

Converting Colors

`RYB(172, 159, 203)`

Have a look what the booklet for
RYB(172, 159, 203) contains.

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Color

R_YB(172, 159, 203)

Conversions

Conversions Part 1

Format	Color
Hex	AC9FCB
RGB	172, 159, 203
RGB Percent	67%, 62%, 80%
CMY	0.3255, 0.3765, 0.2039
CMYK	0.15, 0.22, 0.00, 0.20
HSL	258°, 30%, 71%
HSV	258°, 22%, 80%
XYZ	40.1909, 37.8787, 61.6929
YIQ	167.9030, -6.3760, 16.4400

Conversions

Conversions Part 2

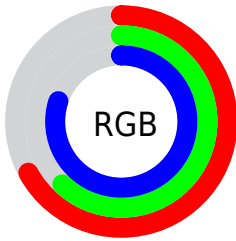
Format	Color
R_{YB}	172, 159, 203
Decimal	11313099
CIE _{Lab}	67.93, 13.52, -20.79
CIE _{LCh}	68, 24.796, 303.034
Yxy	37.8787, 0.2876, 0.2710
Android (android.graphics.Color)	4289503179 (0xFFAC9FCB)
YUV	167.9030, 17.3028, 3.5931
Hunter-Lab	61.5457, 8.8600, -16.3499

Details

The RYB color **172, 159, 203** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **159, 203, 172**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **228, 214, 255**, and **119, 108, 149** is the 20% darker color. If you saturate the color by 10%, you get **158, 139, 203**, and if you desaturate by 10%, it is **186, 179, 203**.

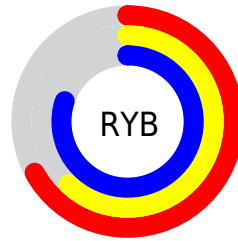
Distribution



Red (67%)

Green (62%)

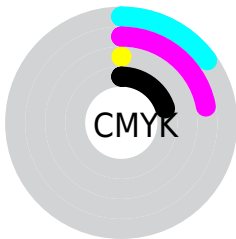
Blue (80%)



Red (67%)

Yellow (62%)

Blue (80%)

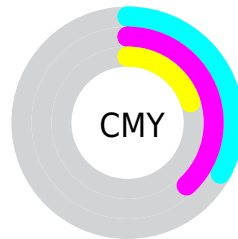


Cyan (15%)

Magenta (22%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (38%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 159, 203 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 172, 159, 203 by changing the saturation by 10% instead.

 172, 159, 203

255, 255, 255

 228, 214, 255


 255, 242, 255

 172, 159, 203

 145, 133, 176

 119, 108, 149

 94, 83, 123


 70, 60, 98


 47, 38, 74

 24, 18, 51

 0, 0, 30

 0, 0, 0

 172, 159, 203

 172, 159, 203

■ 158, 139, 203

■ 186, 179, 203

■ 143, 118, 203

■ 201, 200, 203

■ 129, 98, 203

■ 203, 220, 208

■ 115, 78, 203

■ 203, 240, 214

■ 100, 58, 203

■ 203, 255, 214

■ 86, 37, 203

■ 203, 255, 203

■ 72, 17, 203

■ 60, 0, 203

Harmonies

Analogous

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



141, 160, 210



172, 159, 203



196, 152, 186

Triad

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



172, 159, 203



199, 180, 126



108, 146, 178

Complementary

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



172, 159, 203



159, 203, 172

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.



130, 165, 176



172, 159, 203



141, 180, 121

Square

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



172, 159, 203



210, 152, 142



128, 172, 145



99, 141, 189

Rectangle

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



172, 159, 203



206, 150, 172



128, 172, 145



114, 152, 178

Sweetspot

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



172, 159, 203



242, 237, 255



159, 178, 203



120, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 159, 203



208, 189, 255



193, 159, 203



95, 92, 102



49, 0, 166



11, 0, 38

Inverse Universe

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



203, 159, 190



255, 189, 235



159, 203, 193



102, 92, 99



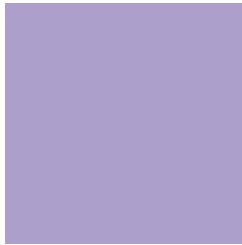
166, 0, 117



38, 0, 27

Previews

White Background



This preview shows how the RYB color 172, 159, 203 looks on a white background.

Color Contrast Check

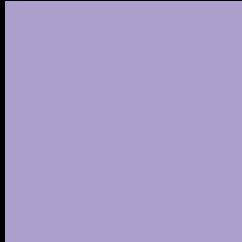
Large Text (above 18pt) WCAG AA × Fail

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 172, 159, 203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

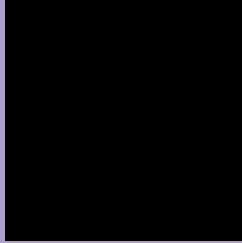
Any Text WCAG AA ✓ Pass

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 172, 159, 203 Background



This preview shows how black text looks on a background with the RYB color 172, 159, 203.



This preview shows how white text looks on a background with the RYB color 172, 159, 203.

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
172, 159, 203

Protanopia
155, 163, 206

Deuteranopia
163, 162, 202



Tritanopia
168, 164, 177

Trichromacy



Original Color
172, 159, 203

Protanomaly
161, 162, 205

Deuteranomaly
166, 161, 202

Tritanomaly
169, 162, 186

Monochromacy



Original Color
172, 159, 203

Achromatopsia
168, 168, 168

Achromatomaly
169, 165, 181

CSS Examples

Text

The CSS property to change the color of the text to RGB 172, 159, 203 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(172, 159, 203) looks like.

```
.text, #text, p{  
    color:rgb(172, 159, 203)  
}
```

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(172, 159, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 159, 203) }
```

Border

The CSS property to change the border of an element to RYB 172, 159, 203 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(172, 159, 203) }
```

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

```
.border{ border-color:rgb(172, 159, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 159, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 159, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 159, 203);  
box-shadow:4px 4px 4px 4px rgb(172, 159,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 172, 159, 203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 159, 203) }
```

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

```
.background{ background-color: rgb(172,  
159, 203) }
```

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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