

# Converting Colors

`RYB(151, 82, 173)`

Have a look what the booklet for  
RYB(151, 82, 173) contains.

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# Color

**R<sub>Y</sub>B(151, 82, 173)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9752AD
RGB	151, 82, 173
RGB Percent	59%, 32%, 68%
CMY	0.4078, 0.6784, 0.3216
CMYK	0.13, 0.53, 0.00, 0.32
HSL	285°, 36%, 50%
HSV	285°, 53%, 68%
XYZ	23.3226, 15.6310, 41.3230
YIQ	113.0050, 11.9130, 42.9290

# Conversions

## Conversions Part 2

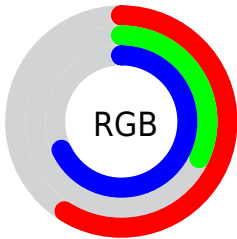
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	151, 82, 173
Decimal	9917101
CIE <sub>Lab</sub>	46.49, 43.69, -37.07
CIE <sub>LCh</sub>	46, 57.294, 319.688
Yxy	15.6310, 0.2905, 0.1947
Android (android.graphics.Color)	4288107181 (0xFF9752AD)
YUV	113.0050, 29.5775, 33.3216
Hunter-Lab	39.5361, 36.1102, -34.2945

# Details

The RYB color **151, 82, 173** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **82, 173, 151**, and the grayscale version is **113, 113, 113**.

A 20% lighter version of the original color is **207, 134, 229**, and **98, 31, 120** is the 20% darker color. If you saturate the color by 10%, you get **147, 65, 173**, and if you desaturate by 10%, it is **155, 99, 173**.

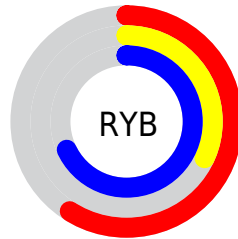
# Distribution



Red (59%)

Green (32%)

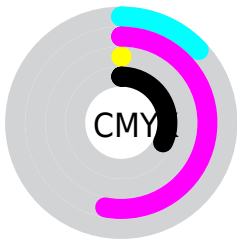
Blue (68%)



Red (59%)

Yellow (32%)

Blue (68%)

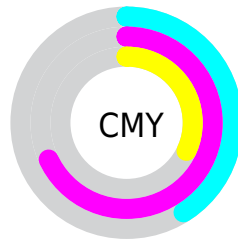


Cyan (13%)

Magenta (53%)

Yellow (0%)

Black (32%)



Cyan (41%)

Magenta (68%)


Yellow (32%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 151, 82, 173 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, 82, 173 by changing the saturation by 10% instead.



 151, 82, 173

255, 255, 255


 207, 134, 229

 236, 161, 255

 255, 189, 255

 255, 217, 255

 255, 246, 255

 151, 82, 173

 124, 57, 146


 98, 31, 120


 72, 0, 95

 47, 0, 71


 24, 0, 48

 0, 1, 26

 0, 0, 0

 151, 82, 173


 147, 65, 173

 151, 82, 173

 155, 99, 173

 143, 47, 173


 159, 117, 173

 138, 30, 173


 164, 134, 173

 134, 13, 173

 168, 151, 173

 131, 0, 173

 172, 169, 173

 173, 186, 183

 173, 203, 196

 173, 220, 209

 173, 238, 222

# Harmonies

## Analogous

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



72, 98, 201



151, 82, 173



187, 62, 129

# Triad

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



151, 82, 173



63, 146, 0



0, 68, 141

# Complementary

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



151, 82, 173



82, 173, 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, 77, 131



151, 82, 173



0, 117, 14

# Square

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



151, 82, 173



179, 101, 37



37, 121, 127



0, 76, 183

# Rectangle

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



151, 82, 173



195, 59, 97



37, 121, 127



0, 68, 132



# Sweetspot

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



151, 82, 173



216, 188, 224



82, 100, 173



107, 91, 112



240, 240, 240



112, 112, 112



# Same Dimension

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



151, 82, 173



190, 83, 224



173, 82, 150



85, 78, 87



114, 0, 150



17, 0, 23



# Inverse Universe

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



173, 82, 104



224, 83, 117



82, 155, 173



87, 78, 80



150, 0, 36

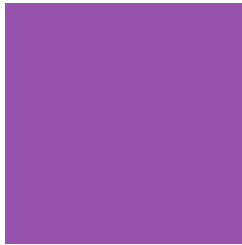


23, 0, 6



# Previews

## White Background



This preview shows how the RYB color 151, 82, 173 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 151, 82, 173 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

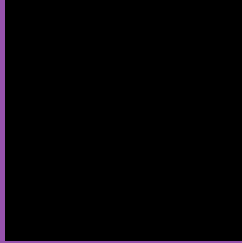
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RGB 151, 82, 173 Background



This preview shows how black text looks on a background with the RGB color 151, 82, 173.

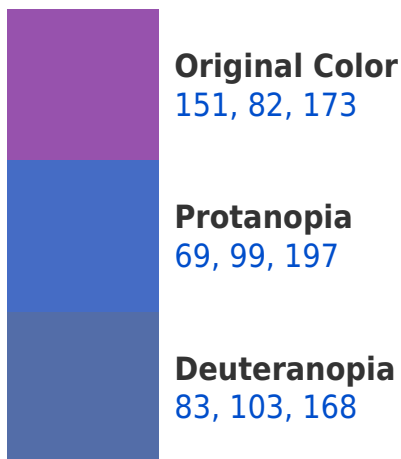


This preview shows how white text looks on a background with the RGB color 151, 82, 173.

# 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





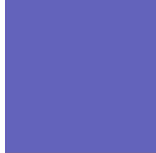
**Tritanopia**  
141, 99, 106

# Trichromacy



**Original Color**

151, 82, 173



**Protanomaly**

99, 99, 188



**Deuteranomaly**

108, 100, 170



**Tritanomaly**

145, 93, 130

# Monochromacy



**Original Color**

151, 82, 173



**Achromatopsia**

113, 113, 113



**Achromatomaly**

127, 102, 135

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 151, 82, 173 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, 82, 173)` looks like.

```
.text, #text, p{  
    color:rgb(151, 82, 173)  
}
```

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, 82, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 82, 173) }
```

## Border

The CSS property to change the border of an element to RYB 151, 82, 173 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, 82, 173) }
```

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

```
.border{ border-color:rgb(151, 82, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 82, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 82, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 82, 173);  
box-shadow:4px 4px 4px 4px rgb(151, 82,  
173) }
```

# Background

The CSS property to change the background color of an element to RGB 151, 82, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 82, 173) }
```

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

```
.background{ background-color: rgb(151, 82,  
173) }
```

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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