

Converting Colors

`RYB(170, 107, 163)`

Have a look what the booklet for
RYB(170, 107, 163) contains.

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Color

R_YB(170, 107, 163)

Conversions

Conversions Part 1

Format	Color
Hex	AA6BA3
RGB	170, 107, 163
RGB Percent	67%, 42%, 64%
CMY	0.3333, 0.5804, 0.3608
CMYK	0.00, 0.37, 0.04, 0.33
HSL	307°, 27%, 54%
HSV	307°, 37%, 67%
XYZ	28.4461, 21.7058, 37.3407
YIQ	132.2210, 19.5720, 30.7720

Conversions

Conversions Part 2

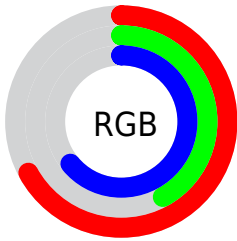
Format	Color
R_{YB}	170, 107, 163
Decimal	11168675
CIE _{Lab}	53.71, 33.96, -19.80
CIE _{LCh}	54, 39.310, 329.761
Yxy	21.7058, 0.3251, 0.2481
Android (android.graphics.Color)	4289358755 (0xFFAA6BA3)
YUV	132.2210, 15.1740, 33.1322
Hunter-Lab	46.5895, 27.4551, -14.9073

Details

The RYB color **170, 107, 163** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **107, 164, 170**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **226, 160, 218**, and **116, 57, 111** is the 20% darker color. If you saturate the color by 10%, you get **170, 90, 161**, and if you desaturate by 10%, it is **170, 124, 165**.

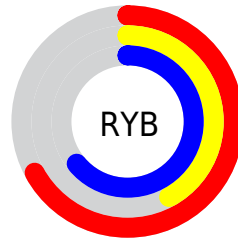
Distribution



Red (67%)

Green (42%)

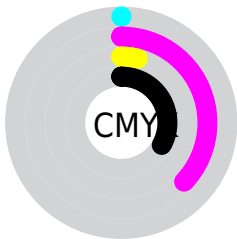
Blue (64%)



Red (67%)

Yellow (42%)

Blue (64%)

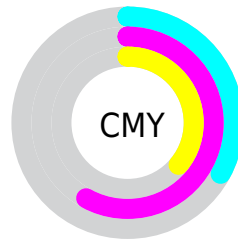


Cyan (0%)

Magenta (37%)

Yellow (4%)

Black (33%)



Cyan (33%)


Magenta (58%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 170, 107, 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 170, 107, 163 by changing the saturation by 10% instead.

 170, 107, 163


255, 255, 255

 226, 160, 218

 255, 187, 247


 255, 215, 255

 255, 244, 255

 170, 107, 163

 143, 82, 137

 116, 57, 111

 91, 33, 87

 66, 7, 63


 43, 0, 41


 8, 0, 19

 0, 0, 0

 170, 107, 163

 170, 90, 161

 170, 107, 163

 170, 124, 165

170, 73, 159

170, 141, 167

170, 56, 157

170, 158, 169

170, 39, 155

170, 174, 175

170, 22, 154

170, 190, 192

170, 5, 152

170, 205, 209

170, 0, 151

170, 221, 226

170, 236, 243

170, 246, 255

Harmonies

Analogous

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



130, 120, 187



170, 107, 163



190, 100, 130

Triad

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



170, 107, 163



90, 149, 59



0, 76, 161

Complementary

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



170, 107, 163



107, 164, 170

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.



0, 78, 146



170, 107, 163



67, 136, 89

Square

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



170, 107, 163



176, 145, 70



72, 127, 143



0, 80, 186

Rectangle

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



170, 107, 163



193, 101, 107



72, 127, 143



0, 74, 150

Sweetspot

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



170, 107, 163



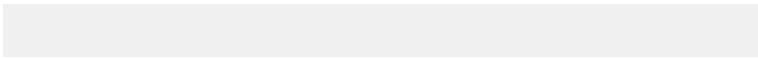
222, 197, 219



113, 107, 170



112, 98, 111



240, 240, 240



112, 112, 112

Same Dimension

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



170, 107, 163



222, 124, 211



170, 107, 132



84, 76, 83



148, 0, 131



20, 0, 18

Inverse Universe

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



170, 107, 163



222, 124, 211



107, 146, 170



84, 76, 83



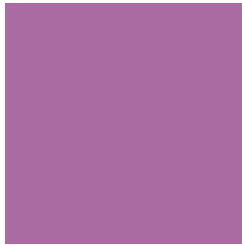
148, 0, 131



20, 0, 18

Previews

White Background



This preview shows how the RYB color 170, 107, 163 looks on a white background.

Color Contrast Check

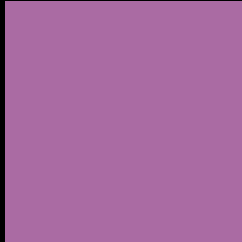
Large Text (above 18pt) WCAG AA ✓ Pass

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 170, 107, 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 170, 107, 163 Background



This preview shows how black text looks on a background with the RYB color 170, 107, 163.

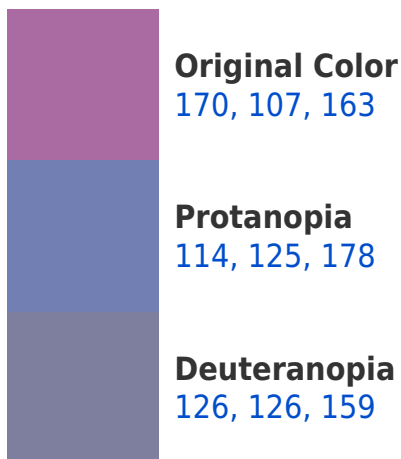



This preview shows how white text looks on a background with the RYB color 170, 107, 163.

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





Tritanopia
165, 115, 124

Trichromacy



Original Color
170, 107, 163

Protanomaly
134, 120, 173

Deuteranomaly
142, 119, 160

Tritanomaly
167, 112, 138

Monochromacy



Original Color
170, 107, 163

Achromatopsia
132, 132, 132

Achromatomaly
146, 123, 143

CSS Examples

Text

The CSS property to change the color of the text to RYB 170, 107, 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(170, 107, 163)` looks like.

```
.text, #text, p{  
    color:rgb(170, 107, 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(170, 107, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 107, 163) }
```

Border

The CSS property to change the border of an element to RYB 170, 107, 163 is called "border". The border property can be set on classes, ids or directly on the HTML element.

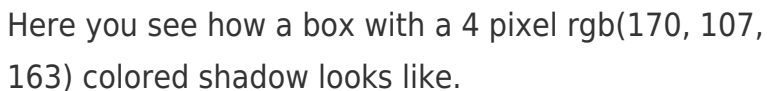
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 107, 163) }
```

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

```
.border{ border-color:rgb(170, 107, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(170, 107, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 107, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 107, 163);  
box-shadow:4px 4px 4px 4px rgb(170, 107,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 170, 107, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 107, 163) }
```

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

```
.background{ background-color: rgb(170,  
107, 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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