

Converting Colors

`RYB(168, 71, 218)`

Have a look what the booklet for
RYB(168, 71, 218) contains.

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Color

R_YB(168, 71, 218)

Conversions

Conversions Part 1

Format	Color
Hex	A847DA
RGB	168, 71, 218
RGB Percent	66%, 28%, 85%
CMY	0.3412, 0.7216, 0.1451
CMYK	0.23, 0.67, 0.00, 0.15
HSL	280°, 67%, 57%
HSV	280°, 67%, 85%
XYZ	31.0566, 17.8933, 68.1465
YIQ	116.7610, 10.6250, 66.2810

Conversions

Conversions Part 2

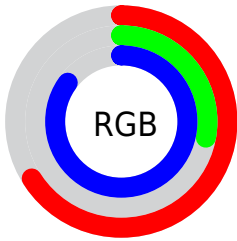
Format	Color
RYB	168, 71, 218
Decimal	11028442
CIELab	49.37, 62.63, -58.38
CIElCh	49, 85.618, 317.014
Yxy	17.8933, 0.2652, 0.1528
Android (android.graphics.Color)	4289218522 (0xFFA847DA)
YUV	116.7610, 49.9108, 44.9366
Hunter-Lab	42.3004, 57.0273, -65.9067

Details

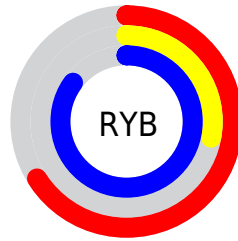
The RYB color **168, 71, 218** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **71, 218, 168**, and the grayscale version is **116, 116, 116**.

A 20% lighter version of the original color is **227, 126, 255**, and **111, 0, 162** is the 20% darker color. If you saturate the color by 10%, you get **161, 49, 218**, and if you desaturate by 10%, it is **175, 93, 218**.

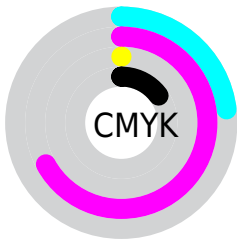
Distribution



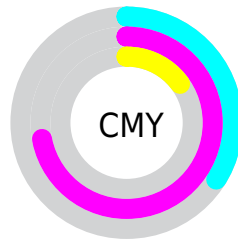
- Red (66%)
- Green (28%)
- Blue (85%)



- Red (66%)
- Yellow (28%)
- Blue (85%)



- Cyan (23%)
- Magenta (67%)
- Yellow (0%)
- Black (15%)




















- Cyan (34%)
- Magenta (72%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 71, 218 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, 71, 218 by changing the saturation by 10% instead.

 168, 71, 218	 168, 71, 218
 255, 255, 255	 139, 42, 190
 227, 126, 255	 111, 0, 162
 255, 154, 255	 83, 0, 135
 255, 182, 255	 54, 0, 109
 255, 211, 255	 27, 0, 84
 255, 240, 255	 0, 0, 60
	 0, 2, 37
	 0, 1, 13
	 0, 0, 0

■ 168, 71, 218

■ 168, 71, 218

■ 161, 49, 218

■ 175, 93, 218

■ 153, 27, 218

■ 183, 115, 218

■ 146, 6, 218

■ 190, 136, 218

■ 144, 0, 218

■ 198, 158, 218

■ 205, 180, 218

■ 212, 202, 218

■ 218, 224, 222

■ 218, 245, 236

■ 218, 255, 238

Harmonies

Analogous

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



0, 78, 255



168, 71, 218



227, 0, 152

Triad

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



168, 71, 218



108, 169, 0



0, 76, 158

Complementary

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



168, 71, 218



71, 218, 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.



0, 93, 145



168, 71, 218



0, 127, 22

Square

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



168, 71, 218



216, 85, 0



0, 139, 139



0, 88, 224

Rectangle

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



168, 71, 218



240, 0, 104



0, 139, 139



0, 77, 147

Sweetspot

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



168, 71, 218



238, 204, 255



71, 109, 218



117, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



168, 71, 218



185, 48, 255



218, 71, 196



106, 99, 110



114, 0, 173



30, 0, 46

Inverse Universe

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



218, 71, 121



255, 48, 119



71, 199, 218



110, 99, 102



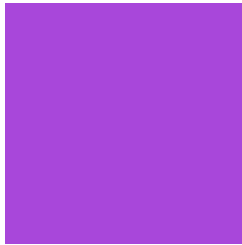
173, 0, 59



46, 0, 16

Previews

White Background



This preview shows how the RYB color 168, 71, 218 looks on a white background.

Color Contrast Check

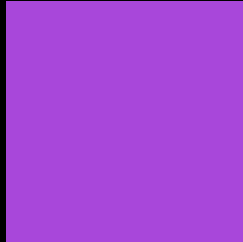
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 168, 71, 218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

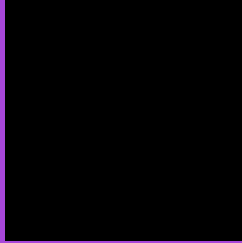
Any Text WCAG AA ✓ Pass

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](#).

RYP 168, 71, 218 Background



This preview shows how black text looks on a background with the RYP color 168, 71, 218.

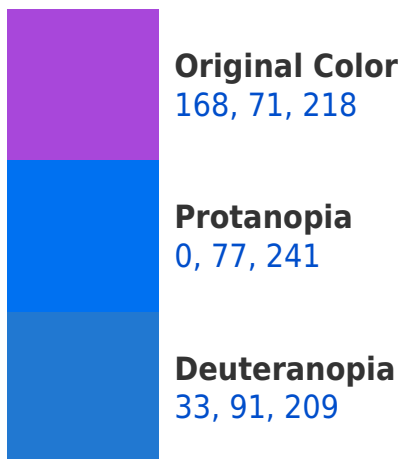



This preview shows how white text looks on a background with the RYP color 168, 71, 218.

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
151, 105, 113

Trichromacy



Original Color
168, 71, 218



Protanomaly
61, 91, 233



Deuteranomaly
82, 99, 212



Tritanomaly
157, 93, 151

Monochromacy



Original Color
168, 71, 218



Achromatopsia
117, 117, 117



Achromatomaly
136, 100, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 71, 218 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, 71, 218)` looks like.

```
.text, #text, p{  
    color:rgb(168, 71, 218)  
}
```

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, 71, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 71, 218) }
```

Border

The CSS property to change the border of an element to RYB 168, 71, 218 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, 71, 218) }
```

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

```
.border{ border-color:rgb(168, 71, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 71, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 71, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 71, 218);  
box-shadow:4px 4px 4px 4px rgb(168, 71,  
218) }
```

Background

The CSS property to change the background color of an element to RGB 168, 71, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 71, 218) }
```

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

```
.background{ background-color: rgb(168, 71,  
218) }
```

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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