

# Converting Colors

`RYB(155, 127, 237)`

Have a look what the booklet for  
RYB(155, 127, 237) contains.

<b>RYB(155, 127, 237)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**R<sub>Y</sub>B(155, 127, 237)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B7FED
RGB	155, 127, 237
RGB Percent	61%, 50%, 93%
CMY	0.3922, 0.5020, 0.0706
CMYK	0.35, 0.46, 0.00, 0.07
HSL	255°, 75%, 71%
HSV	255°, 46%, 93%
XYZ	36.3930, 28.2617, 83.6577
YIQ	147.9120, -18.6220, 40.1460

# Conversions

## Conversions Part 2

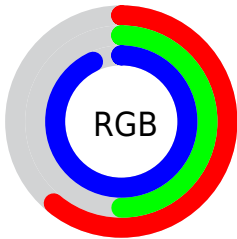
Format	Color
R <sub>Y</sub> B	155, 127, 237
Decimal	10190829
CIE Lab	60.12, 34.95, -51.93
CIE LCh	60, 62.598, 303.943
Yxy	28.2617, 0.2454, 0.1906
Android (android.graphics.Color)	4288380909 (0xFF9B7FED)
YUV	147.9120, 43.9204, 6.2162
Hunter-Lab	53.1618, 29.1628, -56.0881

# Details

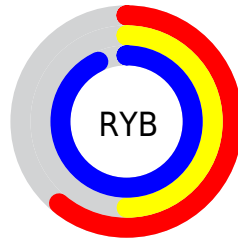
The RYB color **155, 127, 237** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **127, 237, 155**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **212, 180, 255**, and **99, 77, 180** is the 20% darker color. If you saturate the color by 10%, you get **137, 103, 237**, and if you desaturate by 10%, it is **173, 151, 237**.

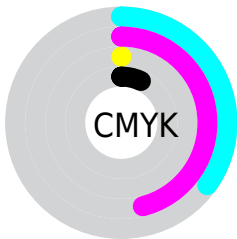
# Distribution



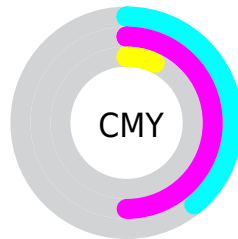
- Red (61%)
- Green (50%)
- Blue (93%)



- Red (61%)
- Yellow (50%)
- Blue (93%)



- Cyan (35%)
- Magenta (46%)
- Yellow (0%)
- Black (7%)




- Cyan (39%)
- Magenta (50%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 155, 127, 237 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 155, 127, 237 by changing the saturation by 10% instead.



 155, 127, 237


255, 255, 255

 212, 180, 255

 242, 208, 255

 255, 236, 255


 155, 127, 237

 127, 102, 208

 99, 77, 180

 72, 54, 153

 42, 31, 127

 0, 9, 101

 0, 0, 77


 0, 5, 53


 0, 2, 30


 0, 0, 1


 155, 127, 237

 155, 127, 237


 137, 103, 237

 173, 151, 237

 120, 80, 237

 190, 174, 237

 102, 56, 237


 208, 198, 237

 84, 32, 237

 226, 222, 237

 67, 9, 237

 237, 246, 240

 60, 0, 237

 237, 255, 237

# Harmonies

## Analogous

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



0, 94, 255



155, 127, 237



217, 103, 194

# Triad

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



155, 127, 237



210, 204, 41



0, 91, 171

# Complementary

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



155, 127, 237



127, 237, 155

# 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, 167



155, 127, 237



36, 166, 12

# Square

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



155, 127, 237



238, 103, 86



44, 159, 94



0, 93, 205

# Rectangle

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



155, 127, 237



238, 92, 159



44, 159, 94



0, 96, 170



# Sweetspot

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



155, 127, 237



228, 219, 255



127, 174, 237



111, 106, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



155, 127, 237



149, 112, 255



209, 127, 237



109, 106, 117



46, 0, 181



14, 0, 54



# Inverse Universe

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



237, 127, 209



255, 112, 219



127, 237, 209



117, 106, 114



181, 0, 135

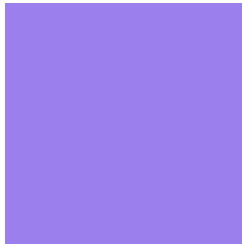


54, 0, 40



# Previews

## White Background



This preview shows how the RYB color 155, 127, 237 looks on a white background.

## Color Contrast Check

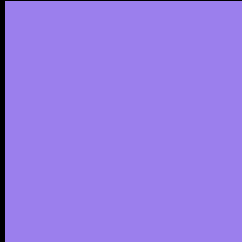
Large Text (above 18pt) WCAG AA ✓ Pass

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 155, 127, 237 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

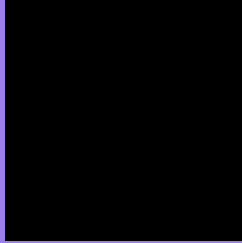
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 155, 127, 237 Background



This preview shows how black text looks on a background with the RYB color 155, 127, 237.



This preview shows how white text looks on a background with the RYB color 155, 127, 237.

# 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](#).

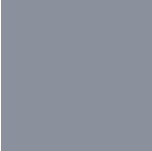
## Dichromacy



**Original Color**  
155, 127, 237

**Protanopia**  
96, 131, 250

**Deuteranopia**  
93, 131, 233



# Tritanopia

138, 143, 157

# Trichromacy



**Original Color**  
155, 127, 237

**Protanomaly**  
117, 134, 245

**Deuteranomaly**  
116, 135, 234

**Tritanomaly**  
144, 138, 186

# Monochromacy



**Original Color**  
155, 127, 237

**Achromatopsia**  
148, 148, 148

**Achromatomaly**  
151, 140, 180

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 155, 127, 237 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(155, 127, 237)` looks like.

```
.text, #text, p{  
  color:rgb(155, 127, 237)  
}
```

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(155, 127, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 127, 237) }
```

## Border

The CSS property to change the border of an element to RYB 155, 127, 237 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(155, 127, 237) }
```

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

```
.border{ border-color:rgb(155, 127, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 127, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 127, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 127, 237); box-shadow:4px 4px 4px 4px rgb(155, 127, 237) }
```

# Background

The CSS property to change the background color of an element to RYB 155, 127, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 127, 237) }
```

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

```
.background{ background-color: rgb(155,  
127, 237) }
```

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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