

Converting Colors

`RYB(127, 0, 179)`

Have a look what the booklet for
RYB(127, 0, 179) contains.

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Color

R_YB(127, 0, 179)

Conversions

Conversions Part 1

Format	Color
Hex	7F00B3
RGB	127, 0, 179
RGB Percent	50%, 0%, 70%
CMY	0.5020, 1.0000, 0.2980
CMYK	0.29, 1.00, 0.00, 0.30
HSL	283°, 100%, 35%
HSV	283°, 100%, 70%
XYZ	16.8891, 7.7667, 43.2568
YIQ	58.3790, 18.2330, 82.5930

Conversions

Conversions Part 2

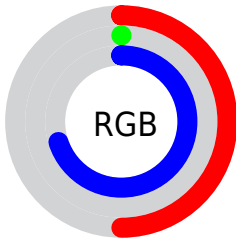
Format	Color
R_{YB}	127, 0, 179
Decimal	8323251
CIE _{Lab}	33.49, 67.77, -61.69
CIE _{LCh}	33, 91.647, 317.687
Yxy	7.7667, 0.2487, 0.1144
Android (android.graphics.Color)	4286513331 (0xFF7F00B3)
YUV	58.3790, 59.4662, 60.1806
Hunter-Lab	27.8688, 59.4044, -72.5193

Details

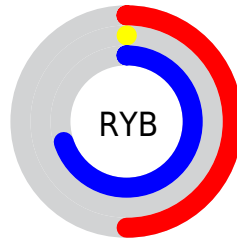
The RYB color **127, 0, 179** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **0, 179, 127**, and the grayscale version is **58, 58, 58**.

A 20% lighter version of the original color is **185, 76, 236**, and **70, 0, 125** is the 20% darker color. If you saturate the color by 10%, you get **127, 0, 179**, and if you desaturate by 10%, it is **132, 18, 179**.

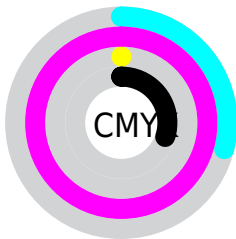
Distribution



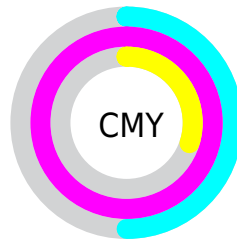
- Red (50%)
- Green (0%)
- Blue (70%)



- Red (50%)
- Yellow (0%)
- Blue (70%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (50%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 127, 0, 179 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 127, 0, 179 by changing the saturation by 10% instead.

 127, 0, 179

 127, 0, 179

255, 255, 255

 98, 0, 152

 185, 76, 236

 70, 0, 125

 214, 104, 255

 40, 0, 99

 244, 132, 255

 0, 0, 74

 255, 160, 255

 0, 4, 50

 255, 189, 255

 0, 2, 28

 255, 218, 255

 0, 0, 0

 255, 247, 255

 127, 0, 179

■ 132, 18, 179

■ 137, 36, 179

■ 143, 54, 179

■ 148, 72, 179

■ 153, 90, 179

■ 158, 107, 179

■ 163, 125, 179

■ 169, 143, 179

■ 174, 161, 179

Harmonies

Analogous

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



0, 57, 222



127, 0, 179



185, 0, 112

Triad

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



127, 0, 179



104, 121, 0



0, 56, 122

Complementary

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



127, 0, 179



0, 179, 127

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, 71, 102



127, 0, 179



0, 88, 33

Square

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



127, 0, 179



168, 0, 0



0, 98, 98



0, 67, 188

Rectangle

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



127, 0, 179



195, 0, 65



0, 98, 98



0, 54, 104

Sweetspot

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



127, 0, 179



212, 162, 232



0, 41, 179



105, 75, 117



245, 245, 245



117, 117, 117

Same Dimension

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



127, 0, 179



165, 0, 232



179, 0, 143



87, 80, 89



109, 0, 153



18, 0, 26

Inverse Universe

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



179, 0, 52



232, 0, 67



0, 149, 179



89, 80, 83



153, 0, 44



26, 0, 7

Previews

White Background



This preview shows how the RYB color 127, 0, 179 looks on a white background.

Color Contrast Check

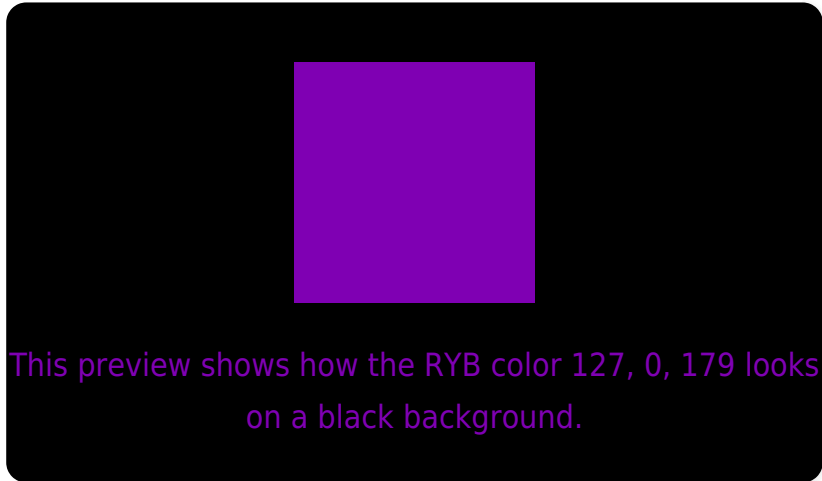
Large Text (above 18pt) WCAG AA ✓ Pass

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

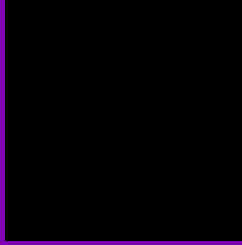
Any Text WCAG AA × Fail

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 127, 0, 179 Background



This preview shows how black text looks on a background with the RYB color 127, 0, 179.



This preview shows how white text looks on a background with the RYB color 127, 0, 179.

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

127, 0, 179

Protanopia

0, 53, 165

Deuteranopia

0, 53, 144



Tritanopia
110, 70, 75

Trichromacy



Original Color

127, 0, 179



Protanomaly

46, 50, 170



Deuteranomaly

46, 53, 157



Tritanomaly

116, 45, 113

Monochromacy



Original Color

127, 0, 179



Achromatopsia

58, 58, 58



Achromatomaly

83, 37, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 127, 0, 179 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(127, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 179)  
}
```

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(127, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 179) }
```

Border

The CSS property to change the border of an element to RYB 127, 0, 179 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(127, 0, 179) }
```

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

```
.border{ border-color:rgb(127, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(127, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(127, 0,  
179) }
```

Background

The CSS property to change the background color of an element to RGB 127, 0, 179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 179) }
```

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

```
.background{ background-color: rgb(127, 0,  
179) }
```

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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