

Converting Colors

`RYB(174, 99, 235)`

Have a look what the booklet for
RYB(174, 99, 235) contains.

RYB(174, 99, 235)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(174, 99, 235)

Conversions

Conversions Part 1

Format	Color
Hex	AE63EB
RGB	174, 99, 235
RGB Percent	68%, 39%, 92%
CMY	0.3176, 0.6118, 0.0784
CMYK	0.26, 0.58, 0.00, 0.08
HSL	273°, 77%, 65%
HSV	273°, 58%, 92%
XYZ	36.9128, 23.9205, 81.2689
YIQ	136.9290, 1.0440, 58.1960

Conversions

Conversions Part 2

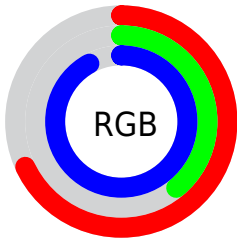
Format	Color
RYB	174, 99, 235
Decimal	11428843
CIELab	56.01, 54.42, -57.27
CIElCh	56, 78.998, 313.537
Yxy	23.9205, 0.2598, 0.1683
Android (android.graphics.Color)	4289618923 (0xFFAE63EB)
YUV	136.9290, 48.3490, 32.5113
Hunter-Lab	48.9086, 49.1293, -64.2831

Details

The RYB color **174, 99, 235** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **99, 235, 174**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **232, 153, 255**, and **117, 46, 178** is the 20% darker color. If you saturate the color by 10%, you get **163, 75, 235**, and if you desaturate by 10%, it is **185, 123, 235**.

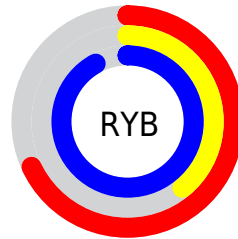
Distribution



Red (68%)

Green (39%)

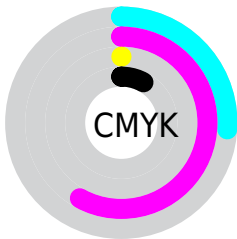
Blue (92%)



Red (68%)

Yellow (39%)

Blue (92%)

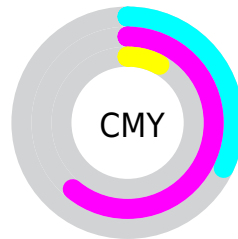


Cyan (26%)

Magenta (58%)

Yellow (0%)

Black (8%)



Cyan (32%)

















Magenta (61%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 174, 99, 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 174, 99, 235 by changing the saturation by 10% instead.

 174, 99, 235	 174, 99, 235
 255, 255, 255	 145, 73, 206
 232, 153, 255	 117, 46, 178
 255, 180, 255	 89, 16, 151
 255, 209, 255	 61, 0, 125
 255, 238, 255	 30, 0, 99
	 0, 0, 74
	 0, 4, 50
	 0, 2, 28
	 0, 0, 0

■ 174, 99, 235

■ 174, 99, 235

■ 163, 75, 235

■ 185, 123, 235

■ 153, 52, 235

■ 195, 146, 235

■ 142, 29, 235

■ 206, 170, 235

■ 132, 5, 235

■ 216, 193, 235

■ 130, 0, 235

■ 227, 217, 235

■ 235, 240, 238

■ 235, 255, 242

■ 235, 255, 235

Harmonies

Analogous

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



0, 87, 255



174, 99, 235



236, 58, 175

Triad

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



174, 99, 235



125, 193, 0



0, 82, 165

Complementary

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



174, 99, 235



99, 235, 174

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, 103, 162



174, 99, 235



0, 141, 7

Square

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



174, 99, 235



235, 94, 40



4, 155, 115



0, 95, 228

Rectangle

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



174, 99, 235



252, 43, 129



4, 155, 115



0, 88, 164

Sweetspot

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



174, 99, 235



236, 212, 255



99, 141, 235



116, 102, 128



0, 0, 0



128, 128, 128

Same Dimension

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



174, 99, 235



176, 79, 255



235, 99, 228



112, 106, 117



100, 0, 181



30, 0, 54

Inverse Universe

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



235, 99, 160



255, 79, 158



99, 228, 235



117, 106, 111



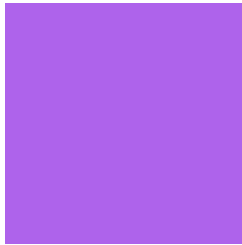
181, 0, 81



54, 0, 24

Previews

White Background



This preview shows how the RYB color 174, 99, 235 looks on a white background.

Color Contrast Check

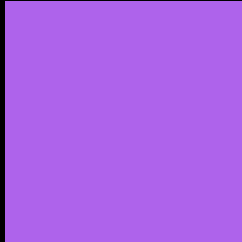
Large Text (above 18pt) WCAG AA ✓ Pass

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 174, 99, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

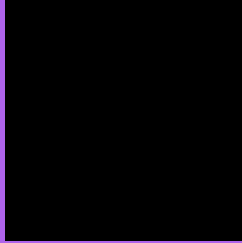
Any Text WCAG AA ✓ Pass

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 174, 99, 235 Background



This preview shows how black text looks on a background with the RYB color 174, 99, 235.

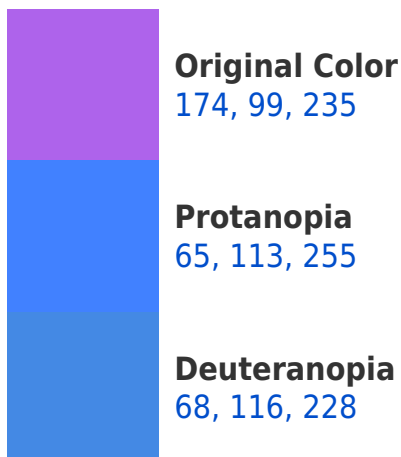


This preview shows how white text looks on a background with the RYB color 174, 99, 235.

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
157, 126, 136

Trichromacy



Original Color

174, 99, 235



Protanomaly

105, 118, 248



Deuteranomaly

107, 121, 231



Tritanomaly

163, 116, 172

Monochromacy



Original Color

174, 99, 235



Achromatopsia

137, 137, 137



Achromatomaly

150, 123, 173

CSS Examples

Text

The CSS property to change the color of the text to RYB 174, 99, 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(174, 99, 235)` looks like.

```
.text, #text, p{  
    color:rgb(174, 99, 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(174, 99, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 99, 235) }
```

Border

The CSS property to change the border of an element to RYB 174, 99, 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(174, 99, 235) }
```

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

```
.border{ border-color:rgb(174, 99, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 99, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 99, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 99, 235);  
box-shadow:4px 4px 4px 4px rgb(174, 99,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 174, 99, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 99, 235) }
```

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

```
.background{ background-color: rgb(174, 99,  
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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