

Converting Colors

`RYB(172, 139, 222)`

Have a look what the booklet for
RYB(172, 139, 222) contains.

RYB(172, 139, 222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(172, 139, 222)

Conversions

Conversions Part 1

Format	Color
Hex	AC8BDE
RGB	172, 139, 222
RGB Percent	67%, 55%, 87%
CMY	0.3255, 0.4549, 0.1294
CMYK	0.23, 0.37, 0.00, 0.13
HSL	264°, 56%, 71%
HSV	264°, 37%, 87%
XYZ	39.4307, 32.5098, 73.3040
YIQ	158.3290, -6.9750, 32.8090

Conversions

Conversions Part 2

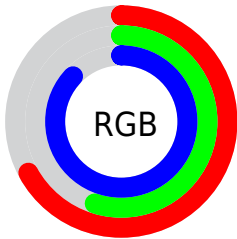
Format	Color
RYB	172, 139, 222
Decimal	11307998
CIELab	63.76, 29.11, -37.77
CIELCh	64, 47.682, 307.621
Yxy	32.5098, 0.2715, 0.2238
Android (android.graphics.Color)	4289498078 (0xFFAC8BDE)
YUV	158.3290, 31.3898, 11.9895
Hunter-Lab	57.0174, 23.6623, -36.3136

Details

The RYB color **172, 139, 222** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **139, 222, 172**, and the grayscale version is **158, 158, 158**.

A 20% lighter version of the original color is **229, 193, 255**, and **118, 88, 166** is the 20% darker color. If you saturate the color by 10%, you get **159, 117, 222**, and if you desaturate by 10%, it is **185, 161, 222**.

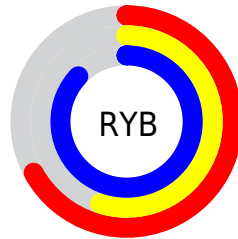
Distribution



Red (67%)

Green (55%)

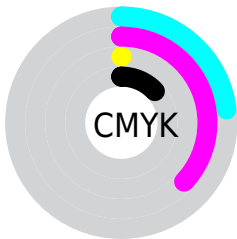
Blue (87%)



Red (67%)

Yellow (55%)

Blue (87%)

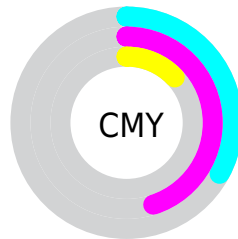


Cyan (23%)

Magenta (37%)

Yellow (0%)

Black (13%)



Cyan (33%)


Magenta (45%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the RYB color 172, 139, 222 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, 139, 222 by changing the saturation by 10% instead.


 172, 139, 222

255, 255, 255

 229, 193, 255

 255, 221, 255

 255, 250, 255


 172, 139, 222

 145, 113, 194

 118, 88, 166

 92, 65, 140

 66, 42, 114


 41, 20, 89

 16, 0, 65

 0, 1, 42

 0, 1, 20


 0, 0, 0


 172, 139, 222

 172, 139, 222

 159, 117, 222


 185, 161, 222

 145, 95, 222


 199, 183, 222

 132, 72, 222

 212, 206, 222

 119, 50, 222


 222, 228, 225

 105, 28, 222

 222, 250, 233

 92, 6, 222

 222, 255, 225

 88, 0, 222

 222, 255, 222

Harmonies

Analogous

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



101, 140, 239



172, 139, 222



215, 124, 188

Triad

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



172, 139, 222



201, 205, 75



0, 91, 176

Complementary

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



172, 139, 222



139, 222, 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.



62, 135, 174



172, 139, 222



82, 169, 67

Square

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



172, 139, 222



229, 130, 105



84, 167, 127



0, 94, 205

Rectangle

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



172, 139, 222



230, 119, 160



84, 167, 127



0, 95, 176

Sweetspot

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



172, 139, 222



238, 227, 255



139, 171, 222



118, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



172, 139, 222



186, 140, 255



212, 139, 222



105, 101, 112



70, 0, 176



19, 0, 48

Inverse Universe

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



222, 139, 189



255, 140, 209



139, 222, 212



112, 101, 108



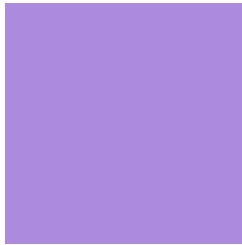
176, 0, 106



48, 0, 29

Previews

White Background



This preview shows how the RYB color 172, 139, 222 looks on a white background.

Color Contrast Check

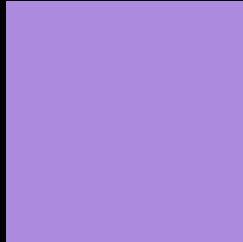
Large Text (above 18pt) WCAG AA × Fail

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, 139, 222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

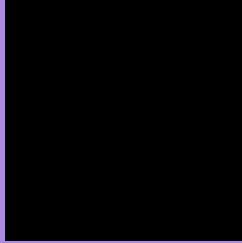
Any Text WCAG AA ✓ Pass

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, 139, 222 Background



This preview shows how black text looks on a background with the RYB color 172, 139, 222.

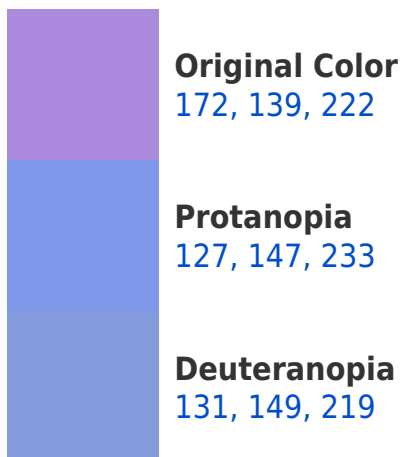


This preview shows how white text looks on a background with the RYB color 172, 139, 222.

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
162, 151, 163

Trichromacy



Original Color
172, 139, 222

Protanomaly
143, 147, 229

Deuteranomaly
146, 148, 220

Tritanomaly
166, 147, 184

Monochromacy



Original Color
172, 139, 222

Achromatopsia
158, 158, 158

Achromatomaly
163, 151, 181

CSS Examples

Text

The CSS property to change the color of the text to RYB 172, 139, 222 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, 139, 222)` looks like.

```
.text, #text, p{  
    color:rgb(172, 139, 222)  
}
```

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, 139, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 139, 222) }
```

Border

The CSS property to change the border of an element to RYB 172, 139, 222 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, 139, 222) }
```

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

```
.border{ border-color:rgb(172, 139, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 139, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 139, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 139, 222);  
box-shadow:4px 4px 4px 4px rgb(172, 139,  
222) }
```

Background

The CSS property to change the background color of an element to RYB 172, 139, 222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 139, 222) }
```

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

```
.background{ background-color: rgb(172,  
139, 222) }
```

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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