

Converting Colors

`RYB(168, 128, 201)`

Have a look what the booklet for
RYB(168, 128, 201) contains.

RYB(168, 128, 201)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(168, 128, 201)

Conversions

Conversions Part 1

Format	Color
Hex	A880C9
RGB	168, 128, 201
RGB Percent	66%, 50%, 79%
CMY	0.3412, 0.4980, 0.2118
CMYK	0.16, 0.36, 0.00, 0.21
HSL	273°, 40%, 65%
HSV	273°, 36%, 79%
XYZ	34.4102, 27.9802, 58.8454
YIQ	148.2820, 0.4070, 31.1830

Conversions

Conversions Part 2

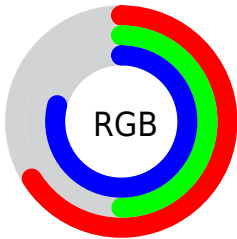
Format	Color
R _Y B	168, 128, 201
Decimal	11043017
CIE Lab	59.87, 29.33, -32.10
CIE LCh	60, 43.479, 312.418
Yxy	27.9802, 0.2838, 0.2308
Android (android.graphics.Color)	4289233097 (0xFFA880C9)
YUV	148.2820, 25.9900, 17.2927
Hunter-Lab	52.8963, 23.5496, -28.9308

Details

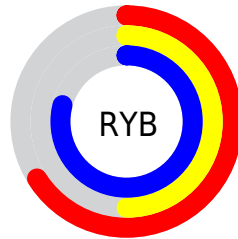
The RYB color **168, 128, 201** is a light color, and the websafe version is hex **996699**. A complement of this color would be **128, 201, 168**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **224, 181, 255**, and **115, 78, 147** is the 20% darker color. If you saturate the color by 10%, you get **159, 108, 201**, and if you desaturate by 10%, it is **177, 148, 201**.

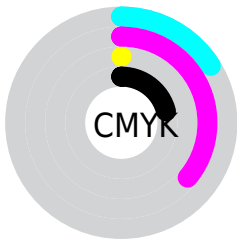
Distribution



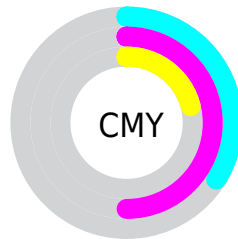
- Red (66%)
- Green (50%)
- Blue (79%)



- Red (66%)
- Yellow (50%)
- Blue (79%)



- Cyan (16%)
- Magenta (36%)
- Yellow (0%)
- Black (21%)



- Cyan (34%)
- Magenta (50%)
- Yellow (21%)


Brightness & Saturation Gradients

These gradients show how the RYB color 168, 128, 201 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 168, 128, 201 by changing the saturation by 10% instead.

 168, 128, 201


255, 255, 255

 224, 181, 255

 253, 209, 255

 255, 237, 255

 168, 128, 201

 141, 103, 173


 115, 78, 147

 89, 54, 121

 64, 32, 96

 40, 9, 71

 23, 0, 49

 0, 1, 27

 0, 0, 0

 168, 128, 201

 168, 128, 201

159, 108, 201

177, 148, 201

150, 88, 201

186, 168, 201

141, 68, 201

195, 188, 201

132, 48, 201

201, 208, 205

123, 28, 201

201, 229, 217

113, 7, 201

201, 249, 227

110, 0, 201

201, 255, 224

201, 255, 215

201, 255, 206

Harmonies

Analogous

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



110, 135, 219



168, 128, 201



203, 116, 168

Triad

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



168, 128, 201



166, 186, 71



0, 83, 164

Complementary

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



168, 128, 201



128, 201, 168

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.



51, 119, 162



168, 128, 201



72, 152, 67

Square

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



168, 128, 201



209, 129, 94



86, 157, 133



0, 88, 195

Rectangle

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



168, 128, 201



215, 112, 143



86, 157, 133



0, 87, 164

Sweetspot

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



168, 128, 201



242, 227, 255



128, 151, 201



120, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



168, 128, 201



204, 143, 255



201, 128, 199



95, 90, 99



89, 0, 163



20, 0, 36

Inverse Universe

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



201, 128, 161



255, 143, 194



128, 199, 201



99, 90, 94



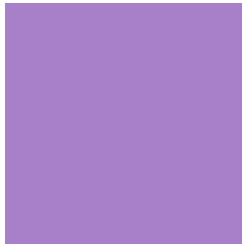
163, 0, 74



36, 0, 16

Previews

White Background



This preview shows how the RYB color 168, 128, 201 looks on a white background.

Color Contrast Check

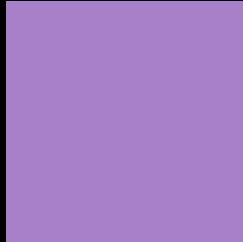
Large Text (above 18pt) WCAG AA ✓ Pass

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 168, 128, 201 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 168, 128, 201 Background



This preview shows how black text looks on a background with the RYB color 168, 128, 201.



This preview shows how white text looks on a background with the RYB color 168, 128, 201.

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



Original Color
168, 128, 201

Protanopia
121, 138, 212

Deuteranopia
128, 140, 198



Tritanopia
160, 139, 149

Trichromacy



Original Color
168, 128, 201

Protanomaly
138, 137, 208

Deuteranomaly
143, 138, 199

Tritanomaly
163, 135, 168

Monochromacy



Original Color
168, 128, 201

Achromatopsia
148, 148, 148

Achromatomaly
155, 141, 167

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 128, 201 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(168, 128, 201)` looks like.

```
.text, #text, p{  
    color:rgb(168, 128, 201)  
}
```

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(168, 128, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 128, 201) }
```

Border

The CSS property to change the border of an element to RYB 168, 128, 201 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(168, 128, 201) }
```

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

```
.border{ border-color:rgb(168, 128, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 128, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 128, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 128, 201);  
box-shadow:4px 4px 4px 4px rgb(168, 128,  
201) }
```

Background

The CSS property to change the background color of an element to RYB 168, 128, 201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 128, 201) }
```

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

```
.background{ background-color: rgb(168,  
128, 201) }
```

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