

# Converting Colors

`RYB(156, 103, 125)`

Have a look what the booklet for  
RYB(156, 103, 125) contains.

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# Color

**R<sub>Y</sub>B(156, 103, 125)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C677D
RGB	156, 103, 125
RGB Percent	61%, 40%, 49%
CMY	0.3882, 0.5961, 0.5098
CMYK	0.00, 0.34, 0.20, 0.39
HSL	335°, 21%, 51%
HSV	335°, 34%, 61%
XYZ	22.2622, 18.2491, 21.7511
YIQ	121.3550, 24.5260, 18.0780

# Conversions

## Conversions Part 2

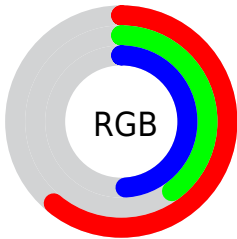
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	156, 103, 125
Decimal	10250109
CIE <sub>Lab</sub>	49.80, 24.60, -3.47
CIE <sub>LCh</sub>	50, 24.847, 351.967
Yxy	18.2491, 0.3576, 0.2931
Android (android.graphics.Color)	4288440189 (0xFF9C677D)
YUV	121.3550, 1.7970, 30.3837
Hunter-Lab	42.7189, 18.2639, -0.2853

# Details

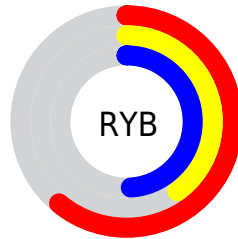
The RYB color **156, 103, 125** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **103, 136, 156**, and the grayscale version is **121, 121, 121**.

A 20% lighter version of the original color is **211, 155, 178**, and **103, 55, 76** is the 20% darker color. If you saturate the color by 10%, you get **156, 87, 116**, and if you desaturate by 10%, it is **156, 119, 134**.

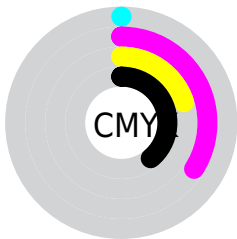
# Distribution



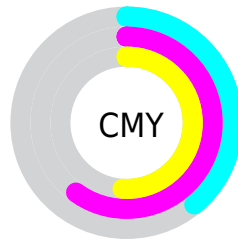
- Red (61%)
- Green (40%)
- Blue (49%)



- Red (61%)
- Yellow (40%)
- Blue (49%)



- Cyan (0%)
- Magenta (34%)
- Yellow (20%)
- Black (39%)



- Cyan (39%)
- Magenta (60%)
- Yellow (51%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 156, 103, 125 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 156, 103, 125 by changing the saturation by 10% instead.



 156, 103, 125

255, 255, 255

 211, 155, 178

 240, 182, 205


 255, 210, 233

 255, 238, 255

 156, 103, 125

 129, 78, 100

 103, 55, 76

 78, 32, 54


 54, 9, 32

 36, 0, 9

 0, 0, 0


 156, 103, 125

 156, 87, 116

 156, 72, 107

 156, 103, 125


 156, 119, 134

 156, 134, 143

 156, 56, 98

 156, 150, 152

 156, 41, 89

 156, 162, 165

 156, 25, 79

 156, 172, 181

 156, 9, 70

 156, 182, 197

 156, 0, 65

 156, 191, 212

 156, 201, 228

 156, 211, 243

# Harmonies

## Analogous

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



140, 108, 145



156, 103, 125



160, 103, 104

# Triad

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



156, 103, 125



79, 122, 84



53, 95, 151

# Complementary

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



156, 103, 125



103, 136, 156

# 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.



48, 90, 133



156, 103, 125



92, 127, 126

# Square

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



156, 103, 125



114, 138, 77



68, 104, 130



81, 108, 160

# Rectangle

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



156, 103, 125



157, 110, 91



68, 104, 130



48, 92, 146



# Sweetspot

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



156, 103, 125



204, 184, 192



134, 103, 156



102, 90, 95



230, 230, 230



102, 102, 102



# Same Dimension

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



156, 103, 125



204, 120, 155



156, 107, 103



79, 71, 74



143, 0, 59



15, 0, 6



# Inverse Universe

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



156, 103, 125



204, 120, 155



103, 128, 156



79, 71, 74



143, 0, 59

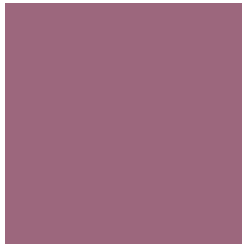


15, 0, 6



# Previews

## White Background



This preview shows how the RYB color 156, 103, 125 looks on a white background.

## Color Contrast Check

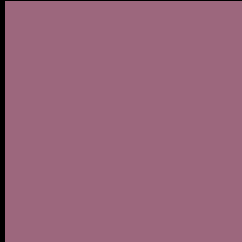
Large Text (above 18pt) WCAG AA ✓ Pass

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 156, 103, 125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

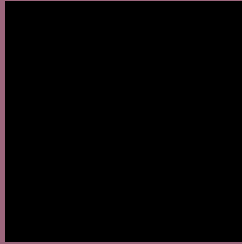
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 156, 103, 125 Background**



This preview shows how black text looks on a background with the RYB color 156, 103, 125.



This preview shows how white text looks on a background with the RYB color 156, 103, 125.

# 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**


156, 103, 125

**Protanopia**

116, 118, 134

**Deuteranopia**

128, 115, 123



**Tritanopia**  
155, 105, 113

# Trichromacy



**Original Color**

156, 103, 125

**Protanomaly**

131, 113, 131

**Deuteranomaly**

138, 111, 124

**Tritanomaly**

155, 104, 117

# Monochromacy



**Original Color**

156, 103, 125

**Achromatopsia**

121, 121, 121

**Achromatomaly**

134, 114, 122

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 156, 103, 125 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(156, 103, 125) looks like.

```
.text, #text, p{  
    color:rgb(156, 103, 125)  
}
```

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(156, 103, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 103, 125) }
```

## Border

The CSS property to change the border of an element to RYB 156, 103, 125 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(156, 103, 125) }
```

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

```
.border{ border-color:rgb(156, 103, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 103, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 103, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 103, 125);  
box-shadow:4px 4px 4px 4px rgb(156, 103,  
125) }
```

# Background

The CSS property to change the background color of an element to RYB 156, 103, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 103, 125) }
```

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

```
.background{ background-color: rgb(156,  
103, 125) }
```

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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