

Converting Colors

`RYB(159, 1, 166)`

Have a look what the booklet for
RYB(159, 1, 166) contains.

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Color

R_YB(159, 1, 166)

Conversions

Conversions Part 1

Format	Color
Hex	9F01A6
RGB	159, 1, 166
RGB Percent	62%, 0%, 65%
CMY	0.3765, 0.9961, 0.3490
CMYK	0.04, 0.99, 0.00, 0.35
HSL	297°, 99%, 33%
HSV	297°, 99%, 65%
XYZ	21.1919, 10.1458, 36.9178
YIQ	67.0520, 41.2030, 84.8110

Conversions

Conversions Part 2

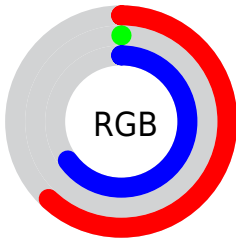
Format	Color
R_{YB}	159, 1, 166
Decimal	10420646
CIE _{Lab}	38.10, 69.99, -46.18
CIE _{LCh}	38, 83.850, 326.581
Yxy	10.1458, 0.3105, 0.1486
Android (android.graphics.Color)	4288610726 (0xFF9F01A6)
YUV	67.0520, 48.7814, 80.6384
Hunter-Lab	31.8525, 63.0165, -46.4218

Details

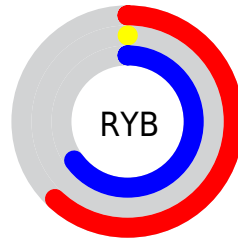
The RYB color **159, 1, 166** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **1, 166, 159**, and the grayscale version is **67, 67, 67**.

A 20% lighter version of the original color is **217, 82, 222**, and **102, 0, 113** is the 20% darker color. If you saturate the color by 10%, you get **159, 0, 166**, and if you desaturate by 10%, it is **160, 18, 166**.

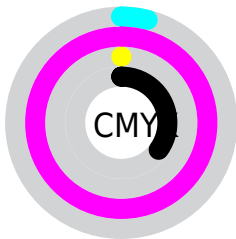
Distribution



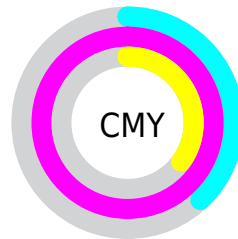
- Red (62%)
- Green (0%)
- Blue (65%)



- Red (62%)
- Yellow (0%)
- Blue (65%)



- Cyan (4%)
- Magenta (99%)
- Yellow (0%)
- Black (35%)



- Cyan (38%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the RYB color 159, 1, 166 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, 1, 166 by changing the saturation by 10% instead.

 159, 1, 166

 159, 1, 166

255, 255, 255

 131, 0, 139

 217, 82, 222

 102, 0, 113

 247, 111, 251

 75, 0, 88

 255, 139, 255

 50, 0, 64

 255, 168, 255

 14, 0, 41

 255, 197, 255

 0, 1, 18


 255, 227, 255

 0, 0, 0

 159, 1, 166

 159, 1, 166

 159, 0, 166

 160, 18, 166

■ 160, 34, 166

■ 161, 51, 166

■ 162, 67, 166

■ 163, 84, 166

■ 163, 101, 166

■ 164, 117, 166

■ 165, 134, 166

■ 165, 150, 166

Harmonies

Analogous

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



25, 65, 214



159, 1, 166



198, 0, 101

Triad

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



159, 1, 166



44, 117, 0



0, 65, 150

Complementary

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



159, 1, 166



1, 166, 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, 67, 114



159, 1, 166



0, 103, 56

Square

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



159, 1, 166



166, 68, 0



0, 111, 111



0, 73, 205

Rectangle

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



159, 1, 166



201, 0, 57



0, 111, 111



0, 61, 127

Sweetspot

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



159, 1, 166



214, 152, 217



1, 9, 166



108, 70, 110



237, 237, 237



110, 110, 110

Same Dimension

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



159, 1, 166



208, 0, 217



166, 1, 92



84, 76, 84



142, 0, 148



20, 0, 20

Inverse Universe

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



166, 1, 8



217, 0, 9



1, 115, 166



84, 76, 76



148, 0, 6



20, 0, 1

Previews

White Background



This preview shows how the RYB color 159, 1, 166 looks on a white background.

