

Converting Colors

`RYB(169, 0, 242)`

Have a look what the booklet for
RYB(169, 0, 242) contains.

RYB(169, 0, 242)	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(169, 0, 242)

Conversions

Conversions Part 1

Format	Color
Hex	A900F2
RGB	169, 0, 242
RGB Percent	66%, 0%, 95%
CMY	0.3373, 1.0000, 0.0510
CMYK	0.30, 1.00, 0.00, 0.05
HSL	282°, 100%, 47%
HSV	282°, 100%, 95%
XYZ	32.3892, 14.8458, 85.1628
YIQ	78.1190, 23.0420, 111.0900

Conversions

Conversions Part 2

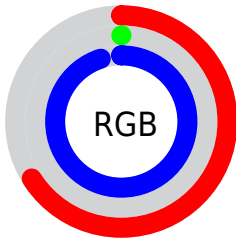
Format	Color
RYB	169, 0, 242
Decimal	11075826
CIELab	45.42, 84.49, -78.37
CIElCh	45, 115.241, 317.151
Yxy	14.8458, 0.2446, 0.1121
Android (android.graphics.Color)	4289265906 (0xFFA900F2)
YUV	78.1190, 80.7933, 79.7026
Hunter-Lab	38.5303, 82.6221, -104.0765

Details

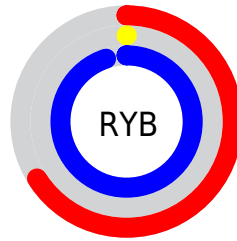
The RYB color **169, 0, 242** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **0, 242, 169**, and the grayscale version is **77, 77, 77**.

A 20% lighter version of the original color is **230, 89, 255**, and **108, 0, 184** is the 20% darker color. If you saturate the color by 10%, you get **169, 0, 242**, and if you desaturate by 10%, it is **176, 24, 242**.

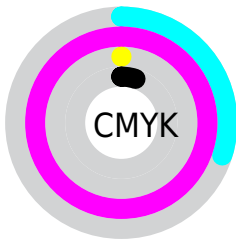
Distribution



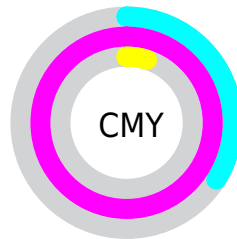
- Red (66%)
- Green (0%)
- Blue (95%)



- Red (66%)
- Yellow (0%)
- Blue (95%)



- Cyan (30%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





















- Cyan (34%)
- Magenta (100%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the RYB color 169, 0, 242 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, 0, 242 by changing the saturation by 10% instead.


 169, 0, 242	 169, 0, 242
 255, 255, 255	 139, 0, 213
 230, 89, 255	 108, 0, 184
 255, 119, 255	 77, 0, 157
 255, 149, 255	 42, 0, 130
 255, 178, 255	 0, 0, 103
 255, 208, 255	 0, 0, 78
 255, 238, 255	 0, 5, 54
	 0, 2, 32
	 0, 0, 4


 169, 0, 242

 176, 24, 242


 184, 48, 242

 191, 73, 242

 198, 97, 242

 206, 121, 242

 213, 145, 242

 220, 169, 242

 227, 194, 242

 235, 218, 242

Harmonies

Analogous

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



0, 74, 255



169, 0, 242



248, 0, 153

Triad

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



169, 0, 242



144, 165, 0



0, 76, 163

Complementary

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



169, 0, 242



0, 242, 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, 96, 138



169, 0, 242



0, 120, 43

Square

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



169, 0, 242



227, 0, 0



0, 133, 133



0, 91, 251

Rectangle

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



169, 0, 242



255, 0, 90



0, 133, 133



0, 73, 140

Sweetspot

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



169, 0, 242



232, 179, 255



0, 58, 242



114, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



169, 0, 242



178, 0, 255



242, 0, 198



116, 108, 120



128, 0, 184



39, 0, 56

Inverse Universe

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



242, 0, 73



255, 0, 77



0, 205, 242



120, 108, 111



184, 0, 55



56, 0, 17

Previews

White Background



This preview shows how the RYB color 169, 0, 242 looks on a white background.

Color Contrast Check

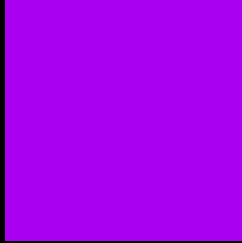
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 169, 0, 242 looks on a black 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

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

RGB 169, 0, 242 Background



This preview shows how black text looks on a background with the RGB color 169, 0, 242.

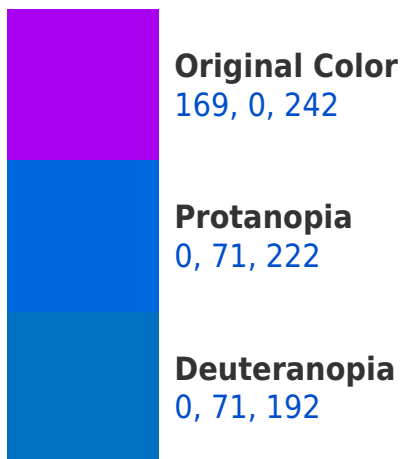


This preview shows how white text looks on a background with the RGB color 169, 0, 242.

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
145, 95, 102

Trichromacy



Original Color

169, 0, 242



Protanomaly

61, 67, 229



Deuteranomaly

61, 70, 210



Tritanomaly

154, 60, 153

Monochromacy



Original Color

169, 0, 242



Achromatopsia

78, 78, 78



Achromatomaly

111, 50, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 169, 0, 242 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, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(169, 0, 242)  
}
```

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, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 0, 242) }
```

Border

The CSS property to change the border of an element to RYB 169, 0, 242 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, 0, 242) }
```

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

```
.border{ border-color:rgb(169, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(169, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(169, 0,  
242) }
```

Background

The CSS property to change the background color of an element to RYB 169, 0, 242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 0, 242) }
```

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

```
.background{ background-color: rgb(169, 0,  
242) }
```

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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