

# Converting Colors

`RYB(149, 123, 169)`

Have a look what the booklet for  
RYB(149, 123, 169) contains.

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# Color

**R<sub>Y</sub>B(149, 123, 169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	957BA9
RGB	149, 123, 169
RGB Percent	58%, 48%, 66%
CMY	0.4157, 0.5176, 0.3373
CMYK	0.12, 0.27, 0.00, 0.34
HSL	274°, 21%, 57%
HSV	274°, 27%, 66%
XYZ	26.6388, 23.4201, 40.6526
YIQ	136.0180, 0.7300, 19.8180

# Conversions

## Conversions Part 2

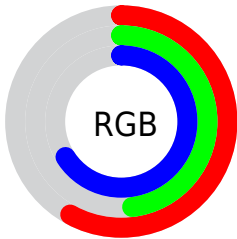
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	149, 123, 169
Decimal	9796521
CIE <sub>Lab</sub>	55.50, 19.01, -20.73
CIE <sub>LCh</sub>	56, 28.131, 312.518
Yxy	23.4201, 0.2937, 0.2582
Android (android.graphics.Color)	4287986601 (0xFF957BA9)
YUV	136.0180, 16.2601, 11.3852
Hunter-Lab	48.3943, 13.5661, -15.9294

# Details

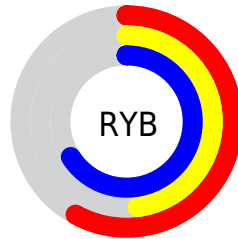
The RYB color **149, 123, 169** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **123, 169, 149**, and the grayscale version is **136, 136, 136**.

A 20% lighter version of the original color is **204, 176, 224**, and **98, 74, 117** is the 20% darker color. If you saturate the color by 10%, you get **142, 106, 169**, and if you desaturate by 10%, it is **156, 140, 169**.

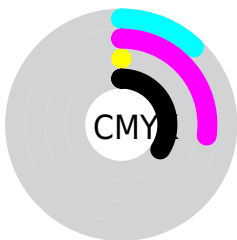
# Distribution



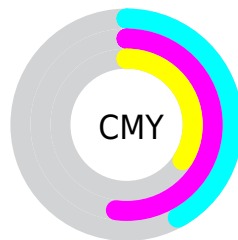
- Red (58%)
- Green (48%)
- Blue (66%)



- Red (58%)
- Yellow (48%)
- Blue (66%)



- Cyan (12%)
- Magenta (27%)
- Yellow (0%)
- Black (34%)



- Cyan (42%)
- Magenta (52%)
- Yellow (34%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 149, 123, 169 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 149, 123, 169 by changing the saturation by 10% instead.



 149, 123, 169

255, 255, 255

 204, 176, 224


 232, 203, 253

 255, 231, 255

 149, 123, 169

 123, 98, 142

 98, 74, 117

 73, 51, 92

 50, 29, 68


 28, 7, 46

 0, 1, 25

 0, 0, 0

 149, 123, 169

 142, 106, 169

 149, 123, 169

 156, 140, 169

 134, 89, 169

 164, 157, 169

 127, 72, 169


 169, 174, 172

 120, 55, 169

 169, 191, 182

 112, 39, 169

 169, 207, 190

 105, 22, 169

 169, 224, 200

 98, 5, 169

 169, 241, 210

 96, 0, 169

 169, 255, 216

 169, 255, 209

# Harmonies

## Analogous

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



115, 128, 180



149, 123, 169



172, 116, 148

# Triad

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



149, 123, 169



153, 162, 87



55, 101, 146

# Complementary

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



149, 123, 169



123, 169, 149

# 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.



83, 123, 145



149, 123, 169



89, 139, 85

# Square

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



149, 123, 169



177, 125, 101



96, 141, 125



48, 101, 165

# Rectangle

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



149, 123, 169



180, 114, 132



96, 141, 125



63, 108, 146



# Sweetspot

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



149, 123, 169



212, 202, 219



123, 137, 169



105, 99, 110



237, 237, 237



110, 110, 110



# Same Dimension

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



149, 123, 169



188, 147, 219



169, 123, 167



80, 76, 84



84, 0, 148



12, 0, 20



# Inverse Universe

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



169, 123, 143



219, 147, 178



123, 167, 169



84, 76, 79



148, 0, 64

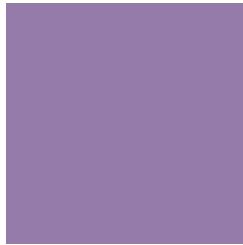


20, 0, 9



# Previews

## White Background



This preview shows how the RYB color 149, 123, 169 looks on a white background.

## Color Contrast Check

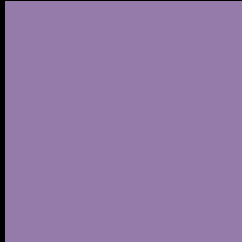
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



This preview shows how the RYB color 149, 123, 169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

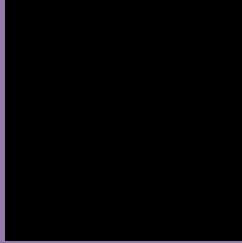
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 149, 123, 169 Background



This preview shows how black text looks on a background with the RYB color 149, 123, 169.

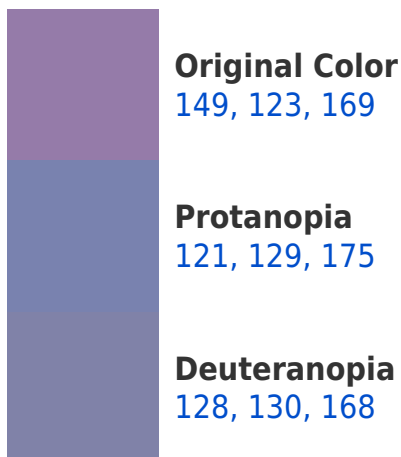



This preview shows how white text looks on a background with the RYB color 149, 123, 169.

# 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

144, 129, 139

# Trichromacy



**Original Color**  
149, 123, 169

**Protanomaly**  
131, 128, 173

**Deuteranomaly**  
136, 127, 168

**Tritanomaly**  
146, 127, 150

# Monochromacy



**Original Color**  
149, 123, 169

**Achromatopsia**  
136, 136, 136

**Achromatomaly**  
141, 131, 148

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 149, 123, 169 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(149, 123, 169) looks like.

```
.text, #text, p{  
    color:rgb(149, 123, 169)  
}
```

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(149, 123, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 123, 169) }
```

## Border

The CSS property to change the border of an element to RYB 149, 123, 169 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(149, 123, 169) }
```

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

```
.border{ border-color:rgb(149, 123, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 123, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 123, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 123, 169);  
box-shadow:4px 4px 4px 4px rgb(149, 123,  
169) }
```

# Background

The CSS property to change the background color of an element to RYB 149, 123, 169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 123, 169) }
```

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

```
.background{ background-color: rgb(149,  
123, 169) }
```

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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