

Converting Colors

`RYB(159, 7, 253)`

Have a look what the booklet for
RYB(159, 7, 253) contains.

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Color

R_YB(159, 7, 253)

Conversions

Conversions Part 1

Format	Color
Hex	9F07FD
RGB	159, 7, 253
RGB Percent	62%, 3%, 99%
CMY	0.3765, 0.9725, 0.0078
CMYK	0.37, 0.97, 0.00, 0.01
HSL	277°, 98%, 51%
HSV	277°, 97%, 99%
XYZ	32.1037, 14.6147, 94.0574
YIQ	80.4920, 11.6260, 108.7300

Conversions

Conversions Part 2

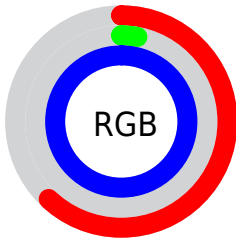
Format	Color
RYB	159, 7, 253
Decimal	10422269
CIELab	45.10, 84.84, -85.13
CIELCh	45, 120.186, 314.903
Yxy	14.6147, 0.2280, 0.1038
Android (android.graphics.Color)	4288612349 (0xFF9F07FD)
YUV	80.4920, 85.0464, 68.8515
Hunter-Lab	38.2292, 82.9974, -119.1139

Details

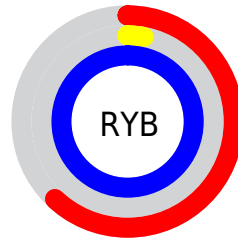
The RYB color **159, 7, 253** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle saturated purple. A complement of this color would be **7, 253, 159**, and the grayscale version is **80, 80, 80**.

A 20% lighter version of the original color is **221, 90, 255**, and **96, 0, 195** is the 20% darker color. If you saturate the color by 10%, you get **156, 0, 253**, and if you desaturate by 10%, it is **169, 32, 253**.

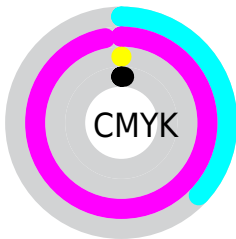
Distribution



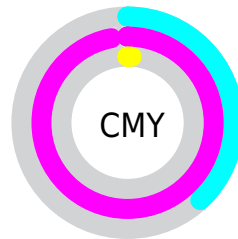
- Red (62%)
- Green (3%)
- Blue (99%)



- Red (62%)
- Yellow (3%)
- Blue (99%)



- Cyan (37%)
- Magenta (97%)
- Yellow (0%)
- Black (1%)



- Cyan (38%)
- Magenta (97%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 159, 7, 253 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 159, 7, 253 by changing the saturation by 10% instead.



159, 7, 253



159, 7, 253

255, 255, 255



128, 0, 224



221, 90, 255



96, 0, 195



252, 120, 255



62, 0, 167



255, 149, 255



11, 0, 139



255, 178, 255



0, 0, 113



255, 208, 255



0, 0, 87



255, 238, 255



0, 5, 62



0, 3, 40



0, 1, 17

■ 159, 7, 253

■ 159, 7, 253

■ 156, 0, 253

■ 169, 32, 253

■ 178, 58, 253

■ 188, 83, 253

■ 198, 108, 253

■ 207, 134, 253

■ 217, 159, 253

■ 227, 184, 253

■ 236, 209, 253

■ 246, 235, 253

Harmonies

Analogous

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



0, 75, 255



159, 7, 253



249, 0, 162

Triad

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



159, 7, 253



171, 161, 0



0, 74, 157

Complementary

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



159, 7, 253



7, 253, 159

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, 138



159, 7, 253



0, 118, 36

Square

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



159, 7, 253



233, 0, 0



0, 132, 132



0, 91, 251

Rectangle

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



159, 7, 253



255, 0, 96



0, 132, 132



0, 75, 140

Sweetspot

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



159, 7, 253



227, 181, 255



7, 75, 253



110, 83, 128



0, 0, 0



128, 128, 128

Same Dimension

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



159, 7, 253



158, 0, 255



253, 7, 224



123, 115, 128



118, 0, 191



39, 0, 64

Inverse Universe

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



253, 7, 101



255, 0, 97



7, 227, 253



128, 115, 120



191, 0, 73



64, 0, 24

Previews

White Background



This preview shows how the RYB color 159, 7, 253 looks on a white background.

Color Contrast Check

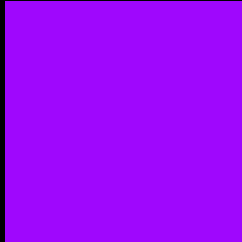
Large Text (above 18pt) WCAG AA ✓ Pass

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 159, 7, 253 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](#).

RYB 159, 7, 253 Background



This preview shows how black text looks on a background with the RYB color 159, 7, 253.

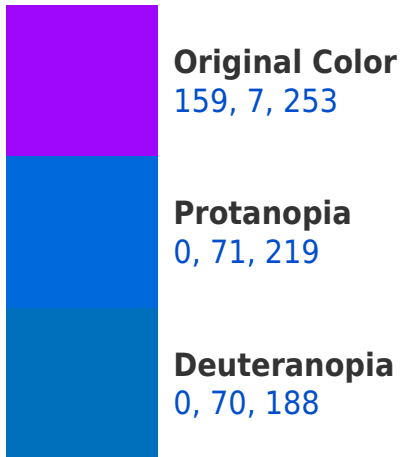


This preview shows how white text looks on a background with the RYB color 159, 7, 253.

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
130, 99, 107

Trichromacy



Original Color

159, 7, 253



Protanomaly

58, 68, 231



Deuteranomaly

58, 72, 212



Tritanomaly

141, 66, 160

Monochromacy



Original Color

159, 7, 253



Achromatopsia

80, 80, 80



Achromatomaly

109, 53, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 7, 253 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(159, 7, 253)` looks like.

```
.text, #text, p{  
    color:rgb(159, 7, 253)  
}
```

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(159, 7, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 7, 253) }
```

Border

The CSS property to change the border of an element to RYB 159, 7, 253 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(159, 7, 253) }
```

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

```
.border{ border-color:rgb(159, 7, 253) }
```

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

Here you see how a box with a 4 pixel rgb(159, 7, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 7, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 7, 253);  
box-shadow:4px 4px 4px 4px rgb(159, 7,  
253) }
```

Background

The CSS property to change the background color of an element to RYB 159, 7, 253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 7, 253) }
```

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

```
.background{ background-color: rgb(159, 7,  
253) }
```

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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