

# Converting Colors

`RYB(153, 139, 163)`

Have a look what the booklet for  
RYB(153, 139, 163) contains.

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# Color

**`RYB(153, 139, 163)`**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	998BA3
RGB	153, 139, 163
RGB Percent	60%, 55%, 64%
CMY	0.4000, 0.4549, 0.3608
CMYK	0.06, 0.15, 0.00, 0.36
HSL	275°, 12%, 59%
HSV	275°, 15%, 64%
XYZ	28.9803, 27.8819, 38.5046
YIQ	145.9220, 0.6400, 10.4320

# Conversions

## Conversions Part 2

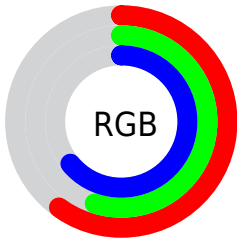
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 139, 163
Decimal	10062755
CIE <sub>Lab</sub>	59.78, 9.88, -10.77
CIE <sub>LCh</sub>	60, 14.621, 312.537
Yxy	27.8819, 0.3039, 0.2924
Android (android.graphics.Color)	4288252835 (0xFF998BA3)
YUV	145.9220, 8.4195, 6.2074
Hunter-Lab	52.8033, 5.5614, -6.2725

# Details

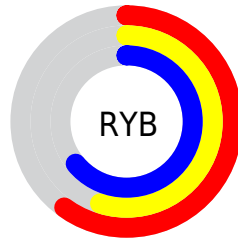
The RYB color **153, 139, 163** is a light color, and the websafe version is hex **999999**. A complement of this color would be **139, 163, 153**, and the grayscale version is **146, 146, 146**.

A 20% lighter version of the original color is **207, 192, 218**, and **102, 89, 111** is the 20% darker color. If you saturate the color by 10%, you get **146, 123, 163**, and if you desaturate by 10%, it is **160, 155, 163**.

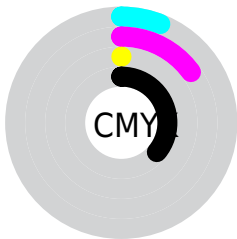
# Distribution



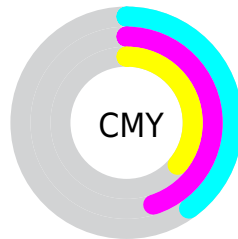
- Red (60%)
- Green (55%)
- Blue (64%)



- Red (60%)
- Yellow (55%)
- Blue (64%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (36%)



- Cyan (40%)
- Magenta (45%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 153, 139, 163 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 153, 139, 163 by changing the saturation by 10% instead.



 153, 139, 163


255, 255, 255

 207, 192, 218

 236, 220, 246

 255, 249, 255

 153, 139, 163


 127, 114, 137

 102, 89, 111

 78, 66, 87

 55, 43, 64


 33, 23, 42

 11, 0, 22

 0, 0, 0

 153, 139, 163

 146, 123, 163

 153, 139, 163

 160, 155, 163

139, 106, 163

163, 172, 168

133, 90, 163

163, 188, 178

126, 74, 163

163, 204, 187

119, 57, 163

163, 220, 196

112, 41, 163

163, 237, 206

105, 25, 163

163, 253, 215

99, 9, 163

163, 255, 211

95, 0, 163

163, 255, 204

# Harmonies

## Analogous

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



137, 142, 169



153, 139, 163



165, 136, 152

# Triad

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



153, 139, 163



159, 161, 120



111, 132, 152

# Complementary

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



153, 139, 163



139, 163, 153

# 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.



120, 140, 151



153, 139, 163



124, 149, 119

# Square

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



153, 139, 163



169, 140, 127



125, 149, 140



111, 133, 161

# Rectangle

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



153, 139, 163



170, 135, 143



125, 149, 140



113, 134, 152



# Sweetspot

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



153, 139, 163



208, 203, 212



139, 146, 163



105, 102, 107



235, 235, 235



107, 107, 107



# Same Dimension

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



153, 139, 163



196, 174, 212



163, 139, 161



78, 73, 82



85, 0, 145



10, 0, 18



# Inverse Universe

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



163, 139, 149



212, 174, 189



139, 161, 163



82, 73, 77



145, 0, 61



18, 0, 7



# Previews

## White Background



This preview shows how the RYB color 153, 139, 163 looks on a white background.

## Color Contrast Check

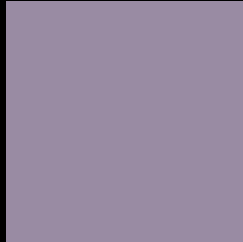
Large Text (above 18pt) WCAG AA ✓ Pass

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 153, 139, 163 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

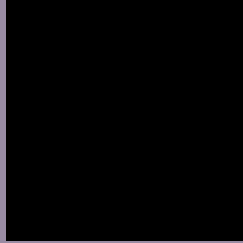
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## RYB 153, 139, 163 Background



This preview shows how black text looks on a background with the RYB color 153, 139, 163.



This preview shows how white text looks on a background with the RYB color 153, 139, 163.

# 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



### Original Color

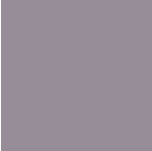
153, 139, 163

### Protanopia

140, 143, 166

### Deuteranopia

149, 140, 163



**Tritanopia**  
151, 141, 152

# Trichromacy



## Original Color

153, 139, 163

## Protanomaly

145, 142, 165

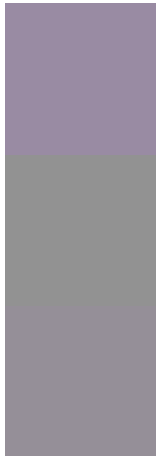
## Deuteranomaly

150, 140, 163

## Tritanomaly

152, 140, 156

# Monochromacy



## Original Color

153, 139, 163

## Achromatopsia

146, 146, 146

## Achromatomaly

149, 143, 152

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 153, 139, 163 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(153, 139, 163) looks like.

```
.text, #text, p{  
    color:rgb(153, 139, 163)  
}
```

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(153, 139, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 139, 163) }
```

## Border

The CSS property to change the border of an element to RYB 153, 139, 163 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(153, 139, 163) }
```

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

```
.border{ border-color:rgb(153, 139, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 139, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 139, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 139, 163);  
box-shadow:4px 4px 4px 4px rgb(153, 139,  
163) }
```

# Background

The CSS property to change the background color of an element to RYB 153, 139, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 139, 163) }
```

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

```
.background{ background-color: rgb(153,  
139, 163) }
```

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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