

Converting Colors

`RYB(172, 159, 196)`

Have a look what the booklet for
RYB(172, 159, 196) contains.

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Color

R_YB(172, 159, 196)

Conversions

Conversions Part 1

Format	Color
Hex	AC9FC4
RGB	172, 159, 196
RGB Percent	67%, 62%, 77%
CMY	0.3255, 0.3765, 0.2314
CMYK	0.12, 0.19, 0.00, 0.23
HSL	261°, 24%, 70%
HSV	261°, 19%, 77%
XYZ	39.3752, 37.5525, 57.3976
YIQ	167.1050, -4.1290, 14.2630

Conversions

Conversions Part 2

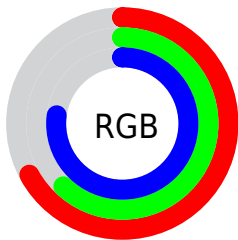
Format	Color
RYB	172, 159, 196
Decimal	11313092
CIELab	67.69, 12.00, -17.27
CIELCh	68, 21.032, 304.799
Yxy	37.5525, 0.2931, 0.2796
Android (android.graphics.Color)	4289503172 (0xFFAC9FC4)
YUV	167.1050, 14.2452, 4.2929
Hunter-Lab	61.2801, 7.4542, -12.6376

Details

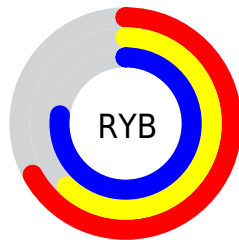
The RYB color **172, 159, 196** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **159, 196, 172**, and the grayscale version is **167, 167, 167**.

A 20% lighter version of the original color is **228, 214, 253**, and **119, 108, 142** is the 20% darker color. If you saturate the color by 10%, you get **159, 139, 196**, and if you desaturate by 10%, it is **185, 179, 196**.

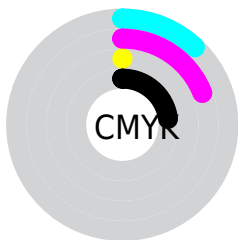
Distribution



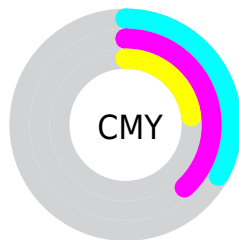
- Red (67%)
- Green (62%)
- Blue (77%)



- Red (67%)
- Yellow (62%)
- Blue (77%)



- Cyan (12%)
- Magenta (19%)
- Yellow (0%)
- Black (23%)



- Cyan (33%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 159, 196 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, 196 by changing the saturation by 10% instead.

 172, 159, 196

255, 255, 255

 228, 214, 253


 255, 242, 255

 172, 159, 196


 145, 133, 169

 119, 108, 142

 94, 83, 117

 70, 60, 92

 48, 38, 68

 26, 18, 46

 0, 0, 25

 0, 0, 0

 172, 159, 196

 172, 159, 196

■ 159, 139, 196

■ 185, 179, 196

■ 147, 120, 196

■ 196, 198, 197

■ 134, 100, 196

■ 196, 218, 204

■ 121, 81, 196

■ 196, 237, 210

■ 108, 61, 196

■ 196, 255, 215

■ 96, 41, 196

■ 196, 255, 203

■ 83, 22, 196

■ 196, 255, 196

■ 70, 2, 196

■ 69, 0, 196

Harmonies

Analogous

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



147, 161, 202



172, 159, 196



192, 154, 181

Triad

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



172, 159, 196



193, 179, 131



117, 149, 176

Complementary

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



172, 159, 196



159, 196, 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.



134, 164, 174



172, 159, 196



141, 176, 127

Square

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



172, 159, 196



203, 155, 144



133, 170, 148



112, 146, 186

Rectangle

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



172, 159, 196



200, 152, 169



133, 170, 148



122, 153, 176

Sweetspot

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



172, 159, 196



245, 240, 255



159, 174, 196



122, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 159, 196



217, 196, 255



190, 159, 196



91, 87, 97



56, 0, 161



12, 0, 33

Inverse Universe

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



196, 159, 183



255, 196, 234



159, 196, 190



97, 87, 93



161, 0, 104



33, 0, 22

Previews

White Background



This preview shows how the RYB color 172, 159, 196 looks on a white background.

Color Contrast Check

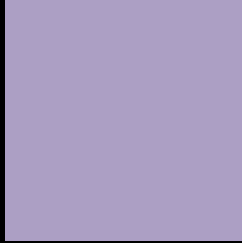
Large Text (above 18pt) WCAG AA × Fail

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, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

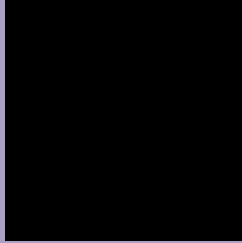
Any Text WCAG AA ✓ Pass

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, 196 Background



This preview shows how black text looks on a background with the RYB color 172, 159, 196.



This preview shows how white text looks on a background with the RYB color 172, 159, 196.

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, 196

Protanopia
157, 162, 199

Deuteranopia
166, 161, 196



Tritanopia
169, 163, 175

Trichromacy



Original Color

172, 159, 196

Protanomaly

162, 162, 198

Deuteranomaly

168, 160, 196

Tritanomaly

170, 162, 183

Monochromacy



Original Color

172, 159, 196

Achromatopsia

167, 167, 167

Achromatomaly

169, 164, 178

CSS Examples

Text

The CSS property to change the color of the text to RGB 172, 159, 196 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, 196) looks like.

```
.text, #text, p{  
    color:rgb(172, 159, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 159, 196) }
```

Border

The CSS property to change the border of an element to RYB 172, 159, 196 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, 196) }
```

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

```
.border{ border-color:rgb(172, 159, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 159, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 159, 196);  
box-shadow:4px 4px 4px 4px rgb(172, 159,  
196) }
```

Background

The CSS property to change the background color of an element to RYB 172, 159, 196 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, 196) }
```

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

```
.background{ background-color: rgb(172,  
159, 196) }
```

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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