

Converting Colors

`RYB(163, 117, 170)`

Have a look what the booklet for
RYB(163, 117, 170) contains.

RYB(163, 117, 170)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(163, 117, 170)

Conversions

Conversions Part 1

Format	Color
Hex	A375AA
RGB	163, 117, 170
RGB Percent	64%, 46%, 67%
CMY	0.3608, 0.5412, 0.3333
CMYK	0.04, 0.31, 0.00, 0.33
HSL	292°, 24%, 56%
HSV	292°, 31%, 67%
XYZ	28.7212, 23.4114, 41.0353
YIQ	136.7960, 10.4030, 26.2350

Conversions

Conversions Part 2

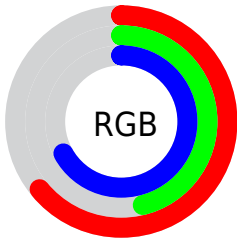
Format	Color
R _{YB}	163, 117, 170
Decimal	10712490
CIE _{Lab}	55.49, 27.36, -21.20
CIE _{LCh}	55, 34.615, 322.232
Yxy	23.4114, 0.3083, 0.2513
Android (android.graphics.Color)	4288902570 (0xFFA375AA)
YUV	136.7960, 16.3696, 22.9809
Hunter-Lab	48.3853, 21.2823, -16.4138

Details

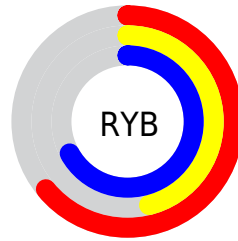
The RYB color **163, 117, 170** is a light color, and the websafe version is hex **996699**. A complement of this color would be **117, 170, 163**, and the grayscale version is **137, 137, 137**.

A 20% lighter version of the original color is **219, 170, 225**, and **110, 68, 118** is the 20% darker color. If you saturate the color by 10%, you get **161, 100, 170**, and if you desaturate by 10%, it is **165, 134, 170**.

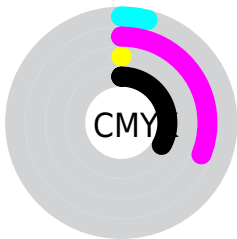
Distribution



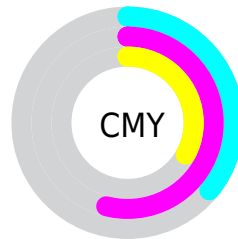
- Red (64%)
- Green (46%)
- Blue (67%)



- Red (64%)
- Yellow (46%)
- Blue (67%)



- Cyan (4%)
- Magenta (31%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (54%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the RYB color 163, 117, 170 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, 117, 170 by changing the saturation by 10% instead.

 163, 117, 170

255, 255, 255


 219, 170, 225

 247, 197, 254

 255, 225, 255

255, 254, 255

 163, 117, 170


 161, 100, 170

 163, 117, 170

 136, 92, 143

 110, 68, 118

 85, 45, 93


 61, 22, 69

 38, 0, 47

 5, 0, 26

 0, 0, 0

 163, 117, 170

 165, 134, 170

■ 159, 83, 170

■ 167, 151, 170

■ 156, 66, 170

■ 170, 168, 170

■ 154, 49, 170

■ 170, 185, 183

■ 152, 32, 170

■ 170, 202, 198

■ 150, 15, 170

■ 170, 219, 213

■ 148, 0, 170

■ 170, 236, 227

■ 170, 253, 242

■ 170, 255, 242

Harmonies

Analogous

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



124, 128, 188



163, 117, 170



185, 110, 142

Triad

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



163, 117, 170



121, 159, 73



0, 76, 155

Complementary

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



163, 117, 170



117, 170, 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.



51, 106, 148



163, 117, 170



76, 138, 84

Square

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



163, 117, 170



181, 133, 87



95, 145, 145



0, 80, 180

Rectangle

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



163, 117, 170



191, 109, 122



95, 145, 145



0, 76, 149

Sweetspot

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



163, 117, 170



219, 202, 222



117, 123, 170



111, 100, 112



240, 240, 240



112, 112, 112

Same Dimension

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



163, 117, 170



211, 140, 222



170, 117, 151



83, 76, 84



128, 0, 148



18, 0, 20

Inverse Universe

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



170, 117, 124



222, 140, 151



117, 156, 170



84, 76, 77



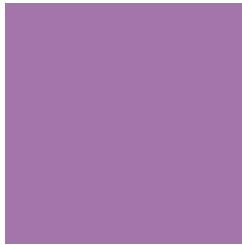
148, 0, 20



20, 0, 3

Previews

White Background



This preview shows how the RYB color 163, 117, 170 looks on a white background.

Color Contrast Check

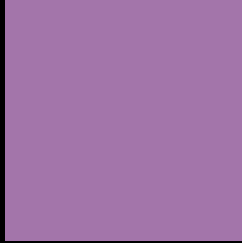
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117, 170 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, 117, 170 Background



This preview shows how black text looks on a background with the RYB color 163, 117, 170.

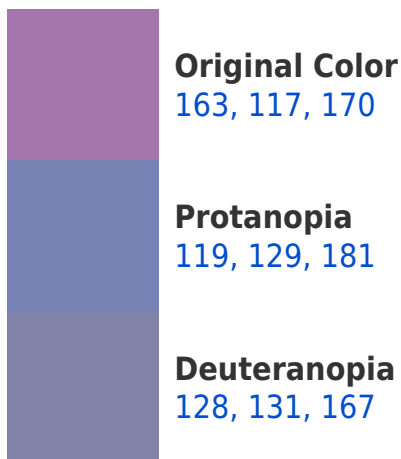


This preview shows how white text looks on a background with the RYB color 163, 117, 170.

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
158, 124, 134

Trichromacy



Original Color
163, 117, 170

Protanomaly
135, 126, 177

Deuteranomaly
141, 126, 168

Tritanomaly
160, 121, 147

Monochromacy



Original Color
163, 117, 170

Achromatopsia
137, 137, 137

Achromatomaly
146, 130, 149

CSS Examples

Text

The CSS property to change the color of the text to RYB 163, 117, 170 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, 117, 170)` looks like.

```
.text, #text, p{  
    color:rgb(163, 117, 170)  
}
```

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, 117, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 117, 170) }
```

Border

The CSS property to change the border of an element to RYB 163, 117, 170 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, 117, 170) }
```

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

```
.border{ border-color:rgb(163, 117, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 117, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 117, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 117, 170);  
box-shadow:4px 4px 4px 4px rgb(163, 117,  
170) }
```

Background

The CSS property to change the background color of an element to RYB 163, 117, 170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 117, 170) }
```

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

```
.background{ background-color: rgb(163,  
117, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor