

# Converting Colors

`RYB(136, 148, 236)`

Have a look what the booklet for  
RYB(136, 148, 236) contains.

<b>RYB(136, 148, 236)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**R<sub>Y</sub>B(136, 148, 236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8896EC
RGB	136, 150, 236
RGB Percent	53%, 59%, 93%
CMY	0.4667, 0.4132, 0.0745
CMYK	0.42, 0.37, 0.00, 0.07
HSL	232°, 72%, 73%
HSV	232°, 42%, 93%
XYZ	36.1421, 32.9872, 83.8192
YIQ	155.6180, -35.9500, 23.7780

# Conversions

## Conversions Part 2

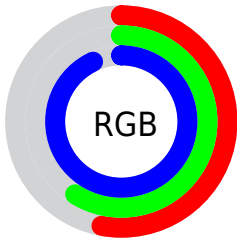
Format	Color
<a href="#">RYB</a>	<a href="#">136, 148, 236</a>
Decimal	<a href="#">8951532</a>
CIELab	<a href="#">64.15, 16.76, -45.11</a>
CIElCh	<a href="#">64, 48.121, 290.385</a>
Yxy	<a href="#">32.9872, 0.2363, 0.2157</a>
Android (android.graphics.Color)	<a href="#">4287141612 (0xFF8896EC)</a>
YUV	<a href="#">155.6180, 39.6283, -17.2050</a>
Hunter-Lab	<a href="#">57.4345, 11.8153, -46.3230</a>

# Details

The RYB color **136, 148, 236** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **152, 236, 136**, and the grayscale version is **155, 155, 155**.

A 20% lighter version of the original color is **193, 202, 255**, and **80, 97, 180** is the 20% darker color. If you saturate the color by 10%, you get **112, 127, 236**, and if you desaturate by 10%, it is **160, 169, 236**.

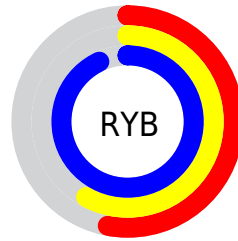
# Distribution



Red (53%)

Green (59%)

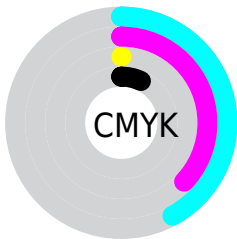
Blue (93%)



Red (53%)

Yellow (58%)

Blue (93%)

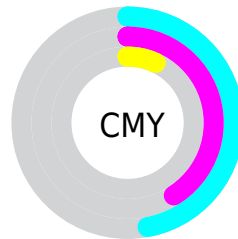


Cyan (42%)

Magenta (37%)

Yellow (0%)

Black (7%)



Cyan (47%)

Magenta (41%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 136, 148, 236 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, 148, 236 by changing the saturation by 10% instead.



 136, 148, 236

255, 255, 255

 193, 202, 255

 222, 230, 255

 251, 253, 255

 136, 148, 236


 108, 122, 208

 80, 96, 180

 51, 71, 153

 11, 42, 126

 0, 25, 101

 0, 10, 76


 0, 5, 53


 0, 2, 31


 0, 0, 1

 136, 148, 236

 136, 148, 236

 112, 127, 236

 160, 169, 236

 89, 107, 236

 183, 189, 236

 65, 85, 236

 207, 211, 236

 42, 65, 236

 230, 231, 236

 18, 44, 236

 238, 254, 236

 0, 28, 236

 236, 255, 236

# Harmonies

## Analogous

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



17, 106, 240



136, 148, 236



195, 133, 211

# Triad

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



136, 148, 236



223, 150, 91



0, 98, 176

# Complementary

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



136, 148, 236



152, 236, 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.



99, 171, 169



136, 148, 236



140, 193, 69

# Square

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



136, 148, 236



236, 121, 128



71, 162, 81



0, 90, 184

# Rectangle

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



136, 148, 236



220, 124, 185



71, 162, 81



53, 130, 175



# Sweetspot

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



136, 148, 236



222, 226, 255



136, 190, 236



107, 110, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



136, 148, 236



125, 141, 255



171, 136, 236



106, 107, 117



0, 22, 181



0, 6, 54



# Inverse Universe

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



236, 136, 150



255, 125, 143



136, 236, 171



117, 106, 107



181, 0, 25

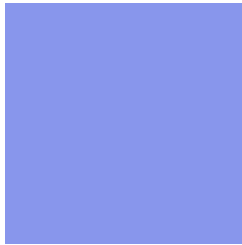


54, 0, 7



# Previews

## White Background



This preview shows how the RYB color 136, 148, 236 looks on a white background.

## Color Contrast Check

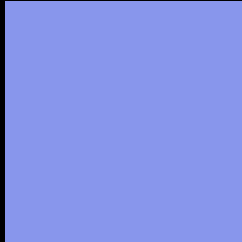
Large Text (above 18pt) WCAG AA × Fail

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 136, 148, 236 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

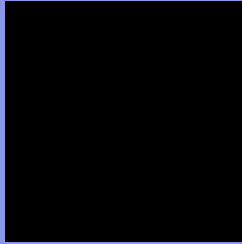
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## RYB 136, 148, 236 Background



This preview shows how black text looks on a background with the RYB color 136, 148, 236.



This preview shows how white text looks on a background with the RYB color 136, 148, 236.

# 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, 148, 236

### Protanopia

124, 146, 238

### Deuteranopia

117, 146, 235



**Tritanopia**  
120, 144, 175

# Trichromacy



**Original Color**  
136, 148, 236

**Protanomaly**  
128, 147, 237

**Deuteranomaly**  
124, 147, 235

**Tritanomaly**  
126, 148, 197

# Monochromacy



**Original Color**  
136, 148, 236

**Achromatopsia**  
155, 155, 155

**Achromatomaly**  
148, 152, 184

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 136, 148, 236 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, 150, 236)` looks like.

```
.text, #text, p{  
    color:rgb(136, 150, 236)  
}
```

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, 150, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 150, 236) }
```

## Border

The CSS property to change the border of an element to RYB 136, 148, 236 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, 150, 236) }
```

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

```
.border{ border-color:rgb(136, 150, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 150, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 150, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 150, 236);  
box-shadow:4px 4px 4px 4px rgb(136, 150,  
236) }
```

# Background

The CSS property to change the background color of an element to RYB 136, 148, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 150, 236) }
```

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

```
.background{ background-color: rgb(136,  
150, 236) }
```

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