

Converting Colors

`RYB(126, 0, 230)`

Have a look what the booklet for
RYB(126, 0, 230) contains.

RYB(126, 0, 230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

`RYB(126, 0, 230)`

Conversions

Conversions Part 1

Format	Color
Hex	7E00E6
RGB	126, 0, 230
RGB Percent	49%, 0%, 90%
CMY	0.5059, 1.0000, 0.0980
CMYK	0.45, 1.00, 0.00, 0.10
HSL	273°, 100%, 45%
HSV	273°, 100%, 90%
XYZ	22.8871, 10.1488, 75.6155
YIQ	63.8940, 1.2660, 98.2420

Conversions

Conversions Part 2

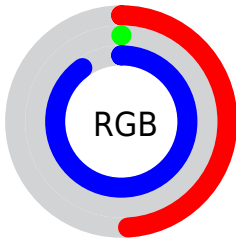
Format	Color
RYB	126, 0, 230
Decimal	8257766
CIELab	38.11, 77.84, -83.82
CIElCh	38, 114.392, 312.882
Yxy	10.1488, 0.2106, 0.0934
Android (android.graphics.Color)	4286447846 (0xFF7E00E6)
YUV	63.8940, 81.8903, 54.4670
Hunter-Lab	31.8572, 72.4895, -118.4295

Details

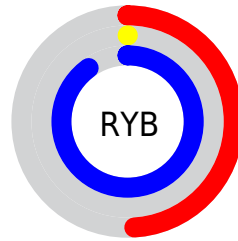
The RYB color **126, 0, 230** is a dark color, and the websafe version is hex **9933FF**. The color can be described as dark washed purple. A complement of this color would be **0, 230, 126**, and the grayscale version is **63, 63, 63**.

A 20% lighter version of the original color is **188, 80, 255**, and **59, 0, 173** is the 20% darker color. If you saturate the color by 10%, you get **126, 0, 230**, and if you desaturate by 10%, it is **136, 23, 230**.

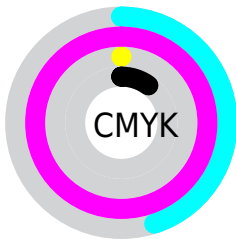
Distribution



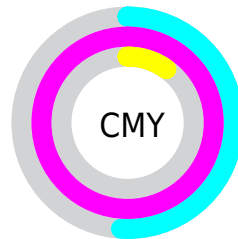
- Red (49%)
- Green (0%)
- Blue (90%)



- Red (49%)
- Yellow (0%)
- Blue (90%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (10%)





















- Cyan (51%)
- Magenta (100%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the RYB color 126, 0, 230 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 126, 0, 230 by changing the saturation by 10% instead.

 126, 0, 230	 126, 0, 230
 255, 255, 255	 94, 0, 201
 188, 80, 255	 59, 0, 173
 219, 109, 255	 1, 0, 145
 250, 138, 255	 0, 0, 119
 255, 166, 255	 0, 0, 93
 255, 195, 255	 0, 6, 68
 255, 225, 255	 0, 3, 45
	 0, 1, 23
	 0, 0, 0

