

# Converting Colors

`RYB(168, 71, 117)`

Have a look what the booklet for  
RYB(168, 71, 117) contains.

<b>RYB(168, 71, 117)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**$\text{RYB}(168, 71, 117)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A84775
RGB	168, 71, 117
RGB Percent	66%, 28%, 46%
CMY	0.3412, 0.7216, 0.5412
CMYK	0.00, 0.58, 0.30, 0.34
HSL	332°, 41%, 47%
HSV	332°, 58%, 66%
XYZ	21.6126, 14.1157, 18.4151
YIQ	105.2470, 43.0460, 34.8700

# Conversions

## Conversions Part 2

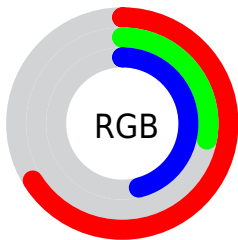
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 71, 117
Decimal	11028341
CIE <sub>Lab</sub>	44.40, 44.84, -6.47
CIE <sub>LCh</sub>	44, 45.309, 351.792
Yxy	14.1157, 0.3992, 0.2607
Android (android.graphics.Color)	4289218421 (0xFFA84775)
YUV	105.2470, 5.7942, 55.0344
Hunter-Lab	37.5708, 36.9330, -2.7611

# Details

The RYB color **168, 71, 117** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **71, 135, 168**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **226, 124, 169**, and **113, 14, 69** is the 20% darker color. If you saturate the color by 10%, you get **168, 54, 108**, and if you desaturate by 10%, it is **168, 88, 126**.

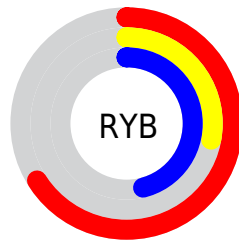
# Distribution



Red (66%)

Green (28%)

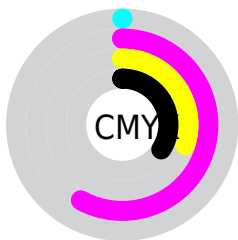
Blue (46%)



Red (66%)

Yellow (28%)

Blue (46%)

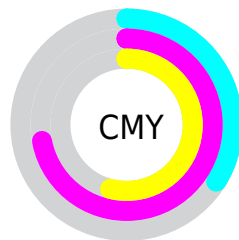


Cyan (0%)

Magenta (58%)

Yellow (30%)

Black (34%)



Cyan (34%)

Magenta (72%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 168, 71, 117 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 168, 71, 117 by changing the saturation by 10% instead.





168, 71, 117



168, 71, 117

255, 255, 255



140, 45, 92



226, 124, 169



113, 14, 69



255, 151, 196



86, 0, 47



255, 178, 224



60, 0, 26



255, 206, 253



34, 0, 1



255, 235, 255



0, 0, 0



168, 71, 117



168, 71, 117



168, 54, 108



168, 88, 126



168, 37, 99



168, 105, 135


 168, 21, 91

 168, 121, 143


 168, 4, 82

 168, 138, 152

 168, 0, 80

 168, 155, 161

 168, 171, 172

 168, 182, 189

 168, 192, 205

 168, 204, 222

# Harmonies

## Analogous

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



141, 83, 152



168, 71, 117



173, 72, 79

# Triad

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



168, 71, 117



28, 111, 41



0, 69, 164

# Complementary

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



168, 71, 117



71, 135, 168

# 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, 64, 132



168, 71, 117



51, 114, 119

# Square

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



168, 71, 117



75, 134, 24



0, 69, 122



0, 69, 180

# Rectangle

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



168, 71, 117



166, 87, 56



0, 69, 122



0, 68, 154



# Sweetspot

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



168, 71, 117



219, 182, 200



121, 71, 168



110, 88, 98



237, 237, 237



110, 110, 110



# Same Dimension

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



168, 71, 117



219, 68, 140



168, 73, 71



84, 76, 80



148, 0, 70



20, 0, 10



# Inverse Universe

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



168, 71, 117



219, 68, 140



71, 119, 168



84, 76, 80



148, 0, 70



20, 0, 10



# Previews

## White Background



This preview shows how the RYB color 168, 71, 117 looks on a white background.

## Color Contrast Check

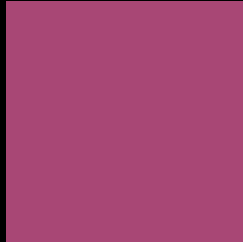
Large Text (above 18pt) WCAG AA ✓ Pass

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 168, 71, 117 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

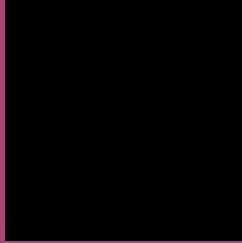
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## **R Y B 168, 71, 117 Background**



This preview shows how black text looks on a background with the RYB color 168, 71, 117.



This preview shows how white text looks on a background with the RYB color 168, 71, 117.

# 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**

168, 71, 117

**Protanopia**

96, 103, 139

**Deuteranopia**

113, 103, 112



**Tritanopia**  
165, 78, 84

# Trichromacy



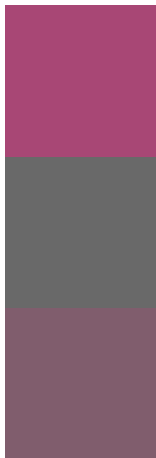
**Original Color**  
168, 71, 117

**Protanomaly**  
122, 92, 131

**Deuteranomaly**  
133, 91, 114

**Tritanomaly**  
166, 75, 96

# Monochromacy



**Original Color**  
168, 71, 117

**Achromatopsia**  
105, 105, 105

**Achromatomaly**  
128, 93, 109

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 168, 71, 117 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(168, 71, 117)` looks like.

```
.text, #text, p{  
    color:rgb(168, 71, 117)  
}
```

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(168, 71, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 71, 117) }
```

## Border

The CSS property to change the border of an element to RYB 168, 71, 117 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(168, 71, 117) }
```

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

```
.border{ border-color:rgb(168, 71, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 71, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 71, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 71, 117);  
box-shadow:4px 4px 4px 4px rgb(168, 71,  
117) }
```

# Background

The CSS property to change the background color of an element to RGB 168, 71, 117 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 71, 117) }
```

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

```
.background{ background-color: rgb(168, 71,  
117) }
```

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