

# Converting Colors

`RYB(196, 92, 178)`

Have a look what the booklet for  
RYB(196, 92, 178) contains.

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# **Color**

**R<sub>Y</sub>B(196, 92, 178)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C45CB2
RGB	196, 92, 178
RGB Percent	77%, 36%, 70%
CMY	0.2314, 0.6392, 0.3020
CMYK	0.00, 0.53, 0.09, 0.23
HSL	310°, 47%, 56%
HSV	310°, 53%, 77%
XYZ	34.6280, 22.6044, 44.6575
YIQ	132.9000, 34.3780, 48.7940

# Conversions

## Conversions Part 2

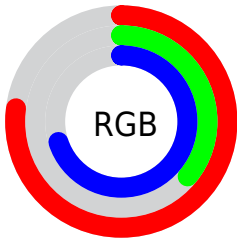
Format	Color
<a href="#">RYB</a>	<a href="#">196, 92, 178</a>
Decimal	<a href="#">12868786</a>
CIELab	<a href="#">54.66, 52.53, -26.76</a>
CIELCh	<a href="#">55, 58.954, 333.000</a>
Yxy	<a href="#">22.6044, 0.3399, 0.2219</a>
Android (android.graphics.Color)	<a href="#">4291058866 (0xFFC45CB2)</a>
YUV	<a href="#">132.9000, 22.2343, 55.3387</a>
Hunter-Lab	<a href="#">47.5441, 46.8055, -22.4094</a>

# Details

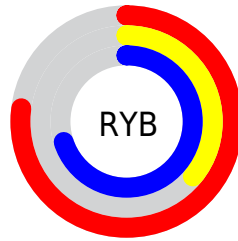
The RYB color **196, 92, 178** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **92, 181, 196**, and the grayscale version is **133, 133, 133**.

A 20% lighter version of the original color is **255, 146, 234**, and **140, 37, 125** is the 20% darker color. If you saturate the color by 10%, you get **196, 72, 175**, and if you desaturate by 10%, it is **196, 112, 181**.

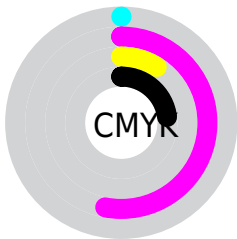
# Distribution



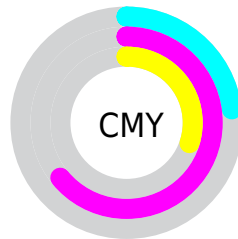
- Red (77%)
- Green (36%)
- Blue (70%)



- Red (77%)
- Yellow (36%)
- Blue (70%)



- Cyan (0%)
- Magenta (53%)
- Yellow (9%)
- Black (23%)



- Cyan (23%)
- Magenta (64%)
- Yellow (30%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 196, 92, 178 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 196, 92, 178 by changing the saturation by 10% instead.



 196, 92, 178

255, 255, 255

 255, 146, 234


 255, 174, 255

 255, 202, 255

 255, 231, 255

 196, 92, 178

 168, 65, 151

 140, 37, 125

 112, 0, 100

 86, 0, 76

 60, 0, 53

 35, 0, 31

 0, 0, 1

 0, 0, 0

 196, 92, 178

 196, 92, 178

196, 72, 175

196, 112, 181

196, 53, 171

196, 131, 185

196, 33, 168

196, 151, 188

196, 14, 164

196, 170, 192

196, 0, 162

196, 190, 195

196, 208, 210

196, 224, 229

196, 241, 249

196, 244, 255

# Harmonies

## Analogous

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



137, 115, 217



196, 92, 178



221, 80, 128

# Triad

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



196, 92, 178



30, 151, 5



0, 84, 185

# Complementary

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



196, 92, 178



92, 181, 196

# 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.



0, 83, 155



196, 92, 178



35, 144, 80

# Square

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



196, 92, 178



192, 182, 35



0, 98, 151



0, 89, 221

# Rectangle

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



196, 92, 178



221, 84, 94



0, 98, 151



0, 81, 169



# Sweetspot

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



196, 92, 178



255, 214, 248



109, 92, 196



128, 103, 123



0, 0, 0



128, 128, 128



# Same Dimension

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



196, 92, 178



255, 92, 227



196, 92, 127



97, 87, 95



161, 0, 133



33, 0, 27



# Inverse Universe

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



196, 92, 178



255, 92, 227



92, 155, 196



97, 87, 95



161, 0, 133



33, 0, 27



# Previews

## White Background



This preview shows how the RYB color 196, 92, 178 looks on a white background.

## Color Contrast Check

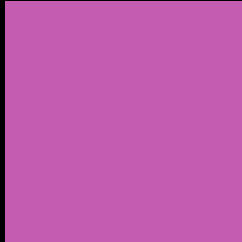
Large Text (above 18pt) WCAG AA ✓ Pass

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 196, 92, 178 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

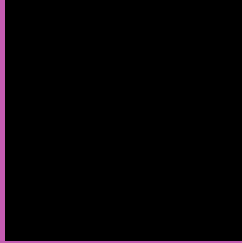
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 196, 92, 178 Background**



This preview shows how black text looks on a background with the RYB color 196, 92, 178.

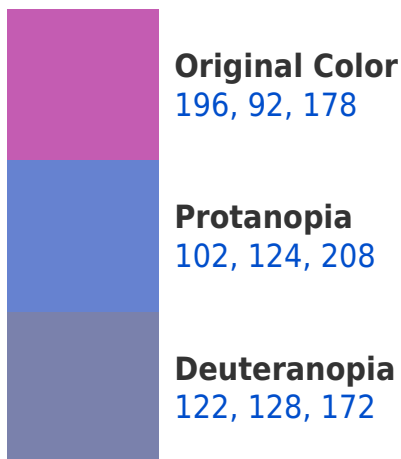


This preview shows how white text looks on a background with the RYB color 196, 92, 178.

# 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](#).

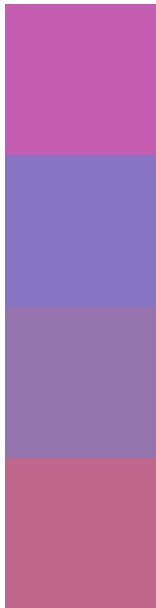
## Dichromacy





**Tritanopia**  
189, 107, 115

# Trichromacy



**Original Color**  
196, 92, 178

**Protanomaly**  
136, 116, 197

**Deuteranomaly**  
149, 116, 174

**Tritanomaly**  
192, 102, 138

# Monochromacy



**Original Color**  
196, 92, 178

**Achromatopsia**  
133, 133, 133

**Achromatomaly**  
156, 118, 149

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 196, 92, 178 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(196, 92, 178)` looks like.

```
.text, #text, p{  
    color:rgb(196, 92, 178)  
}
```

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(196, 92, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 92, 178) }
```

## Border

The CSS property to change the border of an element to RYB 196, 92, 178 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(196, 92, 178) }
```

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

```
.border{ border-color:rgb(196, 92, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 92, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 92, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 92, 178);  
box-shadow:4px 4px 4px 4px rgb(196, 92,  
178) }
```

# Background

The CSS property to change the background color of an element to RYB 196, 92, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 92, 178) }
```

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

```
.background{ background-color: rgb(196, 92,  
178) }
```

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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