

Converting Colors

`RYB(136, 68, 197)`

Have a look what the booklet for
RYB(136, 68, 197) contains.

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Color

R_YB(136, 68, 197)

Conversions

Conversions Part 1

Format	Color
Hex	8844C5
RGB	136, 68, 197
RGB Percent	53%, 27%, 77%
CMY	0.4667, 0.7333, 0.2275
CMYK	0.31, 0.65, 0.00, 0.23
HSL	272°, 53%, 52%
HSV	272°, 65%, 77%
XYZ	22.2985, 13.3997, 54.2345
YIQ	103.0380, -0.8810, 54.5350

Conversions

Conversions Part 2

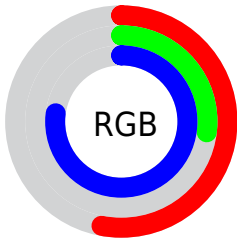
Format	Color
RYB	136, 68, 197
Decimal	8930501
CIELab	43.36, 52.52, -56.19
CIElCh	43, 76.915, 313.063
Yxy	13.3997, 0.2479, 0.1490
Android (android.graphics.Color)	4287120581 (0xFF8844C5)
YUV	103.0380, 46.3233, 28.9077
Hunter-Lab	36.6056, 44.6745, -62.2195

Details

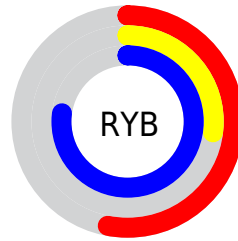
The RYB color **136, 68, 197** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **68, 197, 136**, and the grayscale version is **103, 103, 103**.

A 20% lighter version of the original color is **193, 120, 254**, and **80, 11, 142** is the 20% darker color. If you saturate the color by 10%, you get **127, 48, 197**, and if you desaturate by 10%, it is **145, 88, 197**.

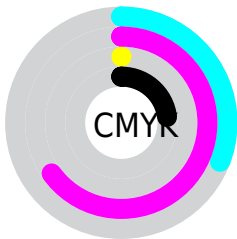
Distribution



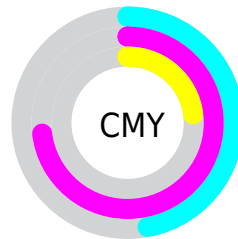
- Red (53%)
- Green (27%)
- Blue (77%)



- Red (53%)
- Yellow (27%)
- Blue (77%)



- Cyan (31%)
- Magenta (65%)
- Yellow (0%)
- Black (23%)



- Cyan (47%)
- Magenta (73%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the RYB color 136, 68, 197 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 136, 68, 197 by changing the saturation by 10% instead.

 136, 68, 197

255, 255, 255

 193, 120, 254

 222, 147, 255


 252, 175, 255

 255, 203, 255


 255, 231, 255

 136, 68, 197

 108, 42, 169

 80, 11, 142

 52, 0, 116

 21, 0, 91

 0, 0, 66

 0, 3, 43

 0, 1, 21

 0, 0, 0

 136, 68, 197

 136, 68, 197

■ 127, 48, 197

■ 145, 88, 197

■ 117, 29, 197

■ 155, 107, 197

■ 108, 9, 197

■ 164, 127, 197

■ 104, 0, 197

■ 173, 147, 197

■ 183, 167, 197

■ 192, 186, 197

■ 197, 206, 202

■ 197, 226, 212

■ 197, 245, 222

Harmonies

Analogous

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



0, 71, 229



136, 68, 197



195, 0, 141

Triad

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



136, 68, 197



122, 154, 0



0, 64, 130

Complementary

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



136, 68, 197



68, 197, 136

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, 84, 126



136, 68, 197



0, 108, 8

Square

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



136, 68, 197



193, 56, 11



0, 121, 121



0, 76, 189

Rectangle

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



136, 68, 197



209, 0, 99



0, 121, 121



0, 69, 128

Sweetspot

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



136, 68, 197



231, 204, 255



68, 110, 197



113, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



136, 68, 197



160, 54, 255



197, 68, 195



95, 90, 99



86, 0, 163



19, 0, 36

Inverse Universe

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



197, 68, 129



255, 54, 149



68, 195, 197



99, 90, 94



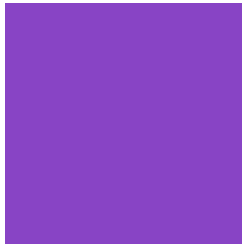
163, 0, 77



36, 0, 17

Previews

White Background



This preview shows how the RYB color 136, 68, 197 looks on a white background.

Color Contrast Check

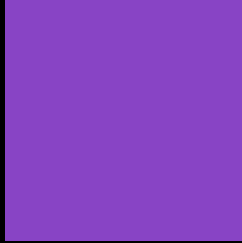
Large Text (above 18pt) WCAG AA ✓ Pass

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 136, 68, 197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

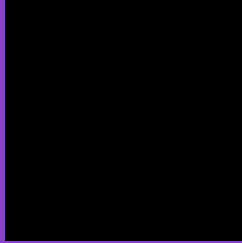
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 136, 68, 197 Background



This preview shows how black text looks on a background with the RYB color 136, 68, 197.



This preview shows how white text looks on a background with the RYB color 136, 68, 197.

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

136, 68, 197

Protanopia

0, 67, 210

Deuteranopia

0, 67, 185



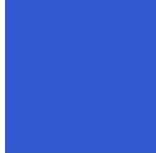
Tritanopia
119, 97, 104

Trichromacy



Original Color

136, 68, 197



Protanomaly

49, 80, 205



Deuteranomaly

49, 82, 189



Tritanomaly

125, 86, 138

Monochromacy



Original Color

136, 68, 197



Achromatopsia

103, 103, 103



Achromatomaly

115, 90, 137

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 68, 197 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(136, 68, 197)` looks like.

```
.text, #text, p{  
    color:rgb(136, 68, 197)  
}
```

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(136, 68, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 68, 197) }
```

Border

The CSS property to change the border of an element to RYB 136, 68, 197 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(136, 68, 197) }
```

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

```
.border{ border-color:rgb(136, 68, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 68, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 68, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 68, 197);  
box-shadow:4px 4px 4px 4px rgb(136, 68,  
197) }
```

Background

The CSS property to change the background color of an element to RYB 136, 68, 197 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 68, 197) }
```

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

```
.background{ background-color: rgb(136, 68,  
197) }
```

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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