

Converting Colors

`RYB(139, 0, 156)`

Have a look what the booklet for
RYB(139, 0, 156) contains.

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Color

R_YB(139, 0, 156)

Conversions

Conversions Part 1

Format	Color
Hex	8B009C
RGB	139, 0, 156
RGB Percent	55%, 0%, 61%
CMY	0.4549, 1.0000, 0.3882
CMYK	0.11, 1.00, 0.00, 0.39
HSL	293°, 100%, 31%
HSV	293°, 100%, 61%
XYZ	16.6482, 7.8893, 32.0978
YIQ	59.3450, 32.7680, 77.9840

Conversions

Conversions Part 2

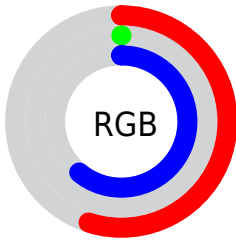
Format	Color
RYB	139, 0, 156
Decimal	9109660
CIELab	33.75, 65.31, -47.33
CIElCh	34, 80.658, 324.070
Yxy	7.8893, 0.2940, 0.1393
Android (android.graphics.Color)	4287299740 (0xFF8B009C)
YUV	59.3450, 47.6509, 69.8574
Hunter-Lab	28.0878, 56.6467, -48.0931

Details

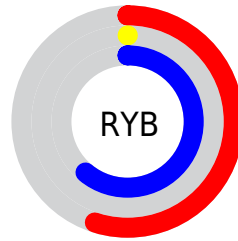
The RYB color **139, 0, 156** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **0, 156, 139**, and the grayscale version is **59, 59, 59**.

A 20% lighter version of the original color is **196, 77, 211**, and **84, 0, 104** is the 20% darker color. If you saturate the color by 10%, you get **139, 0, 156**, and if you desaturate by 10%, it is **141, 16, 156**.

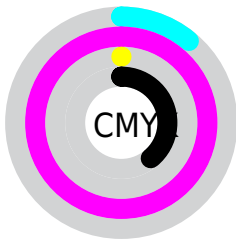
Distribution



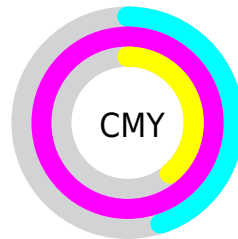
- Red (55%)
- Green (0%)
- Blue (61%)



- Red (55%)
- Yellow (0%)
- Blue (61%)



- Cyan (11%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (45%)
- Magenta (100%)
- Yellow (39%)
- Black (16%)

Brightness & Saturation Gradients


These gradients show how the RYB color 139, 0, 156 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 139, 0, 156 by changing the saturation by 10% instead.

 139, 0, 156

 139, 0, 156

255, 255, 255

 111, 0, 129

 196, 77, 211

 84, 0, 104

 226, 105, 240

 57, 0, 79

 255, 133, 255

 29, 0, 55

 255, 161, 255

 0, 2, 33

 255, 190, 255

 0, 0, 5

 255, 219, 255

 0, 0, 0

 255, 248, 255

 139, 0, 156

■ 141, 16, 156

■ 142, 31, 156

■ 144, 47, 156

■ 146, 62, 156

■ 147, 78, 156

■ 149, 94, 156

■ 151, 109, 156

■ 153, 125, 156

■ 154, 140, 156

Harmonies

Analogous

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



0, 51, 199



139, 0, 156



179, 0, 95

Triad

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



139, 0, 156



52, 108, 0



0, 58, 131

Complementary

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



139, 0, 156



0, 156, 139

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, 63, 102



139, 0, 156



0, 91, 46

Square

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



139, 0, 156



153, 44, 0



0, 99, 99



0, 66, 184

Rectangle

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



139, 0, 156



184, 0, 53



0, 99, 99



0, 53, 109

Sweetspot

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



139, 0, 156



197, 143, 204



0, 16, 156



98, 65, 102



230, 230, 230



102, 102, 102

Same Dimension

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



139, 0, 156



182, 0, 204



156, 0, 96



78, 71, 79



127, 0, 143



14, 0, 15

Inverse Universe

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



156, 0, 17



204, 0, 22



0, 113, 156



79, 71, 72



143, 0, 16



15, 0, 2

Previews

White Background



This preview shows how the RYB color 139, 0, 156 looks on a white background.

Color Contrast Check

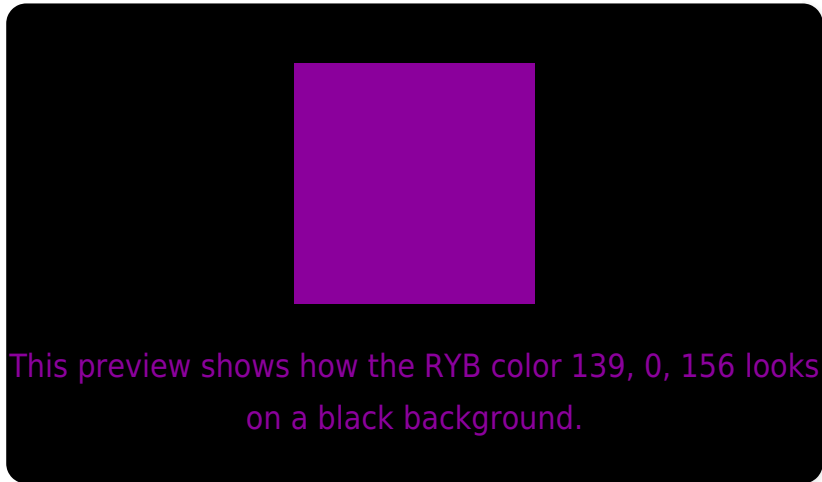
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 139, 0, 156 Background



This preview shows how black text looks on a background with the RYB color 139, 0, 156.



This preview shows how white text looks on a background with the RYB color 139, 0, 156.

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

139, 0, 156

Protanopia

0, 54, 168

Deuteranopia

20, 63, 147



Tritanopia
128, 61, 65

Trichromacy



Original Color

139, 0, 156



Protanomaly

51, 50, 164



Deuteranomaly

63, 53, 150



Tritanomaly

132, 39, 98

Monochromacy



Original Color

139, 0, 156



Achromatopsia

59, 59, 59



Achromatomaly

88, 38, 94

CSS Examples

Text

The CSS property to change the color of the text to RYB 139, 0, 156 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(139, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 156)  
}
```

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(139, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 156) }
```

Border

The CSS property to change the border of an element to RYB 139, 0, 156 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(139, 0, 156) }
```

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

```
.border{ border-color:rgb(139, 0, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 0, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(139, 0,  
156) }
```

Background

The CSS property to change the background color of an element to RGB 139, 0, 156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 156) }
```

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

```
.background{ background-color: rgb(139, 0,  
156) }
```

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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