

# Converting Colors

`RYB(158, 87, 142)`

Have a look what the booklet for  
RYB(158, 87, 142) contains.

<b>RYB(158, 87, 142)</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

**RYP(158, 87, 142)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9E578E
RGB	158, 87, 142
RGB Percent	62%, 34%, 56%
CMY	0.3804, 0.6588, 0.4431
CMYK	0.00, 0.45, 0.10, 0.38
HSL	314°, 29%, 48%
HSV	314°, 45%, 62%
XYZ	22.3912, 16.0385, 27.5068
YIQ	114.4990, 24.6610, 32.1570

# Conversions

## Conversions Part 2

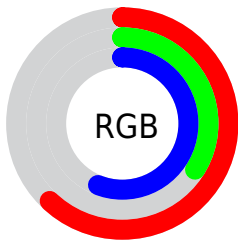
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 87, 142
Decimal	10377102
CIE Lab	47.02, 37.14, -17.77
CIE LCh	47, 41.176, 334.436
Yxy	16.0385, 0.3396, 0.2432
Android (android.graphics.Color)	4288567182 (0xFF9E578E)
YUV	114.4990, 13.5580, 38.1504
Hunter-Lab	40.0481, 29.7168, -12.6893

# Details

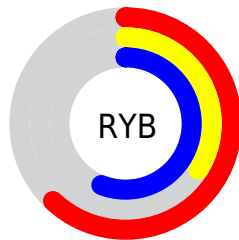
The RYB color **158, 87, 142** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **87, 145, 158**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **214, 139, 196**, and **105, 37, 92** is the 20% darker color. If you saturate the color by 10%, you get **158, 71, 138**, and if you desaturate by 10%, it is **158, 103, 146**.

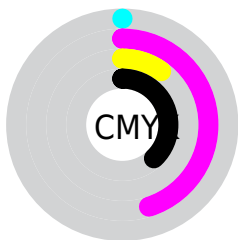
# Distribution



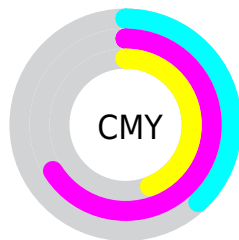
- Red (62%)
- Green (34%)
- Blue (56%)



- Red (62%)
- Yellow (34%)
- Blue (56%)



- Cyan (0%)
- Magenta (45%)
- Yellow (10%)
- Black (38%)



- Cyan (38%)
- Magenta (66%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 158, 87, 142 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 158, 87, 142 by changing the saturation by 10% instead.





158, 87, 142



158, 87, 142

255, 255, 255



131, 62, 116



214, 139, 196



105, 37, 92



243, 166, 224



79, 10, 68



255, 193, 252



55, 0, 46



255, 222, 255



33, 0, 25



255, 250, 255



0, 0, 0



158, 87, 142



158, 87, 142



158, 71, 138



158, 103, 146



158, 55, 135



158, 119, 149

158, 40, 131

158, 134, 153

158, 24, 128

158, 150, 156

158, 8, 124

158, 164, 166

158, 0, 122

158, 178, 182

158, 191, 198

158, 203, 213

158, 216, 229

# Harmonies

## Analogous

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



120, 100, 169



158, 87, 142



175, 81, 108

# Triad

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



158, 87, 142



57, 126, 39



0, 69, 150

# Complementary

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



158, 87, 142



87, 145, 158

# 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, 68, 129



158, 87, 142



52, 121, 83

# Square

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



158, 87, 142



155, 144, 49



39, 98, 126



0, 72, 173

# Rectangle

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



158, 87, 142



175, 83, 85



39, 98, 126



0, 67, 139



# Sweetspot

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



158, 87, 142



207, 180, 200



102, 87, 158



105, 88, 101



232, 232, 232



105, 105, 105



# Same Dimension

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



158, 87, 142



207, 95, 181



158, 87, 107



79, 71, 77



143, 0, 111



15, 0, 12



# Inverse Universe

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



158, 87, 142



207, 95, 181



87, 128, 158



79, 71, 77



143, 0, 111

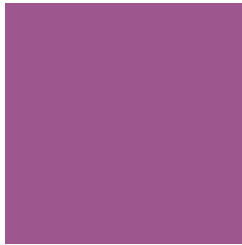


15, 0, 12



# Previews

## White Background



This preview shows how the RYB color 158, 87, 142 looks on a white background.

## Color Contrast Check

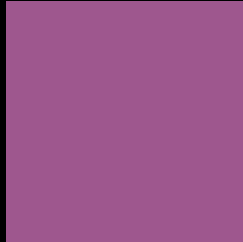
Large Text (above 18pt) WCAG AA ✓ Pass

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 158, 87, 142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

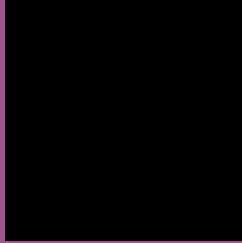
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYB 158, 87, 142 Background



This preview shows how black text looks on a background with the RYB color 158, 87, 142.

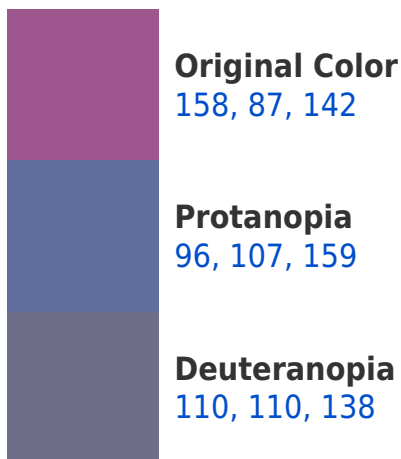



This preview shows how white text looks on a background with the RYB color 158, 87, 142.

# 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**  
153, 95, 103

# Trichromacy



**Original Color**  
158, 87, 142

**Protanomaly**  
119, 102, 153

**Deuteranomaly**  
127, 102, 139

**Tritanomaly**  
155, 92, 117

# Monochromacy



**Original Color**  
158, 87, 142

**Achromatopsia**  
114, 114, 114

**Achromatomaly**  
130, 104, 124

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 158, 87, 142 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(158, 87, 142)` looks like.

```
.text, #text, p{  
    color:rgb(158, 87, 142)  
}
```

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(158, 87, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 87, 142) }
```

## Border

The CSS property to change the border of an element to RYB 158, 87, 142 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(158, 87, 142) }
```

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

```
.border{ border-color:rgb(158, 87, 142) }
```

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

Here you see how a box with a 4 pixel rgb(158, 87, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 87, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 87, 142);  
box-shadow:4px 4px 4px 4px rgb(158, 87,  
142) }
```

# Background

The CSS property to change the background color of an element to RGB 158, 87, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 87, 142) }
```

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

```
.background{ background-color: rgb(158, 87,  
142) }
```

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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