

Converting Colors

`RYB(148, 0, 241)`

Have a look what the booklet for
RYB(148, 0, 241) contains.

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Color

R_YB(148, 0, 241)

Conversions

Conversions Part 1

Format	Color
Hex	9400F1
RGB	148, 0, 241
RGB Percent	58%, 0%, 95%
CMY	0.4196, 1.0000, 0.0549
CMYK	0.39, 1.00, 0.00, 0.05
HSL	277°, 100%, 47%
HSV	277°, 100%, 95%
XYZ	28.0899, 12.6468, 84.1797
YIQ	71.7260, 10.8470, 106.3270

Conversions

Conversions Part 2

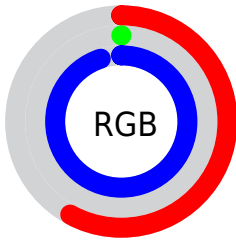
Format	Color
R_{YB}	148, 0, 241
Decimal	9699569
CIE _{Lab}	42.23, 82.07, -83.17
CIE _{LCh}	42, 116.848, 314.620
Yxy	12.6468, 0.2249, 0.1012
Android (android.graphics.Color)	4287889649 (0xFF9400F1)
YUV	71.7260, 83.4521, 66.8923
Hunter-Lab	35.5623, 78.7594, -115.4520

Details

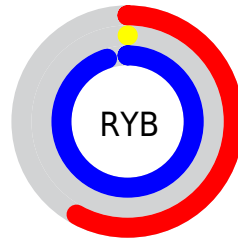
The RYB color **148, 0, 241** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **0, 241, 148**, and the grayscale version is **71, 71, 71**.

A 20% lighter version of the original color is **209, 85, 255**, and **85, 0, 183** is the 20% darker color. If you saturate the color by 10%, you get **148, 0, 241**, and if you desaturate by 10%, it is **157, 24, 241**.

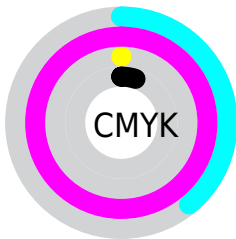
Distribution



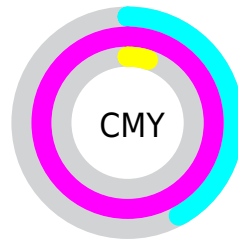
- Red (58%)
- Green (0%)
- Blue (95%)



- Red (58%)
- Yellow (0%)
- Blue (95%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)



- Cyan (42%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the RYB color 148, 0, 241 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 148, 0, 241 by changing the saturation by 10% instead.



148, 0, 241



148, 0, 241

255, 255, 255



117, 0, 212



209, 85, 255



85, 0, 183



240, 115, 255



49, 0, 156



255, 144, 255



0, 0, 129



255, 173, 255



0, 0, 102



255, 202, 255



0, 5, 77



255, 232, 255



0, 5, 53



0, 2, 31




0, 0, 2

 148, 0, 241

 157, 24, 241

 167, 48, 241


 176, 72, 241

 185, 96, 241

 194, 120, 241

 204, 145, 241

 213, 169, 241

 222, 193, 241

 232, 217, 241

Harmonies

Analogous

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



0, 72, 255



148, 0, 241



236, 0, 153

Triad

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



148, 0, 241



161, 144, 0



0, 70, 147

Complementary

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



148, 0, 241



0, 241, 148

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, 97, 129



148, 0, 241



0, 110, 33

Square

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



148, 0, 241



221, 0, 0



0, 124, 124



0, 86, 237

Rectangle

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



148, 0, 241



252, 0, 91



0, 124, 124



0, 70, 131

Sweetspot

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



148, 0, 241



225, 179, 255



0, 69, 241



110, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



148, 0, 241



157, 0, 255



241, 0, 217



115, 108, 120



113, 0, 184



34, 0, 56

Inverse Universe

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



241, 0, 93



255, 0, 98



0, 219, 241



120, 108, 112



184, 0, 71



56, 0, 22

Previews

White Background



This preview shows how the RYB color 148, 0, 241 looks on a white background.

Color Contrast Check

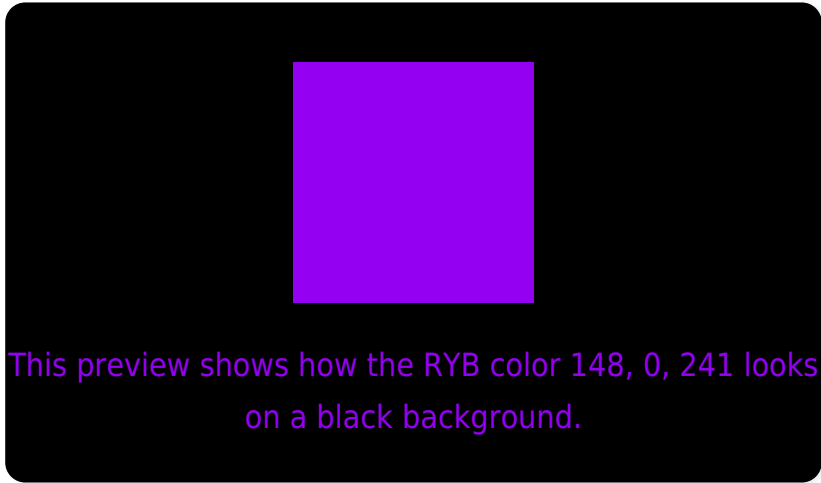
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

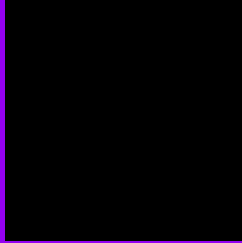
Any Text WCAG AA × Fail

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](#).

R Y B 148, 0, 241 Background



This preview shows how black text looks on a background with the R Y B color 148, 0, 241.



This preview shows how white text looks on a background with the R Y B color 148, 0, 241.

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


148, 0, 241

Protanopia

0, 66, 205

Deuteranopia

0, 66, 177



Tritanopia
120, 94, 101

Trichromacy



Original Color

148, 0, 241



Protanomaly

54, 62, 218



Deuteranomaly

54, 65, 200



Tritanomaly

130, 60, 152

Monochromacy



Original Color

148, 0, 241



Achromatopsia

72, 72, 72



Achromatomaly

100, 46, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 148, 0, 241 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(148, 0, 241)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 241)  
}
```

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(148, 0, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 241) }
```

Border

The CSS property to change the border of an element to RYB 148, 0, 241 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(148, 0, 241) }
```

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

```
.border{ border-color:rgb(148, 0, 241) }
```

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

Here you see how a box with a 4 pixel rgb(148, 0, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 241);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
241) }
```

Background

The CSS property to change the background color of an element to RYB 148, 0, 241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 241) }
```

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

```
.background{ background-color: rgb(148, 0,  
241) }
```

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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