

# Converting Colors

`RYB(138, 105, 151)`

Have a look what the booklet for  
RYB(138, 105, 151) contains.

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# Color

**R<sub>Y</sub>B(138, 105, 151)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A6997
RGB	138, 105, 151
RGB Percent	54%, 41%, 59%
CMY	0.4588, 0.5882, 0.4078
CMYK	0.09, 0.30, 0.00, 0.41
HSL	283°, 18%, 50%
HSV	283°, 30%, 59%
XYZ	21.1187, 17.7408, 31.5894
YIQ	120.1110, 4.9020, 21.3020

# Conversions

## Conversions Part 2

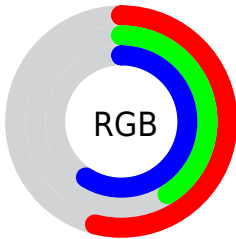
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	138, 105, 151
Decimal	9070999
CIE <sub>Lab</sub>	49.18, 21.89, -20.02
CIE <sub>LCh</sub>	49, 29.666, 317.554
Yxy	17.7408, 0.2998, 0.2518
Android (android.graphics.Color)	4287261079 (0xFF8A6997)
YUV	120.1110, 15.2283, 15.6887
Hunter-Lab	42.1198, 15.7896, -14.9830

# Details

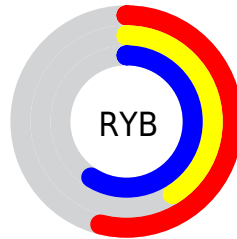
The RYB color **138, 105, 151** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **105, 151, 138**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **192, 157, 205**, and **87, 57, 100** is the 20% darker color. If you saturate the color by 10%, you get **134, 90, 151**, and if you desaturate by 10%, it is **142, 120, 151**.

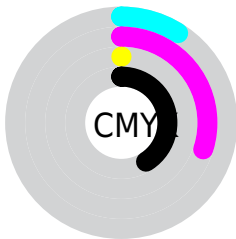
# Distribution



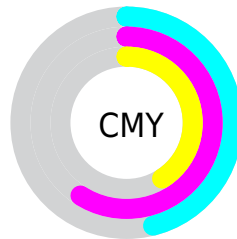
- Red (54%)
- Green (41%)
- Blue (59%)



- Red (54%)
- Yellow (41%)
- Blue (59%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (41%)



- Cyan (46%)
- Magenta (59%)
- Yellow (41%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 138, 105, 151 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 138, 105, 151 by changing the saturation by 10% instead.



 138, 105, 151

255, 255, 255

 192, 157, 205

 220, 184, 234

 249, 211, 255


 255, 240, 255

 138, 105, 151

 112, 81, 125

 87, 57, 100

 63, 35, 76

 40, 14, 53

 22, 0, 32


 0, 0, 3

 0, 0, 0

 138, 105, 151

 134, 90, 151


 138, 105, 151


 142, 120, 151


 129, 75, 151

 147, 135, 151


 125, 60, 151

 151, 150, 151


 121, 45, 151

 151, 165, 161

 117, 30, 151


 151, 181, 173


 112, 14, 151

 151, 196, 183

 108, 0, 151

 151, 211, 194

 151, 226, 205

 151, 241, 216

# Harmonies

## Analogous

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



104, 113, 165



138, 105, 151



159, 98, 128

# Triad

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



138, 105, 151



118, 142, 68



12, 71, 131

# Complementary

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



138, 105, 151



105, 151, 138

# 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.



57, 101, 130



138, 105, 151



68, 120, 70

# Square

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



138, 105, 151



159, 112, 81



82, 126, 118



2, 71, 153

# Rectangle

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



138, 105, 151



165, 97, 111



82, 126, 118



30, 82, 130



# Sweetspot

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



138, 105, 151



191, 179, 196



105, 115, 151



96, 89, 99



227, 227, 227



99, 99, 99



# Same Dimension

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



138, 105, 151



176, 124, 196



151, 105, 141



74, 69, 77



101, 0, 140



9, 0, 13



# Inverse Universe

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



151, 105, 118



196, 124, 144



105, 143, 151



77, 69, 71



140, 0, 40

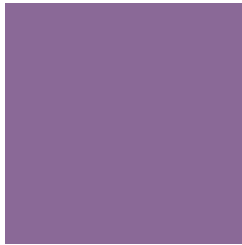


13, 0, 4



# Previews

## White Background



This preview shows how the RYB color 138, 105, 151 looks on a white background.

## Color Contrast Check

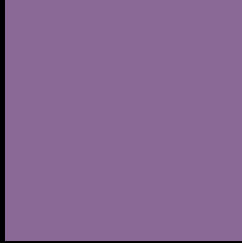
Large Text (above 18pt) WCAG AA ✓ Pass

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 138, 105, 151 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

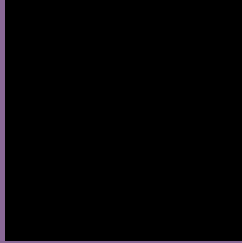
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 138, 105, 151 Background



This preview shows how black text looks on a background with the RYB color 138, 105, 151.

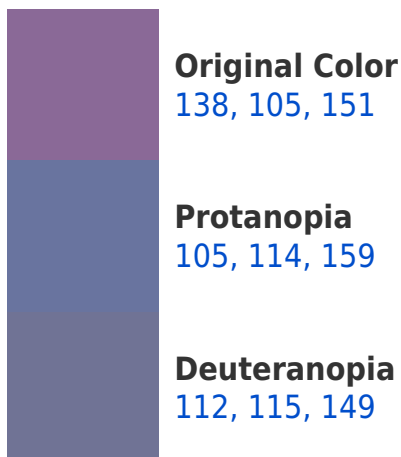



This preview shows how white text looks on a background with the RYB color 138, 105, 151.

# 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**  
133, 111, 120

# Trichromacy



**Original Color**  
138, 105, 151

**Protanomaly**  
117, 112, 156

**Deuteranomaly**  
121, 111, 150

**Tritanomaly**  
135, 109, 131

# Monochromacy



**Original Color**  
138, 105, 151

**Achromatopsia**  
120, 120, 120

**Achromatomaly**  
127, 115, 131

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 138, 105, 151 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(138, 105, 151) looks like.

```
.text, #text, p{  
    color:rgb(138, 105, 151)  
}
```

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(138, 105, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 105, 151) }
```

## Border

The CSS property to change the border of an element to RYB 138, 105, 151 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(138, 105, 151) }
```

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

```
.border{ border-color:rgb(138, 105, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 105, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 105, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 105, 151);  
box-shadow:4px 4px 4px 4px rgb(138, 105,  
151) }
```

# Background

The CSS property to change the background color of an element to RYB 138, 105, 151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 105, 151) }
```

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

```
.background{ background-color: rgb(138,  
105, 151) }
```

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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