

Converting Colors

`RYB(175, 173, 235)`

Have a look what the booklet for
RYB(175, 173, 235) contains.

RYB(175, 173, 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(175, 173, 235)

Conversions

Conversions Part 1

Format	Color
Hex	AF4DEB
RGB	175, 173, 235
RGB Percent	69%, 68%, 92%
CMY	0.3137, 0.3216, 0.0784
CMYK	0.26, 0.26, 0.00, 0.08
HSL	242°, 61%, 80%
HSV	242°, 26%, 92%
XYZ	47.6182, 44.9993, 84.7732
YIQ	180.6660, -18.7100, 19.7060

Conversions

Conversions Part 2

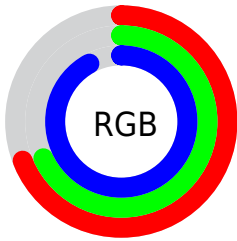
Format	Color
RYB	175, 173, 235
Decimal	11513323
CIELab	72.89, 13.96, -30.73
CIELCh	73, 33.752, 294.433
Yxy	44.9993, 0.2684, 0.2537
Android (android.graphics.Color)	4289703403 (0xFFFAFADEB)
YUV	180.6660, 26.7867, -4.9691
Hunter-Lab	67.0815, 9.3166, -27.9698

Details

The RYB color **175, 173, 235** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **173, 235, 175**, and the grayscale version is **180, 180, 180**.

A 20% lighter version of the original color is **231, 228, 255**, and **121, 121, 179** is the 20% darker color. If you saturate the color by 10%, you get **152, 149, 235**, and if you desaturate by 10%, it is **198, 197, 235**.

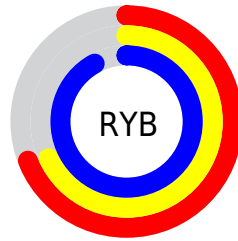
Distribution



Red (69%)

Green (68%)

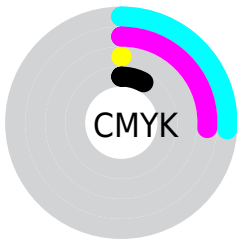
Blue (92%)



Red (69%)

Yellow (68%)

Blue (92%)

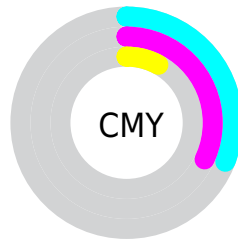


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (8%)



Cyan (31%)

Magenta (32%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 173, 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 175, 173, 235 by changing the saturation by 10% instead.

■ 175, 173, 235

255, 255, 255

■ 231, 228, 255

■ 175, 173, 235

■ 148, 146, 207

■ 121, 121, 179

■ 95, 96, 152

■ 70, 72, 126

■ 45, 50, 101

■ 18, 27, 76


■ 0, 4, 53

■ 0, 2, 31


■ 0, 0, 3

 175, 173, 235


 175, 173, 235

 152, 149, 235

 198, 197, 235

 130, 126, 235

 220, 220, 235

 107, 103, 235

 235, 244, 236

 84, 79, 235

 235, 255, 235

 61, 56, 235

 39, 32, 235

 16, 9, 235

 8, 0, 235

Harmonies

Analogous

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



128, 165, 240



175, 173, 235



213, 162, 215

Triad

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



175, 173, 235



229, 184, 130



102, 155, 195

Complementary

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



175, 173, 235



173, 235, 175

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.



138, 188, 192



175, 173, 235



163, 205, 117

Square

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



175, 173, 235



240, 157, 155



122, 185, 133



75, 137, 203

Rectangle

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



175, 173, 235



230, 157, 196



122, 185, 133



114, 165, 195

Sweetspot

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



175, 173, 235



235, 235, 255



173, 204, 235



115, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 173, 235



176, 173, 255



205, 173, 235



106, 106, 117



6, 0, 181



2, 0, 54

Inverse Universe

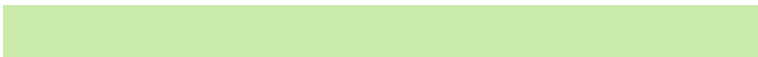
The Inverse Universe completely reimagines the original color for something new.



235, 173, 233



255, 173, 252



173, 235, 205



117, 106, 117



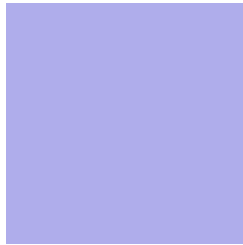
181, 0, 175



54, 0, 52

Previews

White Background



This preview shows how the RYB color 175, 173, 235 looks on a white background.

Color Contrast Check

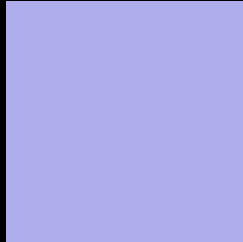
Large Text (above 18pt) WCAG AA × Fail

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 175, 173, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

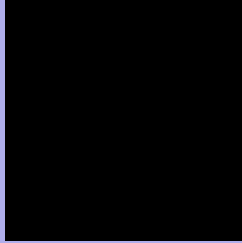
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

RYB 175, 173, 235 Background



This preview shows how black text looks on a background with the RYB color 175, 173, 235.



This preview shows how white text looks on a background with the RYB color 175, 173, 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



Original Color
175, 173, 235

Protanopia
162, 175, 238

Deuteranopia
166, 175, 234



Tritanopia
167, 176, 195

Trichromacy



Original Color
175, 173, 235

Protanomaly
167, 175, 237

Deuteranomaly
169, 174, 234

Tritanomaly
170, 177, 210

Monochromacy



Original Color
175, 173, 235

Achromatopsia
181, 181, 181

Achromatomaly
179, 178, 201

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 173, 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(175, 173, 235)` looks like.

```
.text, #text, p{  
    color:rgb(175, 173, 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(175, 173, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 173, 235) }
```

Border

The CSS property to change the border of an element to RYB 175, 173, 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(175, 173, 235) }
```

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

```
.border{ border-color:rgb(175, 173, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 173, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 173, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 173, 235);  
box-shadow:4px 4px 4px 4px rgb(175, 173,  
235) }
```

Background

The CSS property to change the background color of an element to RYB 175, 173, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 173, 235) }
```

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

```
.background{ background-color: rgb(175,  
173, 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](#).

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