

Converting Colors

`RYB(175, 157, 234)`

Have a look what the booklet for
RYB(175, 157, 234) contains.

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Color

R_YB(175, 157, 234)

Conversions

Conversions Part 1

Format	Color
Hex	AF9DEA
RGB	175, 157, 234
RGB Percent	69%, 62%, 92%
CMY	0.3137, 0.3843, 0.0824
CMYK	0.25, 0.33, 0.00, 0.08
HSL	254°, 65%, 77%
HSV	254°, 33%, 92%
XYZ	44.5874, 39.1684, 83.0521
YIQ	171.1600, -13.9890, 27.7630

Conversions

Conversions Part 2

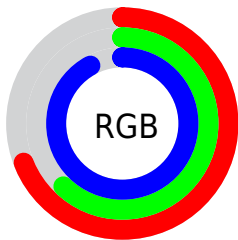
Format	Color
R_{YB}	175, 157, 234
Decimal	11509226
CIE _{Lab}	68.87, 22.67, -36.40
CIE _{LCh}	69, 42.886, 301.913
Yxy	39.1684, 0.2673, 0.2348
Android (android.graphics.Color)	4289699306 (0xFFAF9DEA)
YUV	171.1600, 30.9801, 3.3677
Hunter-Lab	62.5847, 17.6463, -34.8707

Details

The RYB color **175, 157, 234** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **157, 234, 175**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **232, 212, 255**, and **121, 106, 178** is the 20% darker color. If you saturate the color by 10%, you get **157, 134, 234**, and if you desaturate by 10%, it is **193, 180, 234**.

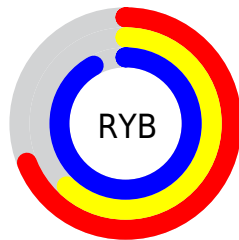
Distribution



Red (69%)

Green (62%)

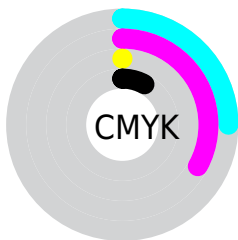
Blue (92%)



Red (69%)

Yellow (62%)

Blue (92%)

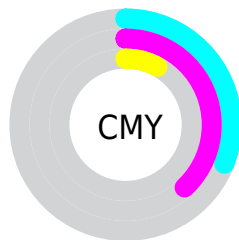


Cyan (25%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (31%)

Magenta (38%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 157, 234 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, 157, 234 by changing the saturation by 10% instead.

 175, 157, 234


255, 255, 255

 232, 212, 255

 255, 240, 255

 175, 157, 234

 148, 131, 206

 121, 106, 178

 95, 81, 151


 69, 58, 125

 44, 36, 99

 16, 16, 75

 0, 0, 52

 0, 2, 30

 0, 0, 0

■ 175, 157, 234

■ 175, 157, 234

■ 157, 134, 234

■ 193, 180, 234

■ 139, 110, 234

■ 211, 204, 234

■ 121, 87, 234

■ 229, 227, 234

■ 103, 63, 234

■ 234, 251, 238

■ 85, 40, 234

■ 234, 255, 234

■ 67, 17, 234

■ 55, 0, 234

Harmonies

Analogous

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



111, 152, 245



175, 157, 234



219, 143, 205

Triad

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



175, 157, 234



222, 194, 100



24, 111, 188

Complementary

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



175, 157, 234



157, 234, 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.



101, 163, 185



175, 157, 234



119, 190, 89

Square

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



175, 157, 234



240, 142, 129



100, 178, 128



0, 98, 208

Rectangle

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



175, 157, 234



236, 138, 180



100, 178, 128



59, 133, 188

Sweetspot

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



175, 157, 234



235, 230, 255



157, 190, 234



116, 112, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 157, 234



179, 156, 255



213, 157, 234



108, 106, 117



42, 0, 181



13, 0, 54

Inverse Universe

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



234, 157, 216



255, 156, 232



157, 234, 213



117, 106, 115



181, 0, 139



54, 0, 41

Previews

White Background



This preview shows how the RYB color 175, 157, 234 looks on a white background.

Color Contrast Check

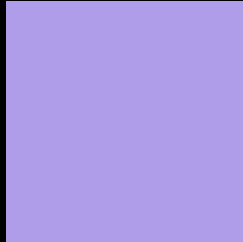
Large Text (above 18pt) WCAG AA × Fail

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, 157, 234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

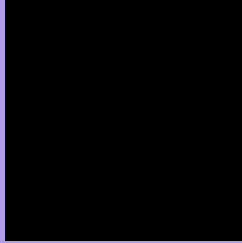
Any Text WCAG AA ✓ Pass

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, 157, 234 Background



This preview shows how black text looks on a background with the RYB color 175, 157, 234.



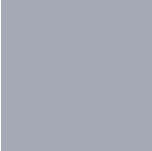
This preview shows how white text looks on a background with the RYB color 175, 157, 234.

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
165, 168, 181

Trichromacy



Original Color
175, 157, 234

Protanomaly
155, 162, 238

Deuteranomaly
157, 163, 233

Tritanomaly
169, 164, 200

Monochromacy



Original Color
175, 157, 234

Achromatopsia
171, 171, 171

Achromatomaly
172, 166, 194

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 157, 234 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, 157, 234)` looks like.

```
.text, #text, p{  
    color:rgb(175, 157, 234)  
}
```

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, 157, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 157, 234) }
```

Border

The CSS property to change the border of an element to RYB 175, 157, 234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

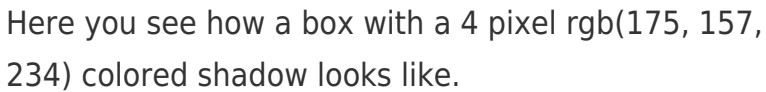
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 157, 234) }
```

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

```
.border{ border-color:rgb(175, 157, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 157, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 157, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 157, 234); box-shadow:4px 4px 4px 4px rgb(175, 157, 234) }
```

Background

The CSS property to change the background color of an element to RYB 175, 157, 234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 157, 234) }
```

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

```
.background{ background-color: rgb(175,  
157, 234) }
```

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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