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



197, 136, 213



225, 153, 95



102, 174, 170



0, 98, 222

# Rectangle

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



197, 136, 213



238, 123, 145



102, 174, 170



0, 92, 180



# Sweetspot

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



197, 136, 213



249, 227, 255



136, 150, 213



124, 111, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



197, 136, 213



232, 145, 255



213, 136, 191



105, 96, 107



135, 0, 171



34, 0, 43



# Inverse Universe

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



213, 136, 152



255, 145, 168



136, 196, 213



107, 96, 99



171, 0, 36

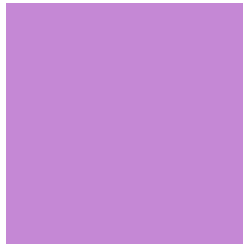


43, 0, 9



# Previews

## White Background



This preview shows how the RYB color 197, 136, 213 looks on a white background.

## Color Contrast Check

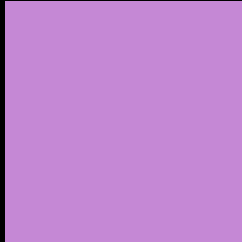
Large Text (above 18pt) WCAG AA × Fail

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 197, 136, 213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

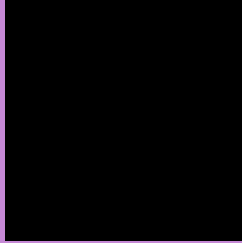
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 197, 136, 213 Background



This preview shows how black text looks on a background with the RYB color 197, 136, 213.

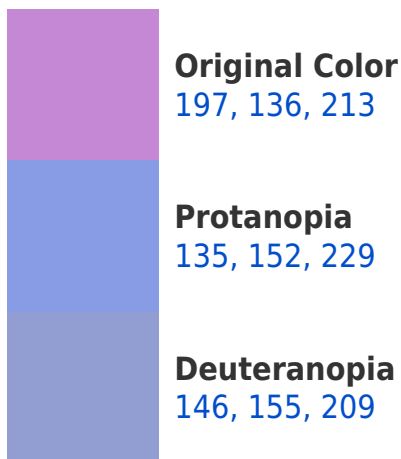


This preview shows how white text looks on a background with the RYB color 197, 136, 213.

# 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**  
189, 147, 159

# Trichromacy



**Original Color**

197, 136, 213



**Protanomaly**

158, 149, 223



**Deuteranomaly**

165, 149, 210



**Tritanomaly**

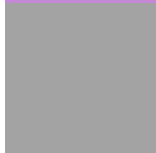
192, 143, 179

# Monochromacy



**Original Color**

197, 136, 213



**Achromatopsia**

163, 163, 163



**Achromatomaly**

175, 153, 181

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 197, 136, 213 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(197, 136, 213)` looks like.

```
.text, #text, p{  
    color:rgb(197, 136, 213)  
}
```

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(197, 136, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 136, 213) }
```

## Border

The CSS property to change the border of an element to RYB 197, 136, 213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

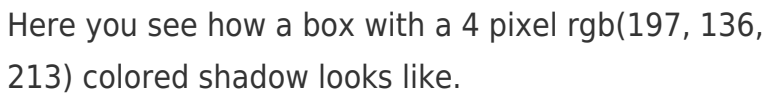
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 136, 213) }
```

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

```
.border{ border-color:rgb(197, 136, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 136, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 136, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 136, 213); box-shadow:4px 4px 4px 4px rgb(197, 136, 213) }
```

# Background

The CSS property to change the background color of an element to RYB 197, 136, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 136, 213) }
```

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

```
.background{ background-color: rgb(197,  
136, 213) }
```

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