Color Contrast Check

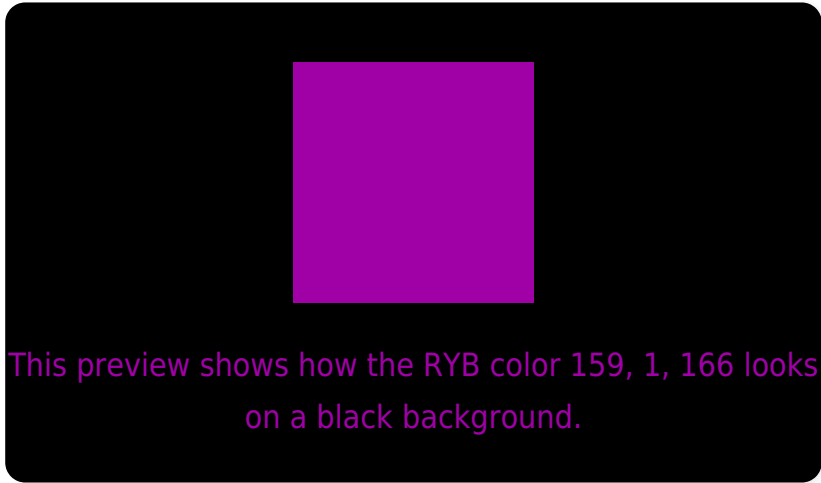
Large Text (above 18pt) WCAG AA ✓ Pass

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

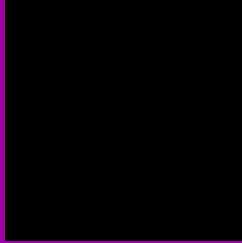
Any Text WCAG AA × Fail

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 159, 1, 166 Background



This preview shows how black text looks on a background with the RYB color 159, 1, 166.

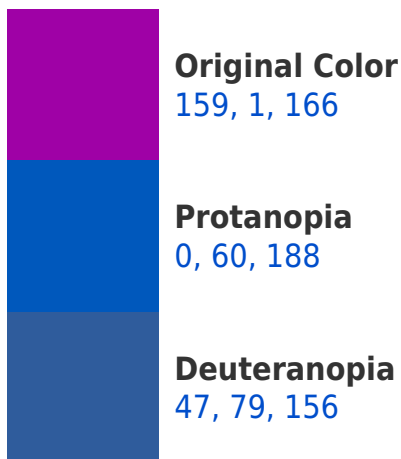


This preview shows how white text looks on a background with the RYB color 159, 1, 166.

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
148, 65, 70

Trichromacy



Original Color

159, 1, 166



Protanomaly

58, 57, 180



Deuteranomaly

88, 60, 160



Tritanomaly

152, 42, 105

Monochromacy



Original Color

159, 1, 166



Achromatopsia

67, 67, 67



Achromatomaly

100, 43, 103

CSS Examples

Text

The CSS property to change the color of the text to RYB 159, 1, 166 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, 1, 166)` looks like.

```
.text, #text, p{  
    color:rgb(159, 1, 166)  
}
```

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, 1, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 1, 166) }
```

Border

The CSS property to change the border of an element to RYB 159, 1, 166 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, 1, 166) }
```

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

```
.border{ border-color:rgb(159, 1, 166) }
```

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

Here you see how a box with a 4 pixel rgb(159, 1, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 1, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 1, 166);  
box-shadow:4px 4px 4px 4px rgb(159, 1,  
166) }
```

Background

The CSS property to change the background color of an element to RYB 159, 1, 166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 1, 166) }
```

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

```
.background{ background-color: rgb(159, 1,  
166) }
```

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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