

Converting Colors

`RYB(144, 6, 249)`

Have a look what the booklet for
RYB(144, 6, 249) contains.

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Color

R_YB(144, 6, 249)

Conversions

Conversions Part 1

Format	Color
Hex	9006F9
RGB	144, 6, 249
RGB Percent	56%, 2%, 98%
CMY	0.4353, 0.9765, 0.0235
CMYK	0.42, 0.98, 0.00, 0.02
HSL	274°, 95%, 50%
HSV	274°, 98%, 98%
XYZ	28.6656, 12.8991, 90.6015
YIQ	74.9640, 4.2450, 104.8290

Conversions

Conversions Part 2

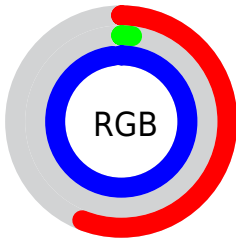
Format	Color
R_{YB}	144, 6, 249
Decimal	9438969
CIE _{Lab}	42.61, 82.68, -87.06
CIE _{LCh}	43, 120.062, 313.520
Yxy	12.8991, 0.2169, 0.0976
Android (android.graphics.Color)	4287629049 (0xFF9006F9)
YUV	74.9640, 85.7997, 60.5446
Hunter-Lab	35.9153, 79.6170, -124.4267

Details

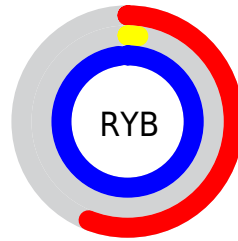
The RYB color **144, 6, 249** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **6, 249, 144**, and the grayscale version is **74, 74, 74**.

A 20% lighter version of the original color is **206, 87, 255**, and **79, 0, 191** is the 20% darker color. If you saturate the color by 10%, you get **141, 0, 249**, and if you desaturate by 10%, it is **155, 31, 249**.

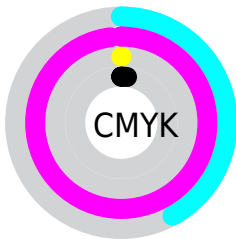
Distribution



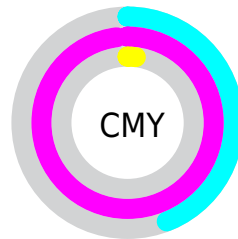
- Red (56%)
- Green (2%)
- Blue (98%)



- Red (56%)
- Yellow (2%)
- Blue (98%)



- Cyan (42%)
- Magenta (98%)
- Yellow (0%)
- Black (2%)



- Cyan (44%)
- Magenta (98%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the RYB color 144, 6, 249 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 144, 6, 249 by changing the saturation by 10% instead.



144, 6, 249



144, 6, 249

255, 255, 255



112, 0, 220



206, 87, 255



79, 0, 191



237, 116, 255



39, 0, 163



255, 145, 255



0, 0, 136



255, 174, 255



0, 0, 109



255, 204, 255



0, 5, 83



255, 233, 255



0, 5, 59



0, 2, 37



0, 1, 13

■ 144, 6, 249

■ 144, 6, 249

■ 141, 0, 249

■ 155, 31, 249

■ 166, 56, 249

■ 176, 81, 249

■ 187, 106, 249

■ 198, 131, 249

■ 209, 155, 249

■ 219, 180, 249

■ 230, 205, 249

■ 241, 230, 249

Harmonies

Analogous

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



0, 74, 255



144, 6, 249



239, 0, 160

Triad

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



144, 6, 249



166, 134, 0



0, 69, 145

Complementary

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



144, 6, 249



6, 249, 144

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, 102, 130



144, 6, 249



0, 111, 31

Square

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



144, 6, 249



227, 0, 0



0, 125, 125



0, 86, 240

Rectangle

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



144, 6, 249



255, 0, 95



0, 125, 125



0, 72, 132

Sweetspot

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



144, 6, 249



223, 181, 255



6, 79, 249



108, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



144, 6, 249



145, 0, 255



249, 6, 233



120, 112, 125



107, 0, 189



35, 0, 61

Inverse Universe

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



249, 6, 111



255, 0, 110



6, 234, 249



125, 112, 118



189, 0, 82



61, 0, 26

Previews

White Background



This preview shows how the RYB color 144, 6, 249 looks on a white background.

Color Contrast Check

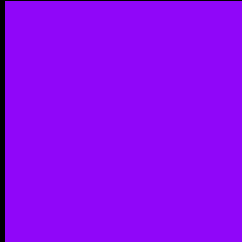
Large Text (above 18pt) WCAG AA ✓ Pass

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 144, 6, 249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

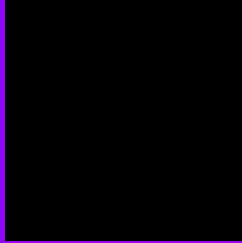
Any Text WCAG AA × Fail

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](#).

RYP 144, 6, 249 Background



This preview shows how black text looks on a background with the RYP color 144, 6, 249.



This preview shows how white text looks on a background with the RYP color 144, 6, 249.

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

144, 6, 249

Protanopia

0, 66, 206

Deuteranopia

0, 66, 177



Tritanopia
112, 97, 105

Trichromacy



Original Color

144, 6, 249



Protanomaly

52, 64, 222



Deuteranomaly

52, 66, 203



Tritanomaly

124, 64, 157

Monochromacy



Original Color

144, 6, 249



Achromatopsia

75, 75, 75



Achromatomaly

100, 50, 138

CSS Examples

Text

The CSS property to change the color of the text to RYB 144, 6, 249 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(144, 6, 249)` looks like.

```
.text, #text, p{  
    color:rgb(144, 6, 249)  
}
```

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(144, 6, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 6, 249) }
```

Border

The CSS property to change the border of an element to RYB 144, 6, 249 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(144, 6, 249) }
```

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

```
.border{ border-color:rgb(144, 6, 249) }
```

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

Here you see how a box with a 4 pixel rgb(144, 6, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 6, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 6, 249);  
box-shadow:4px 4px 4px 4px rgb(144, 6,  
249) }
```

Background

The CSS property to change the background color of an element to RYB 144, 6, 249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 6, 249) }
```

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

```
.background{ background-color: rgb(144, 6,  
249) }
```

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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