

# Converting Colors

`RYB(147, 81, 158)`

Have a look what the booklet for  
RYB(147, 81, 158) contains.

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# Color

**R<sub>Y</sub>B(147, 81, 158)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	93519E
RGB	147, 81, 158
RGB Percent	58%, 32%, 62%
CMY	0.4235, 0.6824, 0.3804
CMYK	0.07, 0.49, 0.00, 0.38
HSL	291°, 32%, 47%
HSV	291°, 49%, 62%
XYZ	21.1466, 14.5565, 34.0429
YIQ	109.5120, 14.6190, 37.9390

# Conversions

## Conversions Part 2

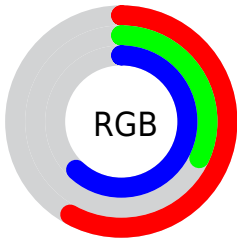
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 81, 158
Decimal	9654686
CIE <sub>Lab</sub>	45.02, 39.95, -30.54
CIE <sub>LCh</sub>	45, 50.286, 322.610
Yxy	14.5565, 0.3032, 0.2087
Android (android.graphics.Color)	4287844766 (0xFF93519E)
YUV	109.5120, 23.9046, 32.8770
Hunter-Lab	38.1530, 32.1672, -26.1957

# Details

The RYB color **147, 81, 158** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **81, 158, 147**, and the grayscale version is **109, 109, 109**.

A 20% lighter version of the original color is **203, 133, 213**, and **94, 31, 106** is the 20% darker color. If you saturate the color by 10%, you get **145, 65, 158**, and if you desaturate by 10%, it is **149, 97, 158**.

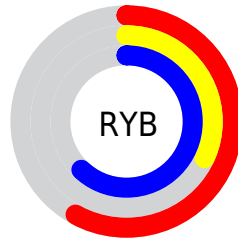
# Distribution



Red (58%)

Green (32%)

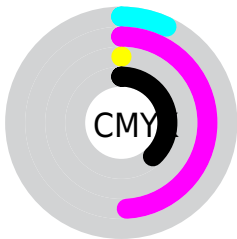
Blue (62%)



Red (58%)

Yellow (32%)

Blue (62%)

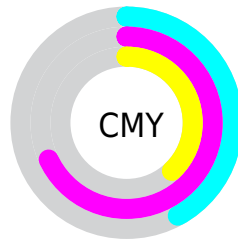


Cyan (7%)

Magenta (49%)

Yellow (0%)

Black (38%)



Cyan (42%)

Magenta (68%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 147, 81, 158 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 147, 81, 158 by changing the saturation by 10% instead.





147, 81, 158



147, 81, 158

255, 255, 255



120, 56, 132



203, 133, 213



94, 31, 106



231, 159, 241



69, 2, 82



255, 187, 255



45, 0, 58



255, 215, 255



19, 0, 36



255, 244, 255



0, 0, 11



0, 0, 0



147, 81, 158



147, 81, 158



145, 65, 158




149, 97, 158


 142, 49, 158

 152, 113, 158

 140, 34, 158

 154, 128, 158


 138, 18, 158


 156, 144, 158

 136, 2, 158

 158, 160, 160

 135, 0, 158

 158, 176, 173

 158, 192, 187

 158, 207, 200

 158, 223, 214

# Harmonies

## Analogous

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



87, 98, 184



147, 81, 158



176, 66, 119

# Triad

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



147, 81, 158



58, 136, 10



0, 66, 138

# Complementary

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



147, 81, 158



81, 158, 147

# 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, 72, 126



147, 81, 158



17, 114, 34

# Square

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



147, 81, 158



166, 108, 40



40, 112, 122



0, 72, 173

# Rectangle

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



147, 81, 158



182, 66, 91



40, 112, 122



0, 64, 126



# Sweetspot

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



147, 81, 158



202, 176, 207



81, 91, 158



102, 86, 105



232, 232, 232



105, 105, 105



# Same Dimension

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



147, 81, 158



189, 87, 207



158, 81, 131



78, 71, 79



122, 0, 143



13, 0, 15



# Inverse Universe

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



158, 81, 92



207, 87, 104



81, 138, 158



79, 71, 72



143, 0, 20

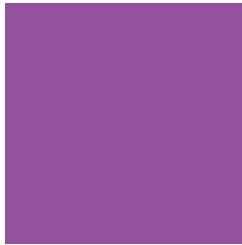


15, 0, 2



# Previews

## White Background



This preview shows how the RYB color 147, 81, 158 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 147, 81, 158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

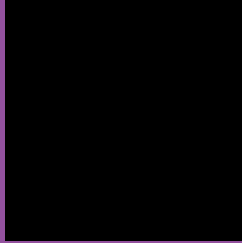
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYB 147, 81, 158 Background



This preview shows how black text looks on a background with the RYB color 147, 81, 158.

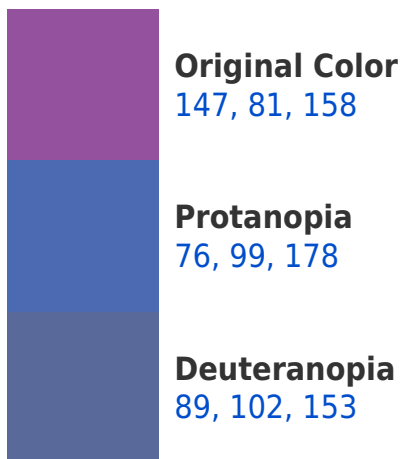


This preview shows how white text looks on a background with the RYB color 147, 81, 158.

# 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**  
139, 94, 102

# Trichromacy



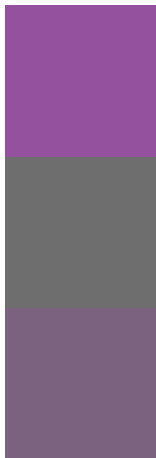
**Original Color**  
147, 81, 158

**Protanomaly**  
102, 96, 171

**Deuteranomaly**  
110, 97, 155

**Tritanomaly**  
142, 89, 122

# Monochromacy



**Original Color**  
147, 81, 158

**Achromatopsia**  
110, 110, 110

**Achromatomaly**  
123, 99, 127

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 147, 81, 158 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(147, 81, 158)` looks like.

```
.text, #text, p{  
    color:rgb(147, 81, 158)  
}
```

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(147, 81, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 81, 158) }
```

## Border

The CSS property to change the border of an element to RYB 147, 81, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

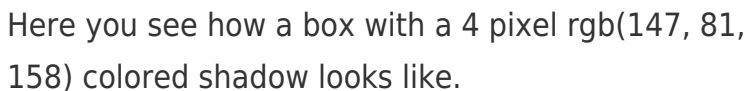
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 81, 158) }
```

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

```
.border{ border-color:rgb(147, 81, 158) }
```

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



Here you see how a box with a 4 pixel rgb(147, 81, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 81, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 81, 158); box-shadow:4px 4px 4px 4px rgb(147, 81, 158) }
```

# Background

The CSS property to change the background color of an element to RYB 147, 81, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 81, 158) }
```

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

```
.background{ background-color: rgb(147, 81,  
158) }
```

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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