

Converting Colors

`RYB(175, 158, 245)`

Have a look what the booklet for
RYB(175, 158, 245) contains.

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Color

R_YB(175, 158, 245)

Conversions

Conversions Part 1

Format	Color
Hex	AF9EF5
RGB	175, 158, 245
RGB Percent	69%, 62%, 96%
CMY	0.3137, 0.3804, 0.0392
CMYK	0.29, 0.36, 0.00, 0.04
HSL	252°, 81%, 79%
HSV	252°, 36%, 96%
XYZ	46.3875, 40.1603, 91.6930
YIQ	173.0010, -17.7950, 30.6610

Conversions

Conversions Part 2

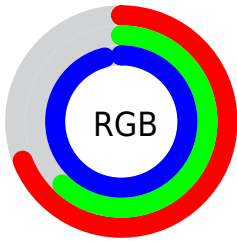
Format	Color
RYB	175, 158, 245
Decimal	11509493
CIELab	69.58, 24.77, -41.31
CIELCh	70, 48.165, 300.946
Yxy	40.1603, 0.2603, 0.2253
Android (android.graphics.Color)	4289699573 (0xFFAF9EF5)
YUV	173.0010, 35.4955, 1.7531
Hunter-Lab	63.3721, 19.7583, -41.4261

Details

The RYB color **175, 158, 245** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **158, 245, 175**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **232, 213, 255**, and **120, 107, 188** is the 20% darker color. If you saturate the color by 10%, you get **155, 134, 245**, and if you desaturate by 10%, it is **195, 183, 245**.

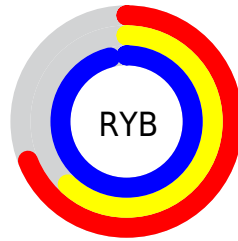
Distribution



Red (69%)

Green (62%)

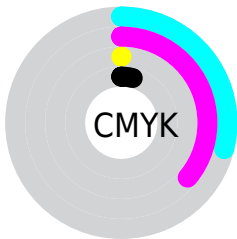
Blue (96%)



Red (69%)

Yellow (62%)

Blue (96%)

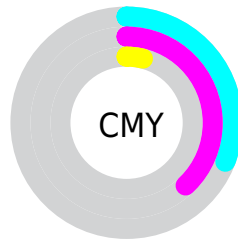


Cyan (29%)

Magenta (36%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (38%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 175, 158, 245 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, 158, 245 by changing the saturation by 10% instead.


 175, 158, 245


255, 255, 255

 232, 213, 255

 255, 241, 255

 175, 158, 245

 147, 132, 216

 120, 107, 188

 94, 82, 161

 67, 59, 134

 40, 37, 109

 6, 16, 84

 0, 0, 60

 0, 2, 38


 0, 1, 14

 175, 158, 245

 175, 158, 245

 155, 134, 245

 195, 183, 245

 136, 109, 245

 214, 207, 245

 116, 85, 245

 234, 232, 245


 96, 60, 245

 245, 255, 246

 76, 36, 245

 245, 255, 245

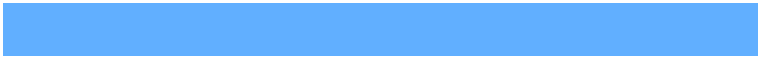
 57, 11, 245

 48, 0, 245

Harmonies

Analogous

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



97, 149, 255



175, 158, 245



225, 142, 213

Triad

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



175, 158, 245



230, 195, 94



0, 102, 192

Complementary

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



175, 158, 245



158, 245, 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.



94, 165, 189



175, 158, 245



115, 195, 80

Square

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



175, 158, 245



250, 139, 127



92, 181, 123



0, 101, 214

Rectangle

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



175, 158, 245



245, 135, 185



92, 181, 123



31, 122, 192

Sweetspot

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



175, 158, 245



232, 227, 255



158, 197, 245



114, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



175, 158, 245



167, 145, 255



217, 158, 245



113, 110, 122



36, 0, 186



11, 0, 59

Inverse Universe

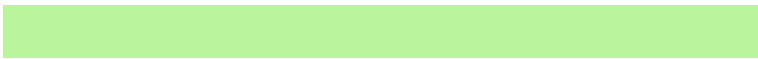
The Inverse Universe completely reimagines the original color for something new.



245, 158, 228



255, 145, 234



158, 245, 217



122, 110, 120



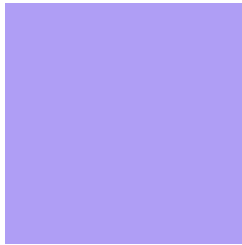
186, 0, 150



59, 0, 47

Previews

White Background



This preview shows how the RYB color 175, 158, 245 looks on a white background.

Color Contrast Check

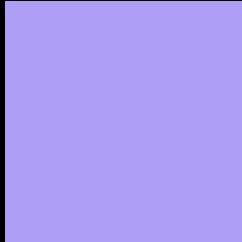
Large Text (above 18pt) WCAG AA × Fail

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, 158, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

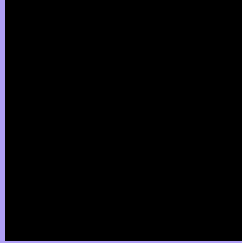
Any Text WCAG AA ✓ Pass

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, 158, 245 Background



This preview shows how black text looks on a background with the RYB color 175, 158, 245.

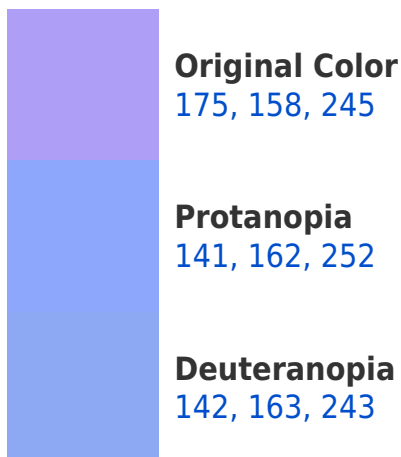


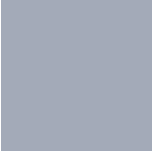
This preview shows how white text looks on a background with the RYB color 175, 158, 245.

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
163, 168, 184

Trichromacy



Original Color
175, 158, 245

Protanomaly
153, 163, 249

Deuteranomaly
154, 163, 244

Tritanomaly
167, 166, 206

Monochromacy



Original Color
175, 158, 245

Achromatopsia
173, 173, 173

Achromatomaly
174, 168, 199

CSS Examples

Text

The CSS property to change the color of the text to RYB 175, 158, 245 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, 158, 245)` looks like.

```
.text, #text, p{  
    color:rgb(175, 158, 245)  
}
```

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, 158, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 158, 245) }
```

Border

The CSS property to change the border of an element to RYB 175, 158, 245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

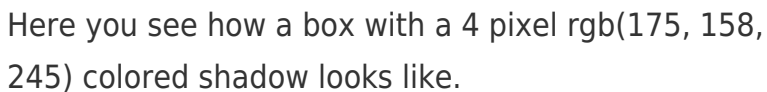
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 158, 245) }
```

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

```
.border{ border-color:rgb(175, 158, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 158, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 158, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 158, 245);  
box-shadow:4px 4px 4px 4px rgb(175, 158,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 175, 158, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 158, 245) }
```

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

```
.background{ background-color: rgb(175,  
158, 245) }
```

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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