

Converting Colors

`RYB(136, 78, 244)`

Have a look what the booklet for RYB(136, 78, 244) contains.

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Color

RYB(136, 78, 244)

Conversions

Conversions Part 1

Format	Color
Hex	884EF4
RGB	136, 78, 244
RGB Percent	53%, 31%, 96%
CMY	0.4667, 0.6941, 0.0431
CMYK	0.44, 0.68, 0.00, 0.04
HSL	261°, 88%, 63%
HSV	261°, 68%, 96%
XYZ	29.2069, 17.2147, 87.3713
YIQ	114.2660, -18.7180, 63.9220

Conversions

Conversions Part 2

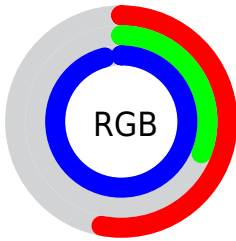
Format	Color
RYB	136, 78, 244
Decimal	8933108
CIELab	48.53, 59.26, -74.59
CIElCh	49, 95.269, 308.466
Yxy	17.2147, 0.2183, 0.1287
Android (android.graphics.Color)	4287123188 (0xFF884EF4)
YUV	114.2660, 63.9589, 19.0607
Hunter-Lab	41.4906, 53.0448, -95.8102

Details

The RYB color **136, 78, 244** is a light color, and the websafe version is hex **9966FF**. The color can be described as light washed purple. A complement of this color would be **78, 244, 136**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **196, 131, 255**, and **74, 24, 187** is the 20% darker color. If you saturate the color by 10%, you get **120, 54, 244**, and if you desaturate by 10%, it is **152, 102, 244**.

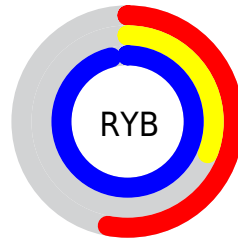
Distribution



Red (53%)

Green (31%)

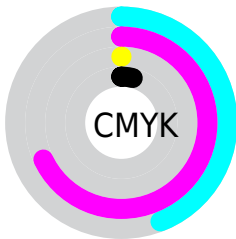
Blue (96%)



Red (53%)

Yellow (31%)

Blue (96%)

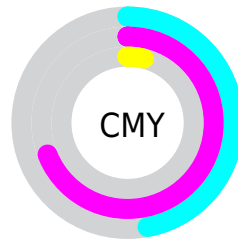


Cyan (44%)

Magenta (68%)

Yellow (0%)

Black (4%)



Cyan (47%)

Magenta (69%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 136, 78, 244 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 136, 78, 244 by changing the saturation by 10% instead.



136, 78, 244



136, 78, 244

255, 255, 255



106, 52, 215



196, 131, 255



74, 24, 187



226, 158, 255



36, 0, 159



255, 186, 255



0, 0, 132



255, 214, 255



0, 0, 106



255, 243, 255



0, 3, 80



0, 5, 56



0, 2, 34



0, 0, 8

■ 136, 78, 244

■ 136, 78, 244

■ 120, 54, 244

■ 152, 102, 244

■ 104, 29, 244

■ 168, 127, 244

■ 88, 5, 244

■ 184, 151, 244

■ 85, 0, 244

■ 199, 176, 244

■ 215, 200, 244

■ 231, 224, 244

■ 244, 249, 246

■ 244, 255, 244

Harmonies

Analogous

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



0, 82, 255



136, 78, 244



223, 0, 176

Triad

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



136, 78, 244



186, 167, 0



0, 75, 146

Complementary

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



136, 78, 244



78, 244, 136

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, 106, 143



136, 78, 244



0, 120, 0

Square

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



136, 78, 244



232, 1, 12



0, 136, 136



0, 87, 215

Rectangle

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



136, 78, 244



246, 0, 123



0, 136, 136



0, 83, 145

Sweetspot

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



136, 78, 244



222, 204, 255



78, 145, 244



108, 97, 128



0, 0, 0



128, 128, 128

Same Dimension

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



136, 78, 244



119, 46, 255



216, 78, 244



114, 110, 122



65, 0, 186



20, 0, 59

Inverse Universe

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



244, 78, 186



255, 46, 182



78, 244, 216



122, 110, 118



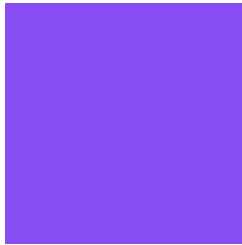
186, 0, 121



59, 0, 38

Previews

White Background



This preview shows how the RYB color 136, 78, 244 looks on a white background.

Color Contrast Check

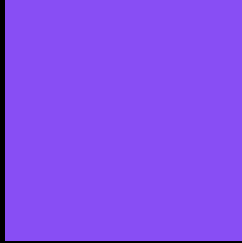
Large Text (above 18pt) WCAG AA ✓ Pass

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 136, 78, 244 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 136, 78, 244 Background



This preview shows how black text looks on a background with the RYB color 136, 78, 244.

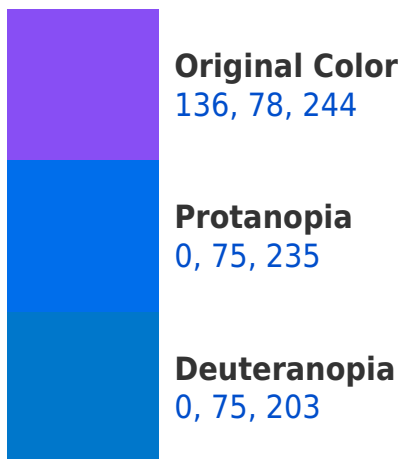


This preview shows how white text looks on a background with the RYB color 136, 78, 244.

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
107, 113, 125

Trichromacy



Original Color

136, 78, 244



Protanomaly

49, 89, 238



Deuteranomaly

49, 90, 218



Tritanomaly

118, 102, 168

Monochromacy



Original Color

136, 78, 244



Achromatopsia

114, 114, 114



Achromatomaly

122, 101, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 136, 78, 244 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(136, 78, 244)` looks like.

```
.text, #text, p{  
    color:rgb(136, 78, 244)  
}
```

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(136, 78, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 78, 244) }
```

Border

The CSS property to change the border of an element to RYB 136, 78, 244 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(136, 78, 244) }
```

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

```
.border{ border-color:rgb(136, 78, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 78, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 78, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 78, 244);  
box-shadow:4px 4px 4px 4px rgb(136, 78,  
244) }
```

Background

The CSS property to change the background color of an element to RYB 136, 78, 244 is called "background".

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

```
.background, #background, body{  
background: rgb(136, 78, 244) }
```

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

```
.background{ background-color: rgb(136, 78,  
244) }
```

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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