■ 126, 0, 230

■ 136, 23, 230

■ 147, 46, 230

■ 157, 69, 230

■ 168, 92, 230

■ 178, 115, 230

■ 188, 138, 230

■ 199, 161, 230

■ 209, 184, 230

■ 220, 207, 230

Harmonies

Analogous

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



0, 69, 255



126, 0, 230



217, 0, 147

Triad

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



126, 0, 230



152, 108, 0



0, 62, 129

Complementary

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



126, 0, 230



0, 230, 126

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, 96, 117



126, 0, 230



0, 99, 27

Square

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



126, 0, 230



208, 0, 0



0, 112, 112



0, 78, 218

Rectangle

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



126, 0, 230



235, 0, 86



0, 112, 112



0, 66, 119

Sweetspot

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



126, 0, 230



220, 179, 255



0, 73, 230



107, 82, 128



0, 0, 0



128, 128, 128

Same Dimension

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



126, 0, 230



140, 0, 255



230, 0, 222



110, 103, 115



98, 0, 179



28, 0, 51

Inverse Universe

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



230, 0, 104



255, 0, 115



0, 222, 230



115, 103, 108



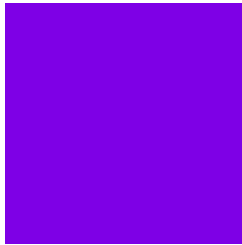
179, 0, 81



51, 0, 23

Previews

White Background



This preview shows how the RYB color 126, 0, 230 looks on a white background.

Color Contrast Check

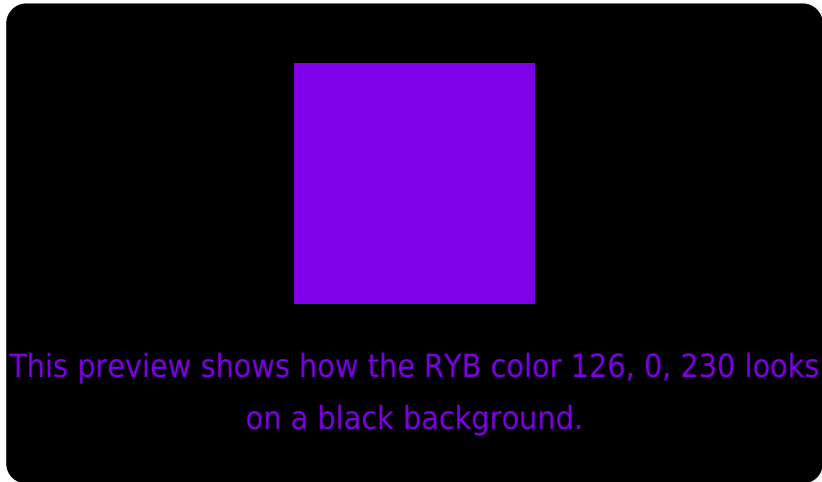
Large Text (above 18pt) WCAG AA ✓ Pass

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

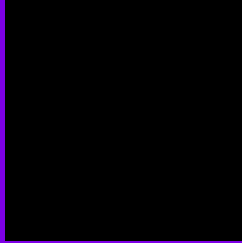
Any Text WCAG AA × Fail

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 126, 0, 230 Background



This preview shows how black text looks on a background with the RYB color 126, 0, 230.

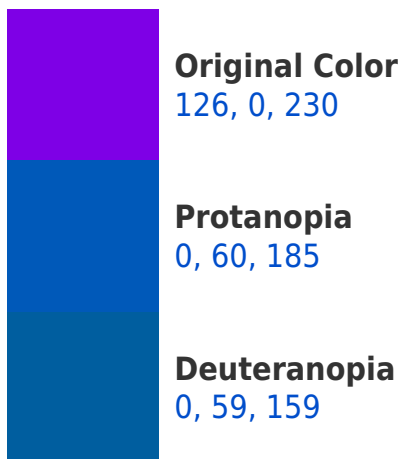



This preview shows how white text looks on a background with the RYB color 126, 0, 230.

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

94, 90, 97

Trichromacy



Original Color

126, 0, 230



Protanomaly

46, 55, 201



Deuteranomaly

46, 59, 185



Tritanomaly

106, 57, 145

Monochromacy



Original Color

126, 0, 230



Achromatopsia

64, 64, 64



Achromatomaly

87, 41, 124

CSS Examples

Text

The CSS property to change the color of the text to RYB 126, 0, 230 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(126, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(126, 0, 230)  
}
```

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(126, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 0, 230) }
```

Border

The CSS property to change the border of an element to RYB 126, 0, 230 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(126, 0, 230) }
```

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

```
.border{ border-color:rgb(126, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(126, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(126, 0,  
230) }
```

Background

The CSS property to change the background color of an element to RYB 126, 0, 230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 0, 230) }
```

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

```
.background{ background-color: rgb(126, 0,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor