

Converting Colors

`RYB(158, 94, 155)`

Have a look what the booklet for
RYB(158, 94, 155) contains.

RYB(158, 94, 155)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

RYP(158, 94, 155)

Conversions

Conversions Part 1

Format	Color
Hex	9E5E9B
RGB	158, 94, 155
RGB Percent	62%, 37%, 61%
CMY	0.3804, 0.6314, 0.3922
CMYK	0.00, 0.41, 0.02, 0.38
HSL	303°, 25%, 49%
HSV	303°, 41%, 62%
XYZ	24.0196, 17.6411, 33.1494
YIQ	120.0900, 18.5630, 32.5390

Conversions

Conversions Part 2

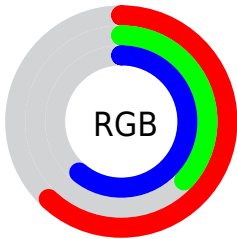
Format	Color
R_{YB}	158, 94, 155
Decimal	10378907
CIE _{Lab}	49.06, 35.69, -22.38
CIE _{LCh}	49, 42.128, 327.916
Yxy	17.6411, 0.3211, 0.2358
Android (android.graphics.Color)	4288568987 (0xFF9E5E9B)
YUV	120.0900, 17.2106, 33.2471
Hunter-Lab	42.0013, 28.5782, -17.3937

Details

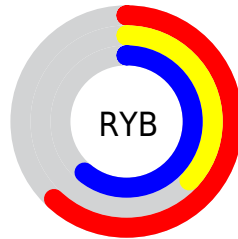
The RYB color **158, 94, 155** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **94, 155, 158**, and the grayscale version is **120, 120, 120**.

A 20% lighter version of the original color is **214, 146, 210**, and **105, 45, 104** is the 20% darker color. If you saturate the color by 10%, you get **158, 78, 154**, and if you desaturate by 10%, it is **158, 110, 156**.

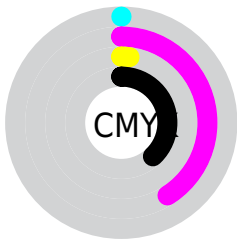
Distribution



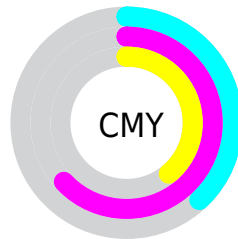
- Red (62%)
- Green (37%)
- Blue (61%)



- Red (62%)
- Yellow (37%)
- Blue (61%)



- Cyan (0%)
- Magenta (41%)
- Yellow (2%)
- Black (38%)



- Cyan (38%)
- Magenta (63%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the RYB color 158, 94, 155 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, 94, 155 by changing the saturation by 10% instead.



158, 94, 155



158, 94, 155

255, 255, 255



131, 69, 129



214, 146, 210



105, 45, 104



243, 173, 238



80, 20, 79



255, 201, 255



55, 0, 56



255, 229, 255



36, 0, 35



0, 0, 9



0, 0, 0



158, 94, 155




158, 94, 155



158, 78, 154




158, 110, 156

 158, 62, 154


 158, 126, 156

 158, 47, 153

 158, 141, 157

 158, 31, 152

 158, 157, 158

 158, 15, 151

 158, 172, 173

 158, 0, 151

 158, 188, 189

 158, 203, 205

 158, 217, 220

 158, 232, 236

Harmonies

Analogous

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



114, 108, 180



158, 94, 155



180, 86, 121

Triad

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



158, 94, 155



76, 139, 42



0, 71, 149

Complementary

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



158, 94, 155



94, 155, 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, 73, 134



158, 94, 155



50, 124, 71

Square

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



158, 94, 155



166, 132, 56



57, 115, 131



0, 75, 176

Rectangle

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



158, 94, 155



183, 86, 97



57, 115, 131



0, 68, 137

Sweetspot

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



158, 94, 155



207, 182, 205



96, 94, 158



105, 90, 104



232, 232, 232



105, 105, 105

Same Dimension

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



158, 94, 155



207, 105, 202



158, 94, 124



79, 71, 79



143, 0, 136



15, 0, 15

Inverse Universe

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



158, 94, 155



207, 105, 202



94, 136, 158



79, 71, 79



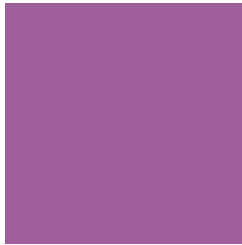
143, 0, 136



15, 0, 15

Previews

White Background



This preview shows how the RYB color 158, 94, 155 looks on a white background.

Color Contrast Check

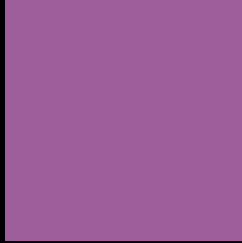
Large Text (above 18pt) WCAG AA ✓ Pass

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, 94, 155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

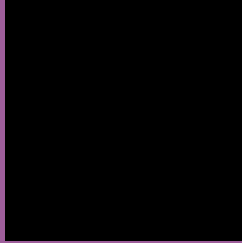
Any Text WCAG AA ✓ Pass

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 158, 94, 155 Background



This preview shows how black text looks on a background with the RYB color 158, 94, 155.

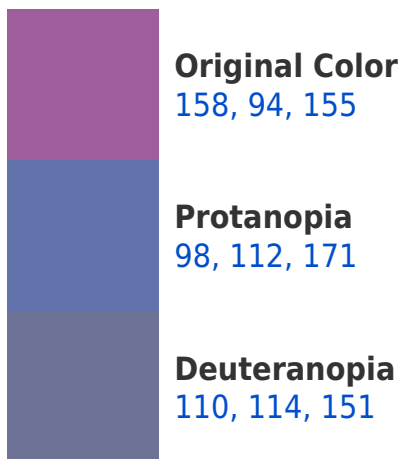



This preview shows how white text looks on a background with the RYB color 158, 94, 155.

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
152, 103, 111

Trichromacy



Original Color
158, 94, 155

Protanomaly
120, 107, 165

Deuteranomaly
127, 107, 152

Tritanomaly
154, 100, 127

Monochromacy



Original Color
158, 94, 155

Achromatopsia
120, 120, 120

Achromatomaly
134, 111, 133

CSS Examples

Text

The CSS property to change the color of the text to RYB 158, 94, 155 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, 94, 155)` looks like.

```
.text, #text, p{  
    color:rgb(158, 94, 155)  
}
```

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, 94, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 94, 155) }
```

Border

The CSS property to change the border of an element to RYB 158, 94, 155 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, 94, 155) }
```

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

```
.border{ border-color:rgb(158, 94, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 94, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 94, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 94, 155);  
box-shadow:4px 4px 4px 4px rgb(158, 94,  
155) }
```

Background

The CSS property to change the background color of an element to RYB 158, 94, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 94, 155) }
```

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

```
.background{ background-color: rgb(158, 94,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor