

Converting Colors

`RYB(151, 128, 236)`

Have a look what the booklet for
RYB(151, 128, 236) contains.

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Color

`RYB(151, 128, 236)`

Conversions

Conversions Part 1

Format	Color
Hex	9780EC
RGB	151, 128, 236
RGB Percent	59%, 50%, 93%
CMY	0.4078, 0.4980, 0.0745
CMYK	0.36, 0.46, 0.00, 0.07
HSL	253°, 74%, 71%
HSV	253°, 46%, 93%
XYZ	35.6220, 28.0738, 82.8982
YIQ	147.1890, -20.9600, 38.4640

Conversions

Conversions Part 2

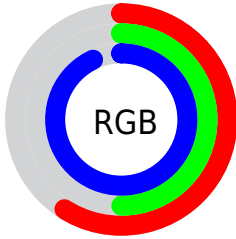
Format	Color
R_{YB}	151, 128, 236
Decimal	9928940
CIE _{Lab}	59.96, 33.10, -51.67
CIE _{LCh}	60, 61.360, 302.645
Yxy	28.0738, 0.2430, 0.1915
Android (android.graphics.Color)	4288119020 (0xFF9780EC)
YUV	147.1890, 43.7838, 3.3422
Hunter-Lab	52.9847, 27.2836, -55.6740

Details

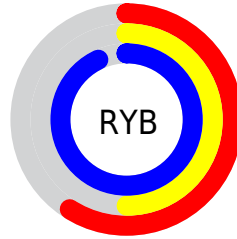
The RYB color **151, 128, 236** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **128, 236, 151**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **208, 181, 255**, and **95, 78, 179** is the 20% darker color. If you saturate the color by 10%, you get **132, 104, 236**, and if you desaturate by 10%, it is **170, 152, 236**.

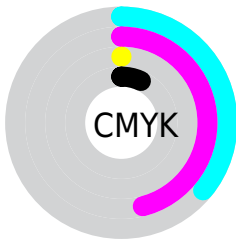
Distribution



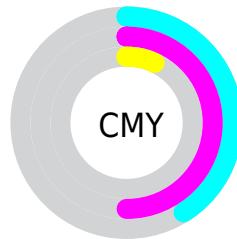
- Red (59%)
- Green (50%)
- Blue (93%)



- Red (59%)
- Yellow (50%)
- Blue (93%)



- Cyan (36%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)




- Cyan (41%)
- Magenta (50%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the RYB color 151, 128, 236 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 151, 128, 236 by changing the saturation by 10% instead.


 151, 128, 236


255, 255, 255

 208, 181, 255

 237, 209, 255

 255, 237, 255


 151, 128, 236

 123, 103, 207

 95, 78, 179

 67, 55, 152

 37, 33, 126


 0, 11, 100


 0, 0, 76


 0, 4, 52


 0, 2, 30

 0, 0, 0

 151, 128, 236

 151, 128, 236

 132, 104, 236

 170, 152, 236

 114, 81, 236

 188, 175, 236

 95, 57, 236

 207, 199, 236

 77, 34, 236

 225, 222, 236

 58, 10, 236

 236, 246, 238

 50, 0, 236

 236, 255, 236

Harmonies

Analogous

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



0, 94, 253



151, 128, 236



213, 104, 195

Triad

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



151, 128, 236



210, 193, 45



0, 91, 170

Complementary

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



151, 128, 236



128, 236, 151

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, 107, 166



151, 128, 236



47, 167, 18

Square

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



151, 128, 236



237, 102, 89



44, 158, 90



0, 92, 201

Rectangle

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



151, 128, 236



235, 93, 160



44, 158, 90



0, 96, 169

Sweetspot

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



151, 128, 236



227, 219, 255



128, 176, 236



110, 106, 128



0, 0, 0



128, 128, 128

Same Dimension

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



151, 128, 236



145, 115, 255



204, 128, 236



108, 106, 117



39, 0, 181



11, 0, 54

Inverse Universe

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



236, 128, 213



255, 115, 225



128, 236, 204



117, 106, 115



181, 0, 142



54, 0, 42

Previews

White Background



This preview shows how the RYB color 151, 128, 236 looks on a white background.

Color Contrast Check

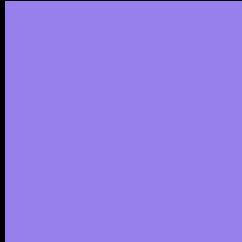
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 151, 128, 236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

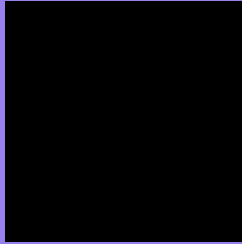
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RGB 151, 128, 236 Background



This preview shows how black text looks on a background with the RGB color 151, 128, 236.

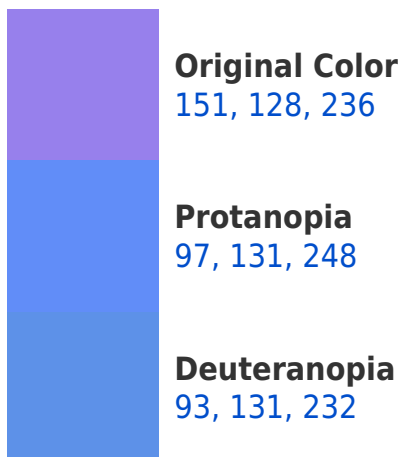


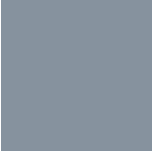
This preview shows how white text looks on a background with the RGB color 151, 128, 236.

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

134, 142, 158

Trichromacy



Original Color
151, 128, 236

Protanomaly
117, 134, 244

Deuteranomaly
114, 135, 233

Tritanomaly
140, 139, 186

Monochromacy



Original Color
151, 128, 236

Achromatopsia
147, 147, 147

Achromatomaly
148, 140, 179

CSS Examples

Text

The CSS property to change the color of the text to RYB 151, 128, 236 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(151, 128, 236)` looks like.

```
.text, #text, p{  
    color:rgb(151, 128, 236)  
}
```

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(151, 128, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 128, 236) }
```

Border

The CSS property to change the border of an element to RYB 151, 128, 236 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(151, 128, 236) }
```

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

```
.border{ border-color:rgb(151, 128, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 128, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 128, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 128, 236); box-shadow:4px 4px 4px 4px rgb(151, 128, 236) }
```

Background

The CSS property to change the background color of an element to RYB 151, 128, 236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 128, 236) }
```

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

```
.background{ background-color: rgb(151,  
128, 236) }
```

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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