

# Converting Colors

`RYB(142, 99, 155)`

Have a look what the booklet for  
RYB(142, 99, 155) contains.

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# Color

**RYP(142, 99, 155)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8E639B
RGB	142, 99, 155
RGB Percent	56%, 39%, 61%
CMY	0.4431, 0.6118, 0.3922
CMYK	0.08, 0.36, 0.00, 0.39
HSL	286°, 22%, 50%
HSV	286°, 36%, 61%
XYZ	21.5336, 17.0410, 33.1646
YIQ	118.2410, 7.6520, 26.5320

# Conversions

## Conversions Part 2

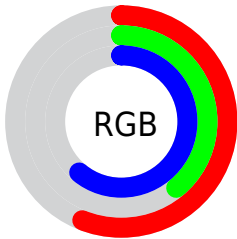
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	142, 99, 155
Decimal	9331611
CIE <sub>Lab</sub>	48.31, 27.60, -23.68
CIE <sub>LCh</sub>	48, 36.372, 319.371
Yxy	17.0410, 0.3002, 0.2375
Android (android.graphics.Color)	4287521691 (0xFF8E639B)
YUV	118.2410, 18.1222, 20.8366
Hunter-Lab	41.2808, 20.8708, -18.7366

# Details

The RYB color **142, 99, 155** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **99, 155, 142**, and the grayscale version is **118, 118, 118**.

A 20% lighter version of the original color is **196, 150, 210**, and **91, 51, 104** is the 20% darker color. If you saturate the color by 10%, you get **138, 84, 155**, and if you desaturate by 10%, it is **146, 115, 155**.

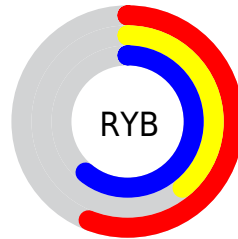
# Distribution



Red (56%)

Green (39%)

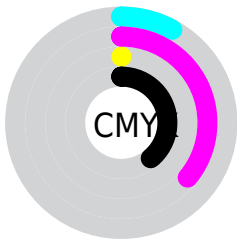
Blue (61%)



Red (56%)

Yellow (39%)

Blue (61%)

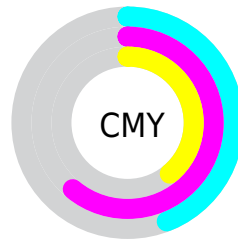


Cyan (8%)

Magenta (36%)

Yellow (0%)

Black (39%)



Cyan (44%)

Magenta (61%)

Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 142, 99, 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 142, 99, 155 by changing the saturation by 10% instead.



 142, 99, 155

255, 255, 255

 196, 150, 210

 225, 177, 238

 254, 205, 255

 255, 233, 255

 142, 99, 155

 138, 84, 155

 142, 99, 155

 116, 75, 129

 91, 51, 104

 66, 28, 79

 43, 6, 56

 23, 0, 35

 0, 0, 9


 0, 0, 0

 142, 99, 155


 146, 115, 155

 135, 68, 155

 149, 130, 155

 131, 53, 155


 153, 146, 155

 128, 37, 155


 155, 161, 160

 124, 22, 155

 155, 177, 172

 120, 6, 155

 155, 192, 183

 119, 0, 155

 155, 208, 196

 155, 223, 207

 155, 239, 220

# Harmonies

## Analogous

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



100, 110, 173



142, 99, 155



166, 90, 127

# Triad

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



142, 99, 155



108, 143, 53



0, 66, 134

# Complementary

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



142, 99, 155



99, 155, 142

# 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.



22, 84, 130



142, 99, 155



55, 119, 60

# Square

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



142, 99, 155



164, 111, 69



73, 126, 121



0, 71, 161

# Rectangle

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



142, 99, 155



173, 89, 106



73, 126, 121



0, 67, 131



# Sweetspot

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



142, 99, 155



196, 179, 201



99, 110, 155



99, 89, 102



230, 230, 230



102, 102, 102



# Same Dimension

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



142, 99, 155



181, 115, 201



155, 99, 140



75, 69, 77



108, 0, 140



10, 0, 13



# Inverse Universe

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



155, 99, 112



201, 115, 135



99, 143, 155



77, 69, 71



140, 0, 33



13, 0, 3



# Previews

## White Background



This preview shows how the RYB color 142, 99, 155 looks on a white background.

## Color Contrast Check

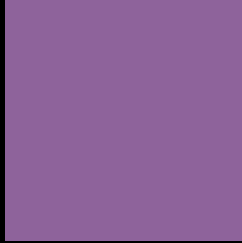
Large Text (above 18pt) WCAG AA ✓ Pass

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 142, 99, 155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

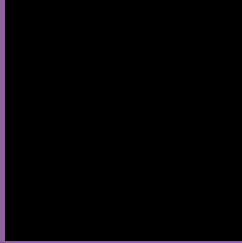
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## RYB 142, 99, 155 Background



This preview shows how black text looks on a background with the RYB color 142, 99, 155.

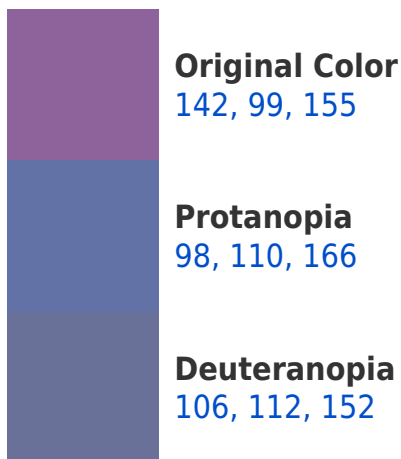


This preview shows how white text looks on a background with the RYB color 142, 99, 155.

# 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**  
136, 107, 115

# Trichromacy



**Original Color**

142, 99, 155

**Protanomaly**

114, 108, 162

**Deuteranomaly**

119, 108, 153

**Tritanomaly**

138, 104, 130

# Monochromacy



**Original Color**

142, 99, 155

**Achromatopsia**

118, 118, 118

**Achromatomaly**

127, 111, 131

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 142, 99, 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(142, 99, 155)` looks like.

```
.text, #text, p{  
    color:rgb(142, 99, 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(142, 99, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 99, 155) }
```

## Border

The CSS property to change the border of an element to RYB 142, 99, 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(142, 99, 155) }
```

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

```
.border{ border-color:rgb(142, 99, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 99, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 99, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 99, 155); box-shadow:4px 4px 4px 4px rgb(142, 99, 155) }
```

# Background

The CSS property to change the background color of an element to RYB 142, 99, 155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 99, 155) }
```

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

```
.background{ background-color: rgb(142, 99,  
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](#).



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