

Converting Colors

`RYB(159, 172, 244)`

Have a look what the booklet for
RYB(159, 172, 244) contains.

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Color

R_YB(159, 172, 244)

Conversions

Conversions Part 1

Format	Color
Hex	9FAEF4
RGB	159, 174, 244
RGB Percent	62%, 68%, 96%
CMY	0.3765, 0.3163, 0.0431
CMYK	0.35, 0.29, 0.00, 0.04
HSL	229°, 79%, 79%
HSV	229°, 35%, 96%
XYZ	45.8304, 44.3090, 91.7249
YIQ	177.4950, -31.4100, 18.5900

Conversions

Conversions Part 2

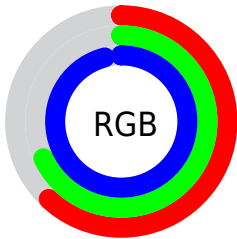
Format	Color
RYB	159, 172, 244
Decimal	10465012
CIELab	72.43, 10.90, -36.42
CIElCh	72, 38.011, 286.659
Yxy	44.3090, 0.2520, 0.2436
Android (android.graphics.Color)	4288655092 (0xFF9FAEF4)
YUV	177.4950, 32.7870, -16.2201
Hunter-Lab	66.5650, 6.4096, -35.1046

Details

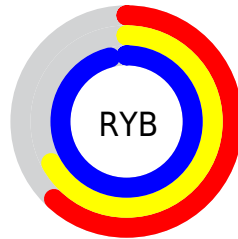
The RYB color **159, 172, 244** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **177, 244, 159**, and the grayscale version is **177, 177, 177**.

A 20% lighter version of the original color is **216, 226, 255**, and **104, 119, 187** is the 20% darker color. If you saturate the color by 10%, you get **135, 151, 244**, and if you desaturate by 10%, it is **183, 192, 244**.

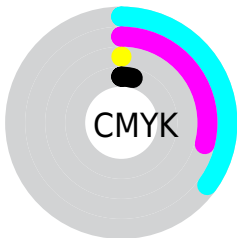
Distribution



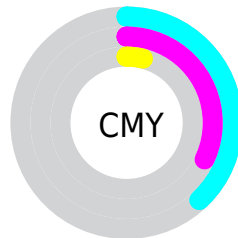
- Red (62%)
- Green (68%)
- Blue (96%)



- Red (62%)
- Yellow (67%)
- Blue (96%)



- Cyan (35%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)



- Cyan (38%)
- Magenta (32%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 172, 244 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 159, 172, 244 by changing the saturation by 10% instead.


 159, 172, 244

255, 255, 255

 216, 226, 255

 245, 250, 255

 159, 172, 244

 131, 145, 215

 104, 119, 187

 78, 93, 160

 50, 69, 134

 18, 43, 108

 0, 23, 84

 0, 5, 60

 0, 2, 38

 0, 1, 14

■ 159, 172, 244

■ 159, 172, 244

■ 135, 151, 244

■ 183, 192, 244

■ 110, 130, 244

■ 208, 213, 244

■ 86, 110, 244

■ 232, 234, 244

■ 61, 89, 244

■ 245, 255, 244

■ 37, 68, 244

■ 244, 255, 244

■ 13, 48, 244

■ 0, 37, 244

Harmonies

Analogous

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



101, 154, 245



159, 172, 244



206, 162, 226

Triad

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



159, 172, 244



238, 170, 129



98, 157, 195

Complementary

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



159, 172, 244



177, 244, 159

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.



129, 190, 177



159, 172, 244



186, 214, 110

Square

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



159, 172, 244



246, 151, 159



110, 182, 111



51, 124, 196

Rectangle

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



159, 172, 244



228, 155, 206



110, 182, 111



113, 169, 194

Sweetspot

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



159, 172, 244



230, 233, 255



159, 206, 244



112, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 172, 244



148, 164, 255



186, 159, 244



110, 112, 122



0, 29, 186



0, 9, 59

Inverse Universe

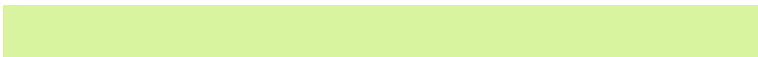
The Inverse Universe completely reimagines the original color for something new.



244, 159, 174



255, 148, 167



159, 244, 186



122, 110, 112



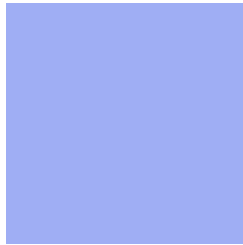
186, 0, 34



59, 0, 11

Previews

White Background



This preview shows how the RYB color 159, 172, 244 looks on a white background.

Color Contrast Check

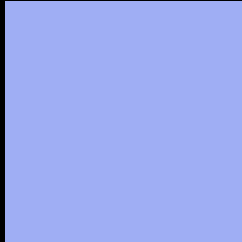
Large Text (above 18pt) WCAG AA × Fail

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 159, 172, 244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

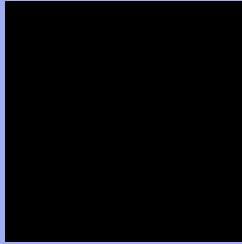
Any Text WCAG AA ✓ Pass

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 159, 172, 244 Background



This preview shows how black text looks on a background with the RYB color 159, 172, 244.



This preview shows how white text looks on a background with the RYB color 159, 172, 244.

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](#).

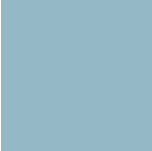
Dichromacy



Original Color
159, 172, 244

Protanopia
157, 172, 244

Deuteranopia
156, 172, 244



Tritanopia
148, 169, 198

Trichromacy



Original Color

159, 172, 244

Protanomaly

158, 172, 244

Deuteranomaly

157, 172, 244

Tritanomaly

152, 171, 215

Monochromacy



Original Color

159, 172, 244

Achromatopsia

178, 178, 178

Achromatomaly

171, 176, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 172, 244 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(159, 174, 244)` looks like.

```
.text, #text, p{  
    color:rgb(159, 174, 244)  
}
```

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(159, 174, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 174, 244) }
```

Border

The CSS property to change the border of an element to RYB 159, 172, 244 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(159, 174, 244) }
```

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

```
.border{ border-color:rgb(159, 174, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 174, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 174, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 174, 244); box-shadow:4px 4px 4px 4px rgb(159, 174, 244) }
```

Background

The CSS property to change the background color of an element to RYB 159, 172, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 174, 244) }
```

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

```
.background{ background-color: rgb(159,  
174, 244) }
```

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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