

Converting Colors

`RYB(157, 172, 250)`

Have a look what the booklet for
RYB(157, 172, 250) contains.

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Color

R_YB(157, 172, 250)

Conversions

Conversions Part 1

Format	Color
Hex	9DAFFA
RGB	157, 175, 250
RGB Percent	62%, 69%, 98%
CMY	0.3843, 0.3142, 0.0196
CMYK	0.37, 0.30, 0.00, 0.02
HSL	228°, 90%, 80%
HSV	228°, 37%, 98%
XYZ	46.4675, 44.6853, 96.6185
YIQ	178.1680, -34.8030, 19.5090

Conversions

Conversions Part 2

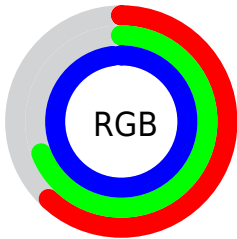
Format	Color
RYB	157, 172, 250
Decimal	10334202
CIELab	72.68, 11.63, -39.29
CIElCh	73, 40.971, 286.490
Yxy	44.6853, 0.2475, 0.2380
Android (android.graphics.Color)	4288524282 (0xFF9DAFFA)
YUV	178.1680, 35.4132, -18.5643
Hunter-Lab	66.8470, 7.0986, -38.9029

Details

The RYB color `157, 172, 250` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `179, 250, 157`, and the grayscale version is `178, 178, 178`.

A 20% lighter version of the original color is `214, 226, 255`, and `102, 119, 193` is the 20% darker color. If you saturate the color by 10%, you get `132, 151, 250`, and if you desaturate by 10%, it is `182, 193, 250`.

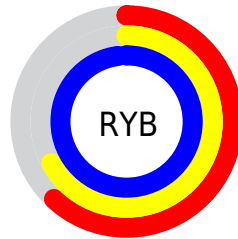
Distribution



Red (62%)

Green (69%)

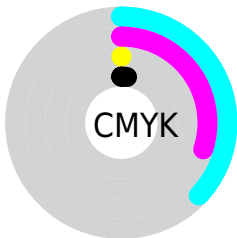
Blue (98%)



Red (62%)

Yellow (67%)

Blue (98%)

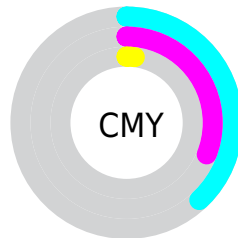


Cyan (37%)

Magenta (30%)

Yellow (0%)

Black (2%)



Cyan (38%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 157, 172, 250 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 157, 172, 250 by changing the saturation by 10% instead.

 157, 172, 250


255, 255, 255

 214, 226, 255

 243, 249, 255

 157, 172, 250

 129, 145, 221

 102, 119, 193

 74, 93, 166

 46, 68, 139

 7, 39, 113

 0, 23, 88

 0, 6, 65

 0, 3, 42

 0, 1, 20

■ 157, 172, 250

■ 157, 172, 250

■ 132, 151, 250

■ 182, 193, 250

■ 107, 130, 250

■ 207, 214, 250

■ 82, 109, 250

■ 232, 235, 250

■ 57, 88, 250

■ 250, 255, 250

■ 32, 67, 250

■ 7, 46, 250

■ 0, 40, 250

Harmonies

Analogous

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



90, 151, 251



157, 172, 250



208, 161, 230

Triad

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



157, 172, 250



242, 168, 126



90, 155, 197

Complementary

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



157, 172, 250



179, 250, 157

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.



125, 192, 177



157, 172, 250



186, 217, 105

Square

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



157, 172, 250



251, 149, 159



105, 183, 106



15, 107, 198

Rectangle

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



157, 172, 250



232, 153, 209



105, 183, 106



108, 169, 196

Sweetspot

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



157, 172, 250



227, 231, 255



157, 209, 250



111, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



157, 172, 250



140, 158, 255



185, 157, 250



112, 114, 125



0, 30, 189



0, 10, 61

Inverse Universe

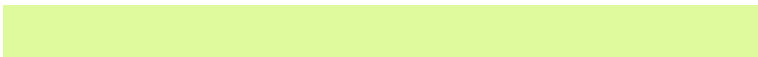
The Inverse Universe completely reimagines the original color for something new.



250, 157, 175



255, 140, 162



157, 250, 185



125, 112, 115



189, 0, 36



61, 0, 12

Previews

White Background



This preview shows how the RYB color 157, 172, 250 looks on a white background.

Color Contrast Check

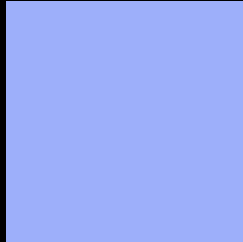
Large Text (above 18pt) WCAG AA × Fail

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 157, 172, 250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

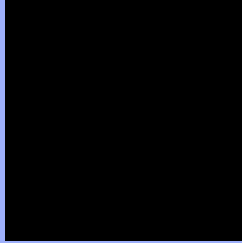
Any Text WCAG AA ✓ Pass

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 157, 172, 250 Background



This preview shows how black text looks on a background with the RYB color 157, 172, 250.



This preview shows how white text looks on a background with the RYB color 157, 172, 250.

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
157, 172, 250

Protanopia
155, 172, 250

Deuteranopia
153, 172, 250



Tritanopia

145, 168, 199

Trichromacy



Original Color
157, 172, 250

Protanomaly
156, 172, 250

Deuteranomaly
154, 172, 250

Tritanomaly
149, 171, 218

Monochromacy



Original Color
157, 172, 250

Achromatopsia
178, 178, 178

Achromatomaly
170, 176, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 157, 172, 250 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(157, 175, 250)` looks like.

```
.text, #text, p{  
    color:rgb(157, 175, 250)  
}
```

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(157, 175, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 175, 250) }
```

Border

The CSS property to change the border of an element to RYB 157, 172, 250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

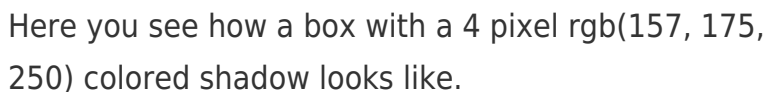
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 175, 250) }
```

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

```
.border{ border-color:rgb(157, 175, 250) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 175, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 175, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 175, 250); box-shadow:4px 4px 4px 4px rgb(157, 175, 250) }
```

Background

The CSS property to change the background color of an element to RYB 157, 172, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 175, 250) }
```

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

```
.background{ background-color: rgb(157,  
175, 250) }
```

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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