

# Converting Colors

`RYB(163, 103, 121)`

Have a look what the booklet for  
RYB(163, 103, 121) contains.

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# Color

**R<sub>Y</sub>B(163, 103, 121)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A36779
RGB	163, 103, 121
RGB Percent	64%, 40%, 47%
CMY	0.3608, 0.5961, 0.5255
CMYK	0.00, 0.37, 0.26, 0.36
HSL	342°, 25%, 52%
HSV	342°, 37%, 64%
XYZ	23.4057, 18.8675, 20.4973
YIQ	122.9920, 29.9820, 18.3180

# Conversions

## Conversions Part 2

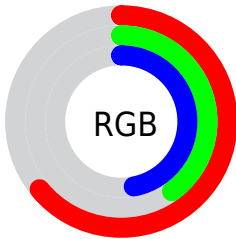
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	163, 103, 121
Decimal	10708857
CIE <sub>Lab</sub>	50.53, 26.62, 0.09
CIE <sub>LCh</sub>	51, 26.624, 0.185
Yxy	18.8675, 0.3729, 0.3006
Android (android.graphics.Color)	4288898937 (0xFFA36779)
YUV	122.9920, -0.9821, 35.0870
Hunter-Lab	43.4367, 20.1696, 2.4274

# Details

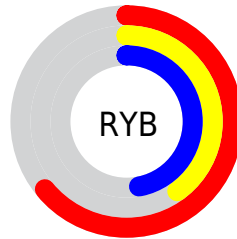
The RYB color **163, 103, 121** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **103, 138, 163**, and the grayscale version is **123, 123, 123**.

A 20% lighter version of the original color is **219, 155, 173**, and **110, 55, 73** is the 20% darker color. If you saturate the color by 10%, you get **163, 87, 110**, and if you desaturate by 10%, it is **163, 119, 132**.

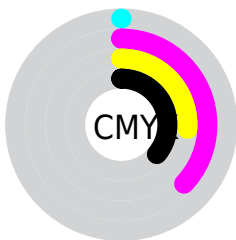
# Distribution



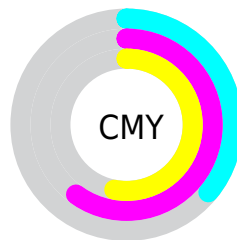
- Red (64%)
- Green (40%)
- Blue (47%)



- Red (64%)
- Yellow (40%)
- Blue (47%)



- Cyan (0%)
- Magenta (37%)
- Yellow (26%)
- Black (36%)



- Cyan (36%)
- Magenta (60%)
- Yellow (53%)

# Brightness & Saturation Gradients


These gradients show how the RYB color 163, 103, 121 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 163, 103, 121 by changing the saturation by 10% instead.



 163, 103, 121


255, 255, 255

 219, 155, 173


 248, 182, 201

 255, 210, 229

 255, 238, 255

 163, 103, 121

 136, 78, 96

 110, 55, 73


 84, 31, 50

 59, 8, 29

 40, 0, 3

 0, 0, 0

 163, 103, 121

 163, 87, 110

 163, 70, 98

 163, 103, 121

 163, 119, 132

 163, 136, 144

163, 54, 87

163, 152, 155

163, 38, 75

163, 166, 168

163, 22, 64

163, 176, 185

163, 5, 53

163, 186, 201

163, 0, 49

163, 195, 217

163, 204, 233

163, 214, 250

# Harmonies

## Analogous

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



149, 107, 143



163, 103, 121



164, 106, 99

# Triad

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



163, 103, 121



80, 126, 94



54, 98, 159

# Complementary

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



163, 103, 121



103, 138, 163

# 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.



38, 87, 142



163, 103, 121



85, 121, 130

# Square

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



163, 103, 121



97, 135, 75



57, 99, 133



89, 112, 165

# Rectangle

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



163, 103, 121



158, 120, 86



57, 99, 133



45, 93, 154



# Sweetspot

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



163, 103, 121



212, 188, 195



145, 103, 163



107, 93, 97



235, 235, 235



107, 107, 107



# Same Dimension

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



163, 103, 121



212, 119, 146



163, 118, 103



82, 73, 76



145, 0, 44



18, 0, 5



# Inverse Universe

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



163, 103, 121



212, 119, 146



103, 130, 163



82, 73, 76



145, 0, 44

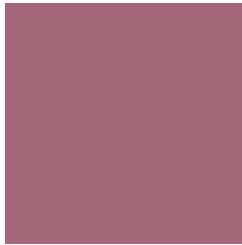


18, 0, 5



# Previews

## White Background



This preview shows how the RYB color 163, 103, 121 looks on a white background.

## Color Contrast Check

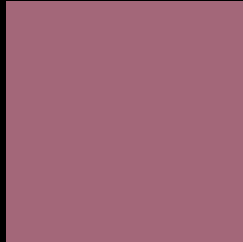
Large Text (above 18pt) WCAG AA ✓ Pass

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 163, 103, 121 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

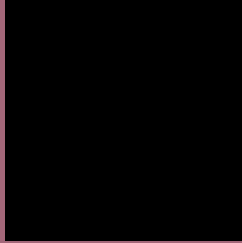
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## **RYB 163, 103, 121 Background**



This preview shows how black text looks on a background with the RYB color 163, 103, 121.



This preview shows how white text looks on a background with the RYB color 163, 103, 121.

# 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**  
163, 103, 121

**Protanopia**  
120, 120, 131

**Deuteranopia**  
133, 117, 119



**Tritanopia**  
162, 104, 112

# Trichromacy



**Original Color**  
163, 103, 121

**Protanomaly**  
136, 114, 127

**Deuteranomaly**  
144, 112, 120

**Tritanomaly**  
162, 104, 115

# Monochromacy



**Original Color**  
163, 103, 121

**Achromatopsia**  
123, 123, 123

**Achromatomaly**  
138, 116, 122

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 163, 103, 121 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(163, 103, 121)` looks like.

```
.text, #text, p{  
    color:rgb(163, 103, 121)  
}
```

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(163, 103, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 103, 121) }
```

## Border

The CSS property to change the border of an element to RYB 163, 103, 121 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(163, 103, 121) }
```

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

```
.border{ border-color:rgb(163, 103, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 103, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 103, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 103, 121);  
box-shadow:4px 4px 4px 4px rgb(163, 103,  
121) }
```

# Background

The CSS property to change the background color of an element to RYB 163, 103, 121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 103, 121) }
```

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

```
.background{ background-color: rgb(163,  
103, 121) }
```

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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