

# Converting Colors

`RYB(169, 111, 218)`

Have a look what the booklet for  
RYB(169, 111, 218) contains.

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# Color

**R<sub>Y</sub>B(169, 111, 218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A96FDA
RGB	169, 111, 218
RGB Percent	66%, 44%, 85%
CMY	0.3373, 0.5647, 0.1451
CMYK	0.22, 0.49, 0.00, 0.15
HSL	273°, 59%, 65%
HSV	273°, 49%, 85%
XYZ	34.7015, 24.8659, 69.3003
YIQ	140.5400, 0.2210, 45.5730

# Conversions

## Conversions Part 2

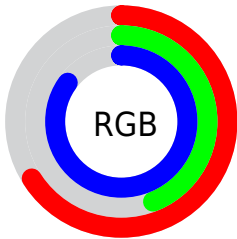
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 111, 218
Decimal	11104218
CIE <sub>Lab</sub>	56.94, 42.94, -46.27
CIE <sub>LCh</sub>	57, 63.129, 312.865
Yxy	24.8659, 0.2693, 0.1930
Android (android.graphics.Color)	4289294298 (0xFFA96FDA)
YUV	140.5400, 38.1878, 24.9594
Hunter-Lab	49.8657, 36.9532, -47.4917

# Details

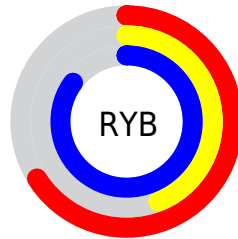
The RYB color **169, 111, 218** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **111, 218, 169**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **226, 164, 255**, and **114, 61, 162** is the 20% darker color. If you saturate the color by 10%, you get **159, 89, 218**, and if you desaturate by 10%, it is **179, 133, 218**.

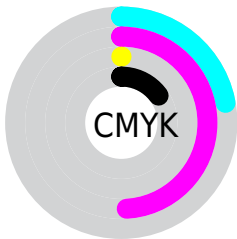
# Distribution



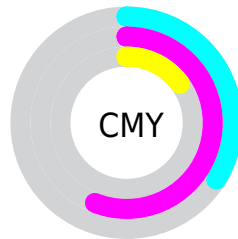
- Red (66%)
- Green (44%)
- Blue (85%)



- Red (66%)
- Yellow (44%)
- Blue (85%)



- Cyan (22%)
- Magenta (49%)
- Yellow (0%)
- Black (15%)



- Cyan (34%)
- Magenta (56%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 169, 111, 218 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, 111, 218 by changing the saturation by 10% instead.



 169, 111, 218


255, 255, 255


 226, 164, 255

 255, 192, 255

 255, 220, 255


 255, 249, 255

 169, 111, 218

 141, 86, 190

 114, 61, 162

 87, 36, 136

 61, 8, 110

 33, 0, 85

 5, 0, 61

 0, 3, 38

 0, 1, 15


 0, 0, 0

 169, 111, 218

 169, 111, 218

 159, 89, 218

 179, 133, 218


 149, 67, 218


 189, 155, 218

 139, 46, 218


 199, 176, 218

 129, 24, 218

 209, 198, 218

 119, 2, 218

 218, 220, 219

 118, 0, 218

 218, 242, 231

 218, 255, 234

 218, 255, 224

 218, 255, 218

# Harmonies

## Analogous

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



60, 113, 245



169, 111, 218



219, 87, 170

# Triad

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



169, 111, 218



125, 189, 16



0, 82, 162

# Complementary

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



169, 111, 218



111, 218, 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.



0, 98, 160



169, 111, 218



0, 141, 0

# Square

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



169, 111, 218



223, 109, 64



48, 154, 124



0, 91, 211

# Rectangle

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



169, 111, 218



233, 80, 134



48, 154, 124



0, 87, 162



# Sweetspot

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



169, 111, 218



237, 217, 255



111, 145, 218



117, 105, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



169, 111, 218



186, 105, 255



218, 111, 214



105, 99, 110



94, 0, 173



25, 0, 46



# Inverse Universe

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



218, 111, 160



255, 105, 173



111, 214, 218



110, 99, 104



173, 0, 79



46, 0, 21



# Previews

## White Background



This preview shows how the RYB color 169, 111, 218 looks on a white background.

## Color Contrast Check

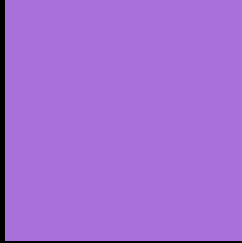
Large Text (above 18pt) WCAG AA ✓ Pass

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, 111, 218 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

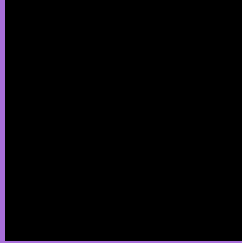
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 169, 111, 218 Background



This preview shows how black text looks on a background with the RYB color 169, 111, 218.

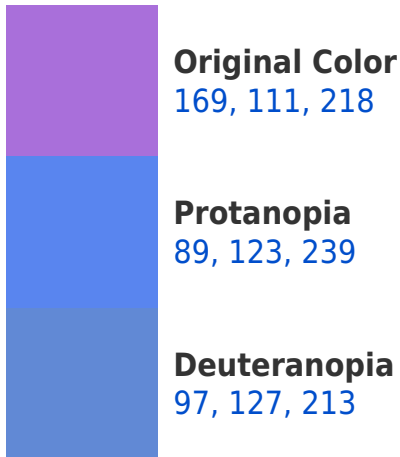



This preview shows how white text looks on a background with the RYB color 169, 111, 218.

# 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**  
156, 130, 140

# Trichromacy



**Original Color**  
169, 111, 218



**Protanomaly**  
118, 125, 231



**Deuteranomaly**  
123, 128, 215



**Tritanomaly**  
161, 123, 168

# Monochromacy



**Original Color**  
169, 111, 218



**Achromatopsia**  
141, 141, 141



**Achromatomaly**  
151, 130, 169

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 169, 111, 218 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, 111, 218) looks like.

```
.text, #text, p{  
    color:rgb(169, 111, 218)  
}
```

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, 111, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 111, 218) }
```

## Border

The CSS property to change the border of an element to RYB 169, 111, 218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

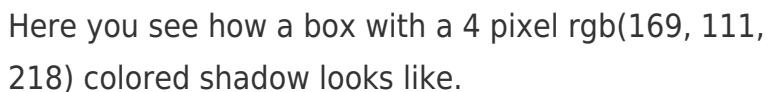
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 111, 218) }
```

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

```
.border{ border-color:rgb(169, 111, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 111, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 111, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 111, 218); box-shadow:4px 4px 4px 4px rgb(169, 111, 218) }
```

# Background

The CSS property to change the background color of an element to RYB 169, 111, 218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 111, 218) }
```

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

```
.background{ background-color: rgb(169,  
111, 218) }
```

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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