

Converting Colors

`RYB(169, 133, 212)`

Have a look what the booklet for
RYB(169, 133, 212) contains.

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Color

R_YB(169, 133, 212)

Conversions

Conversions Part 1

Format	Color
Hex	A985D4
RGB	169, 133, 212
RGB Percent	66%, 52%, 83%
CMY	0.3373, 0.4784, 0.1686
CMYK	0.20, 0.37, 0.00, 0.17
HSL	267°, 48%, 68%
HSV	267°, 37%, 83%
XYZ	36.6334, 29.9635, 66.1401
YIQ	152.7700, -3.9030, 32.2010

Conversions

Conversions Part 2

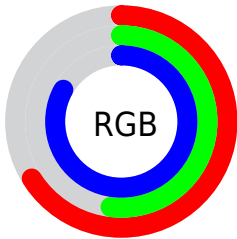
Format	Color
RYB	169, 133, 212
Decimal	11109844
CIELab	61.62, 29.29, -35.55
CIElCh	62, 46.062, 309.488
Yxy	29.9635, 0.2760, 0.2257
Android (android.graphics.Color)	4289299924 (0xFFA985D4)
YUV	152.7700, 29.2004, 14.2337
Hunter-Lab	54.7390, 23.6658, -33.3218

Details

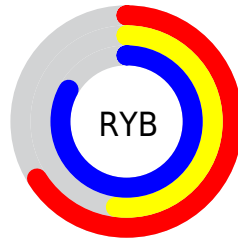
The RYB color **169, 133, 212** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **133, 212, 169**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **225, 187, 255**, and **115, 83, 157** is the 20% darker color. If you saturate the color by 10%, you get **157, 112, 212**, and if you desaturate by 10%, it is **181, 154, 212**.

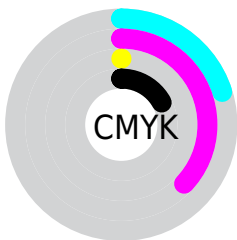
Distribution



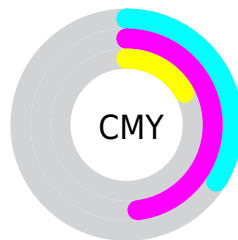
- Red (66%)
- Green (52%)
- Blue (83%)



- Red (66%)
- Yellow (52%)
- Blue (83%)



- Cyan (20%)
- Magenta (37%)
- Yellow (0%)
- Black (17%)



- Cyan (34%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the RYB color 169, 133, 212 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 169, 133, 212 by changing the saturation by 10% instead.


 169, 133, 212


255, 255, 255

 225, 187, 255

 254, 214, 255

 255, 243, 255

 169, 133, 212


 142, 107, 184

 115, 83, 157

 90, 59, 131

 64, 36, 105

 39, 14, 81

 19, 0, 57

 0, 2, 35

 0, 0, 9

 0, 0, 0

■ 169, 133, 212

■ 169, 133, 212

■ 157, 112, 212

■ 181, 154, 212

■ 146, 91, 212

■ 192, 175, 212

■ 134, 69, 212

■ 204, 197, 212

■ 123, 48, 212

■ 212, 218, 215

■ 111, 27, 212

■ 212, 239, 224

■ 100, 6, 212

■ 212, 255, 229

■ 97, 0, 212

■ 212, 255, 217

■ 212, 255, 212

Harmonies

Analogous

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



103, 137, 229



169, 133, 212



209, 119, 178

Triad

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



169, 133, 212



185, 196, 72



0, 87, 170

Complementary

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



169, 133, 212



133, 212, 169

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.



55, 126, 167



169, 133, 212



76, 161, 65

Square

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



169, 133, 212



219, 127, 99



83, 161, 128



0, 91, 200

Rectangle

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



169, 133, 212



222, 114, 151



83, 161, 128



0, 90, 169

Sweetspot

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



169, 133, 212



240, 227, 255



133, 161, 212



118, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



169, 133, 212



193, 140, 255



208, 133, 212



101, 96, 107



78, 0, 171



20, 0, 43

Inverse Universe

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



212, 133, 176



255, 140, 203



133, 212, 208



107, 96, 102



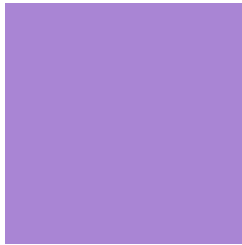
171, 0, 93



43, 0, 24

Previews

White Background



This preview shows how the RYB color 169, 133, 212 looks on a white background.

Color Contrast Check

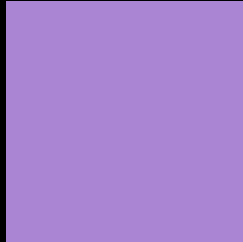
Large Text (above 18pt) WCAG AA ✓ Pass

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 169, 133, 212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

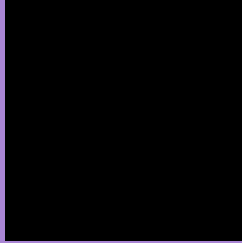
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 169, 133, 212 Background



This preview shows how black text looks on a background with the RYB color 169, 133, 212.

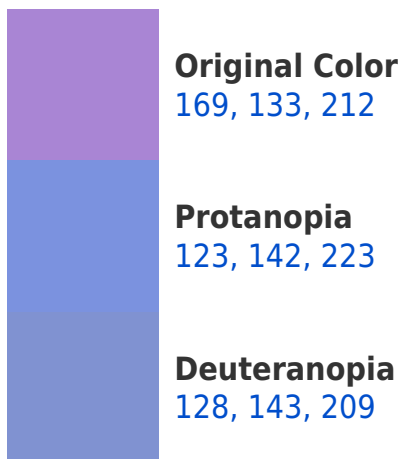


This preview shows how white text looks on a background with the RYB color 169, 133, 212.

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
159, 145, 156

Trichromacy



Original Color
169, 133, 212

Protanomaly
140, 141, 219

Deuteranomaly
143, 142, 210

Tritanomaly
163, 141, 176

Monochromacy



Original Color
169, 133, 212

Achromatopsia
153, 153, 153

Achromatomaly
159, 146, 174

CSS Examples

Text

The CSS property to change the color of the text to RYB 169, 133, 212 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(169, 133, 212)` looks like.

```
.text, #text, p{  
    color:rgb(169, 133, 212)  
}
```

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(169, 133, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 133, 212) }
```

Border

The CSS property to change the border of an element to RYB 169, 133, 212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

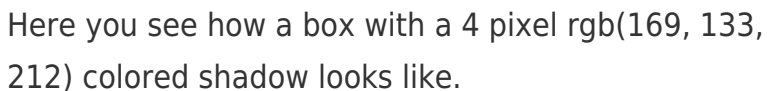
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 133, 212) }
```

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

```
.border{ border-color:rgb(169, 133, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 133, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 133, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 133, 212); box-shadow:4px 4px 4px 4px rgb(169, 133, 212) }
```

Background

The CSS property to change the background color of an element to RYB 169, 133, 212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 133, 212) }
```

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

```
.background{ background-color: rgb(169,  
133, 212) }
```

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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