

Converting Colors

`RYB(138, 80, 226)`

Have a look what the booklet for
RYB(138, 80, 226) contains.

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Color

R_YB(138, 80, 226)

Conversions

Conversions Part 1

Format	Color
Hex	8A50E2
RGB	138, 80, 226
RGB Percent	54%, 31%, 89%
CMY	0.4588, 0.6863, 0.1137
CMYK	0.39, 0.65, 0.00, 0.11
HSL	264°, 72%, 60%
HSV	264°, 65%, 89%
XYZ	27.0774, 16.6316, 73.7346
YIQ	113.9860, -12.2980, 57.7020

Conversions

Conversions Part 2

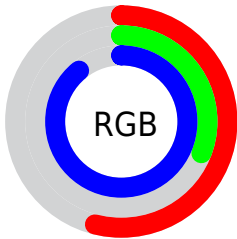
Format	Color
R _Y B	138, 80, 226
Decimal	9064674
CIE Lab	47.79, 54.03, -65.64
CIE LCh	48, 85.020, 309.457
Yxy	16.6316, 0.2306, 0.1416
Android (android.graphics.Color)	4287254754 (0xFF8A50E2)
YUV	113.9860, 55.2229, 21.0603
Hunter-Lab	40.7818, 47.1480, -78.6505

Details

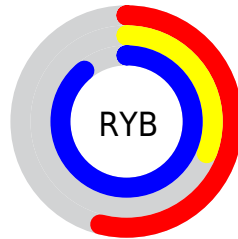
The RYB color **138, 80, 226** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **80, 226, 138**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **196, 132, 255**, and **79, 28, 170** is the 20% darker color. If you saturate the color by 10%, you get **124, 57, 226**, and if you desaturate by 10%, it is **152, 103, 226**.

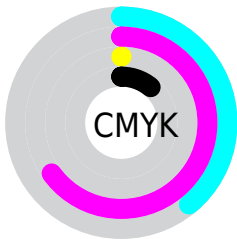
Distribution



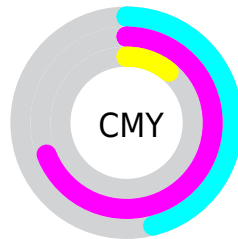
- Red (54%)
- Green (31%)
- Blue (89%)



- Red (54%)
- Yellow (31%)
- Blue (89%)



- Cyan (39%)
- Magenta (65%)
- Yellow (0%)
- Black (11%)




















- Cyan (46%)
- Magenta (69%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the RYB color 138, 80, 226 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 138, 80, 226 by changing the saturation by 10% instead.


 138, 80, 226	 138, 80, 226
 255, 255, 255	 109, 54, 197
 196, 132, 255	 79, 28, 170
 226, 159, 255	 48, 0, 142
 255, 187, 255	 0, 0, 116
 255, 215, 255	 0, 0, 91
 255, 244, 255	 0, 6, 66
	 0, 3, 43
	 0, 1, 21
	 0, 0, 0

 138, 80, 226


 138, 80, 226


 124, 57, 226


 152, 103, 226

 111, 35, 226


 165, 125, 226

 97, 12, 226

 179, 148, 226

 90, 0, 226

 192, 170, 226

 206, 193, 226

 220, 216, 226

 226, 238, 231

 226, 255, 234

 226, 255, 226

Harmonies

Analogous

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



0, 80, 255



138, 80, 226



212, 0, 165

Triad

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



138, 80, 226



167, 177, 0



0, 73, 142

Complementary

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



138, 80, 226



80, 226, 138

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, 98, 139



138, 80, 226



0, 118, 0

Square

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



138, 80, 226



219, 43, 22



0, 133, 120



0, 84, 204

Rectangle

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



138, 80, 226



231, 0, 118



0, 133, 120



0, 80, 142

Sweetspot

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



138, 80, 226



226, 207, 255



80, 136, 226



110, 98, 128



0, 0, 0



128, 128, 128

Same Dimension

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



138, 80, 226



135, 56, 255



209, 80, 226



105, 101, 112



70, 0, 176



19, 0, 48

Inverse Universe

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



226, 80, 168



255, 56, 176



80, 226, 209



112, 101, 108



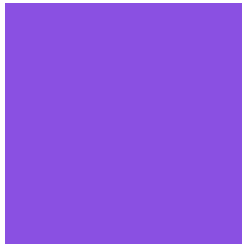
176, 0, 106



48, 0, 29

Previews

White Background



This preview shows how the RYB color 138, 80, 226 looks on a white background.

Color Contrast Check

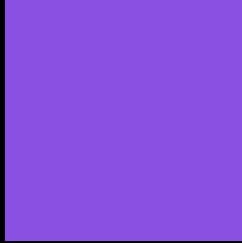
Large Text (above 18pt) WCAG AA ✓ Pass

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 138, 80, 226 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 138, 80, 226 Background



This preview shows how black text looks on a background with the RYB color 138, 80, 226.

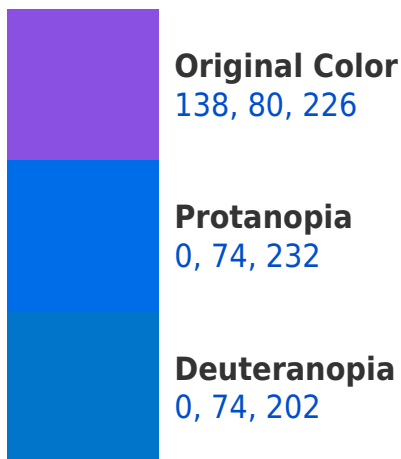


This preview shows how white text looks on a background with the RYB color 138, 80, 226.

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
115, 112, 121

Trichromacy



Original Color

138, 80, 226



Protanomaly

50, 88, 230



Deuteranomaly

50, 90, 211



Tritanomaly

123, 100, 159

Monochromacy



Original Color

138, 80, 226



Achromatopsia

114, 114, 114



Achromatomaly

123, 102, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 138, 80, 226 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(138, 80, 226)` looks like.

```
.text, #text, p{  
    color:rgb(138, 80, 226)  
}
```

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(138, 80, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 80, 226) }
```

Border

The CSS property to change the border of an element to RYB 138, 80, 226 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(138, 80, 226) }
```

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

```
.border{ border-color:rgb(138, 80, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 80, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 80, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 80, 226);  
box-shadow:4px 4px 4px 4px rgb(138, 80,  
226) }
```

Background

The CSS property to change the background color of an element to RGB 138, 80, 226 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 80, 226) }
```

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

```
.background{ background-color: rgb(138, 80,  
226) }
```

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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