

# Converting Colors

`RYB(196, 128, 200)`

Have a look what the booklet for  
RYB(196, 128, 200) contains.

<b>RYB(196, 128, 200)</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(196, 128, 200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C480C8
RGB	196, 128, 200
RGB Percent	77%, 50%, 78%
CMY	0.2314, 0.4980, 0.2157
CMYK	0.02, 0.36, 0.00, 0.22
HSL	297°, 40%, 64%
HSV	297°, 36%, 78%
XYZ	40.9094, 31.3442, 58.5375
YIQ	156.5400, 17.4160, 36.8080

# Conversions

## Conversions Part 2

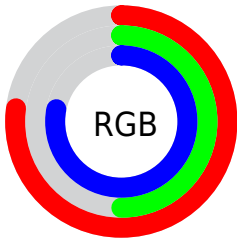
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 128, 200
Decimal	12878024
CIE Lab	62.80, 37.87, -26.77
CIE LCh	63, 46.375, 324.746
Yxy	31.3442, 0.3128, 0.2397
Android (android.graphics.Color)	4291068104 (0xFFC480C8)
YUV	156.5400, 21.4258, 34.6064
Hunter-Lab	55.9859, 32.4563, -22.8020

# Details

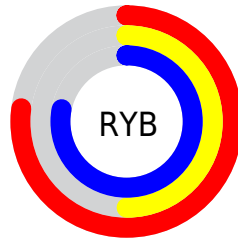
The RYB color **196, 128, 200** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **128, 200, 196**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **254, 182, 255**, and **141, 77, 146** is the 20% darker color. If you saturate the color by 10%, you get **195, 108, 200**, and if you desaturate by 10%, it is **197, 148, 200**.

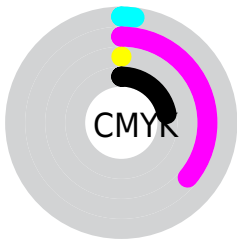
# Distribution



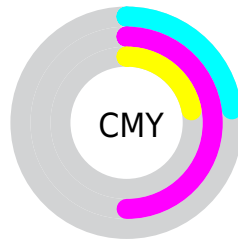
- Red (77%)
- Green (50%)
- Blue (78%)



- Red (77%)
- Yellow (50%)
- Blue (78%)



- Cyan (2%)
- Magenta (36%)
- Yellow (0%)
- Black (22%)



- Cyan (23%)
- Magenta (50%)
- Yellow (22%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 196, 128, 200 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, 128, 200 by changing the saturation by 10% instead.




 196, 128, 200

255, 255, 255


 254, 182, 255


 255, 210, 255

 255, 239, 255

 196, 128, 200

 168, 102, 173

 141, 77, 146

 114, 52, 120

 89, 27, 95


 64, 0, 71

 41, 0, 48

 1, 0, 27

 0, 0, 0


 196, 128, 200


 196, 128, 200

 195, 108, 200

 197, 148, 200

 194, 88, 200


 198, 168, 200

 193, 68, 200

 199, 188, 200

 192, 48, 200

 200, 208, 208

 190, 28, 200

 200, 228, 226

 189, 8, 200

 200, 248, 245

 189, 0, 200

 200, 255, 251

 200, 255, 250

 200, 255, 249

# Harmonies

## Analogous

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



143, 144, 227



196, 128, 200



224, 118, 161

# Triad

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



196, 128, 200



120, 183, 68



0, 89, 185

# Complementary

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



196, 128, 200



128, 200, 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, 94, 172



196, 128, 200



74, 160, 92

# Square

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



196, 128, 200



213, 158, 86



92, 158, 168



0, 95, 218

# Rectangle

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



196, 128, 200



230, 118, 133



92, 158, 168



0, 87, 173



# Sweetspot

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



196, 128, 200



253, 227, 255



128, 133, 200



127, 111, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



196, 128, 200



249, 145, 255



200, 128, 169



99, 90, 99



154, 0, 163



34, 0, 36



# Inverse Universe

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



200, 128, 132



255, 145, 151



128, 178, 200



99, 90, 90



163, 0, 9

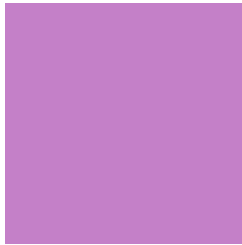


36, 0, 2



# Previews

## White Background



This preview shows how the RYB color 196, 128, 200 looks on a white background.

## Color Contrast Check

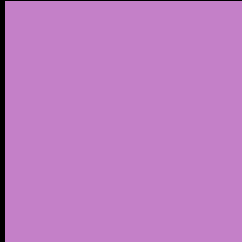
Large Text (above 18pt) WCAG AA × Fail

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 196, 128, 200 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

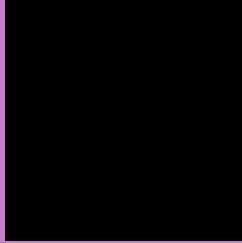
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## **RYB 196, 128, 200 Background**



This preview shows how black text looks on a background with the RYB color 196, 128, 200.

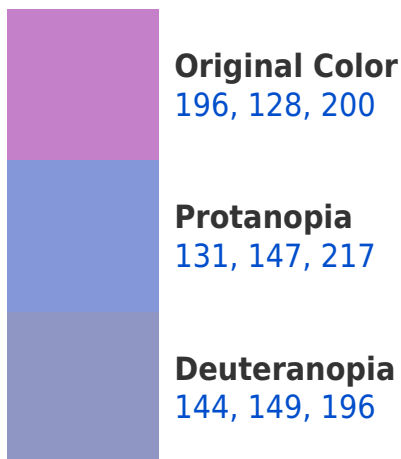


This preview shows how white text looks on a background with the RYB color 196, 128, 200.

# 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, 138, 149

# Trichromacy



**Original Color**  
196, 128, 200

**Protanomaly**  
155, 142, 211

**Deuteranomaly**  
163, 142, 197

**Tritanomaly**  
192, 134, 168

# Monochromacy



**Original Color**  
196, 128, 200

**Achromatopsia**  
157, 157, 157

**Achromatomaly**  
171, 146, 173

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 196, 128, 200 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, 128, 200)` looks like.

```
.text, #text, p{  
    color:rgb(196, 128, 200)  
}
```

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, 128, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 128, 200) }
```

## Border

The CSS property to change the border of an element to RYB 196, 128, 200 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, 128, 200) }
```

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

```
.border{ border-color:rgb(196, 128, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 128, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 128, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 128, 200);  
box-shadow:4px 4px 4px 4px rgb(196, 128,  
200) }
```

# Background

The CSS property to change the background color of an element to RYB 196, 128, 200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 128, 200) }
```

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

```
.background{ background-color: rgb(196,  
128, 200) }
```

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