

# Converting Colors

`RYB(142, 122, 229)`

Have a look what the booklet for  
RYB(142, 122, 229) contains.

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# **Color**

**RYB(142, 122, 229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8E7AE5
RGB	142, 122, 229
RGB Percent	56%, 48%, 90%
CMY	0.4431, 0.5216, 0.1020
CMYK	0.38, 0.47, 0.00, 0.10
HSL	251°, 67%, 69%
HSV	251°, 47%, 90%
XYZ	32.2577, 25.3270, 77.3172
YIQ	140.1780, -22.4270, 37.5170

# Conversions

## Conversions Part 2

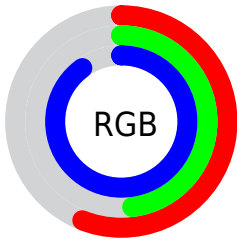
Format	Color
<a href="#">RYB</a>	<a href="#">142, 122, 229</a>
Decimal	<a href="#">9337573</a>
CIELab	<a href="#">57.39, 32.42, -51.89</a>
CIELCh	<a href="#">57, 61.186, 301.995</a>
Yxy	<a href="#">25.3270, 0.2391, 0.1877</a>
Android (android.graphics.Color)	<a href="#">4287527653 (0xFF8E7AE5)</a>
YUV	<a href="#">140.1780, 43.7892, 1.5979</a>
Hunter-Lab	<a href="#">50.3259, 26.3439, -55.8608</a>

# Details

The RYB color **142, 122, 229** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **122, 229, 142**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **199, 175, 255**, and **86, 73, 173** is the 20% darker color. If you saturate the color by 10%, you get **123, 99, 229**, and if you desaturate by 10%, it is **161, 145, 229**.

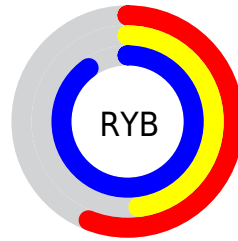
# Distribution



Red (56%)

Green (48%)

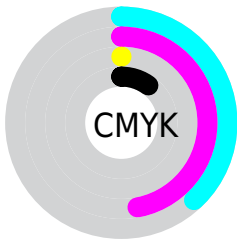
Blue (90%)



Red (56%)

Yellow (48%)

Blue (90%)

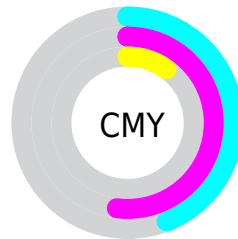


Cyan (38%)

Magenta (47%)

Yellow (0%)

Black (10%)



Cyan (44%)

Magenta (52%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 142, 122, 229 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 142, 122, 229 by changing the saturation by 10% instead.



 142, 122, 229

255, 255, 255

 199, 175, 255

 228, 202, 255

 255, 230, 255

 142, 122, 229

 114, 97, 201


 86, 73, 173

 58, 50, 146

 25, 28, 120


 0, 7, 94

 0, 0, 70

 0, 4, 46


 0, 1, 25


 0, 0, 0

 142, 122, 229

 142, 122, 229

 123, 99, 229

 161, 145, 229

 105, 76, 229

 179, 168, 229

 86, 53, 229


 198, 191, 229

 68, 30, 229

 216, 214, 229

 49, 8, 229

 229, 236, 230

 43, 0, 229

 229, 255, 230

 229, 255, 229

# Harmonies

## Analogous

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



0, 90, 245



142, 122, 229



205, 98, 189

# Triad

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



142, 122, 229



203, 184, 39



0, 88, 163

# Complementary

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



142, 122, 229



122, 229, 142

# 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, 104, 159



142, 122, 229



36, 161, 6

# Square

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



142, 122, 229



229, 95, 84



36, 151, 80



0, 88, 193

# Rectangle

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



142, 122, 229



226, 87, 154



36, 151, 80



0, 93, 162



# Sweetspot

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



142, 122, 229



226, 219, 255



122, 170, 229



110, 106, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



142, 122, 229



139, 112, 255



195, 122, 229



105, 103, 115



33, 0, 179



10, 0, 51



# Inverse Universe

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



229, 122, 209



255, 112, 228



122, 229, 195



115, 103, 113



179, 0, 145



51, 0, 41



# Previews

## White Background



This preview shows how the RYB color 142, 122, 229 looks on a white background.

## Color Contrast Check

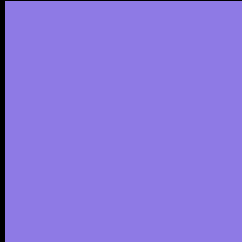
Large Text (above 18pt) WCAG AA ✓ Pass

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 142, 122, 229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

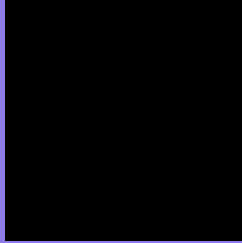
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 142, 122, 229 Background



This preview shows how black text looks on a background with the RYB color 142, 122, 229.



This preview shows how white text looks on a background with the RYB color 142, 122, 229.

# 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](#).

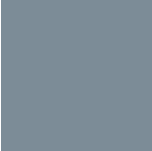
## Dichromacy



**Original Color**  
142, 122, 229

**Protanopia**  
89, 124, 241

**Deuteranopia**  
83, 123, 225



# Tritanopia

124, 134, 151

# Trichromacy



**Original Color**  
142, 122, 229

**Protanomaly**  
108, 127, 237

**Deuteranomaly**  
104, 127, 226

**Tritanomaly**  
131, 133, 179

# Monochromacy



**Original Color**  
142, 122, 229

**Achromatopsia**  
140, 140, 140

**Achromatomaly**  
141, 133, 172

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 142, 122, 229 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(142, 122, 229)` looks like.

```
.text, #text, p{  
  color:rgb(142, 122, 229)  
}
```

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(142, 122, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 122, 229) }
```

## Border

The CSS property to change the border of an element to RYB 142, 122, 229 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(142, 122, 229) }
```

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

```
.border{ border-color:rgb(142, 122, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 122, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 122, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 122, 229);  
box-shadow:4px 4px 4px 4px rgb(142, 122,  
229) }
```

# Background

The CSS property to change the background color of an element to RYB 142, 122, 229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 122, 229) }
```

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

```
.background{ background-color: rgb(142,  
122, 229) }
```

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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