

Converting Colors

`RYB(136, 122, 235)`

Have a look what the booklet for
RYB(136, 122, 235) contains.

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Color

R_YB(136, 122, 235)

Conversions

Conversions Part 1

Format	Color
Hex	887AEB
RGB	136, 122, 235
RGB Percent	53%, 48%, 92%
CMY	0.4667, 0.5216, 0.0784
CMYK	0.42, 0.48, 0.00, 0.08
HSL	247°, 74%, 70%
HSV	247°, 48%, 92%
XYZ	32.1083, 25.1515, 81.7597
YIQ	139.0680, -27.9290, 38.1110

Conversions

Conversions Part 2

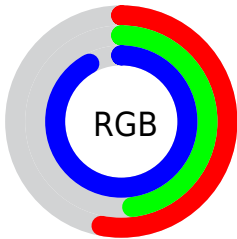
Format	Color
R _Y B	136, 122, 235
Decimal	8944363
CIE Lab	57.22, 32.61, -55.54
CIE LCh	57, 64.405, 300.422
Yxy	25.1515, 0.2310, 0.1809
Android (android.graphics.Color)	4287134443 (0xFF887AEB)
YUV	139.0680, 47.2945, -2.6906
Hunter-Lab	50.1512, 26.5162, -61.5524

Details

The RYB color **136, 122, 235** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **122, 235, 136**, and the grayscale version is **139, 139, 139**.

A 20% lighter version of the original color is **193, 175, 255**, and **79, 73, 178** is the 20% darker color. If you saturate the color by 10%, you get **115, 98, 235**, and if you desaturate by 10%, it is **157, 146, 235**.

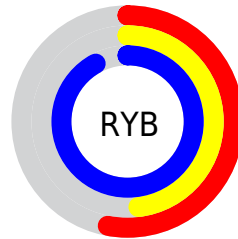
Distribution



Red (53%)

Green (48%)

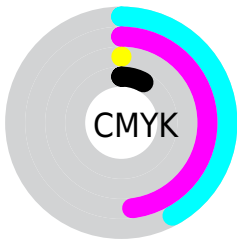
Blue (92%)



Red (53%)

Yellow (48%)

Blue (92%)

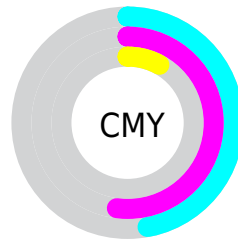


Cyan (42%)

Magenta (48%)

Yellow (0%)

Black (8%)



Cyan (47%)

Magenta (52%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 122, 235 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, 122, 235 by changing the saturation by 10% instead.

 136, 122, 235

255, 255, 255

 193, 175, 255

 223, 202, 255

 253, 230, 255

 136, 122, 235

 108, 97, 206

 79, 73, 178

 48, 50, 151

 1, 24, 125

 0, 8, 99

 0, 0, 75

 0, 4, 51

 0, 2, 29

 0, 0, 0

■ 136, 122, 235

■ 136, 122, 235

■ 115, 98, 235

■ 157, 146, 235

■ 95, 75, 235

■ 177, 169, 235

■ 74, 52, 235

■ 198, 193, 235

■ 54, 28, 235

■ 218, 216, 235

■ 33, 4, 235

■ 235, 240, 236

■ 29, 0, 235

■ 235, 255, 235

Harmonies

Analogous

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



0, 91, 250



136, 122, 235



205, 96, 194

Triad

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



136, 122, 235



207, 179, 34



0, 89, 163

Complementary

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



136, 122, 235



122, 235, 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, 106, 159



136, 122, 235



34, 163, 0

Square

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



136, 122, 235



233, 89, 84



24, 150, 67



0, 88, 193

Rectangle

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



136, 122, 235



229, 82, 158



24, 150, 67



0, 94, 162

Sweetspot

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



136, 122, 235



224, 219, 255



122, 175, 235



109, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



136, 122, 235



125, 107, 255



192, 122, 235



107, 106, 117



22, 0, 181



7, 0, 54

Inverse Universe

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



235, 122, 221



255, 107, 237



122, 235, 192



117, 106, 116



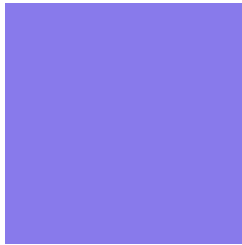
181, 0, 159



54, 0, 47

Previews

White Background



This preview shows how the RYB color 136, 122, 235 looks on a white background.

Color Contrast Check

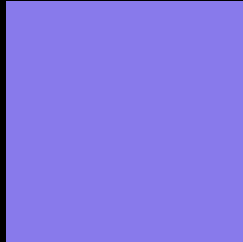
Large Text (above 18pt) WCAG AA ✓ Pass

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 136, 122, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

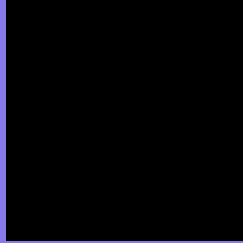
Any Text WCAG AA ✓ Pass

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 136, 122, 235 Background



This preview shows how black text looks on a background with the RYB color 136, 122, 235.

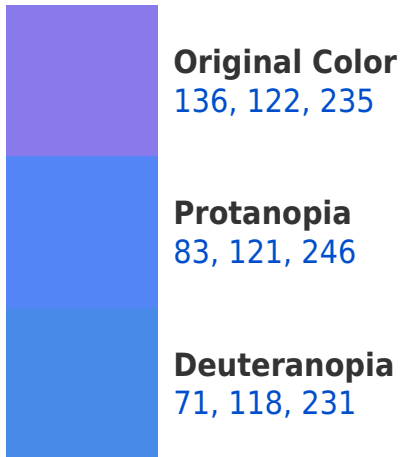



This preview shows how white text looks on a background with the RYB color 136, 122, 235.

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
115, 130, 153

Trichromacy



Original Color
136, 122, 235

Protanomaly
102, 125, 242

Deuteranomaly
95, 124, 232

Tritanomaly
123, 132, 183

Monochromacy



Original Color
136, 122, 235

Achromatopsia
139, 139, 139

Achromatomaly
138, 133, 174

CSS Examples

Text

The CSS property to change the color of the text to RGB 136, 122, 235 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, 122, 235) looks like.

```
.text, #text, p{  
    color:rgb(136, 122, 235)  
}
```

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, 122, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 122, 235) }
```

Border

The CSS property to change the border of an element to RYB 136, 122, 235 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, 122, 235) }
```

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

```
.border{ border-color:rgb(136, 122, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 122, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 122, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 122, 235);  
box-shadow:4px 4px 4px 4px rgb(136, 122,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 136, 122, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 122, 235) }
```

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

```
.background{ background-color: rgb(136,  
122, 235) }
```

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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