Converting Colors

RYB(168, 54, 142)

Have a look what the booklet for RYB(168, 54, 142) contains.

Color

RYB(168, 54, 142)

Conversions

Format	Color
Hex	A8368E
RGB	168, 54, 142
RGB Percent	66%, 21%, 56%
CMY	0.3412, 0.7882, 0.4431
CMYK	0.00, 0.68, 0.15, 0.34
HSL	314°, 51%, 44%
HSV	314°, 68%, 66%
XYZ	22.3501, 12.9162, 26.9063
YIQ	98.1180, 39.6960, 51.5360

Conversions Part 1

Conversions

Conversions Part 2

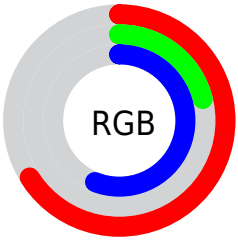
Format	Color
RYB	168, 54, 142
Decimal	11024014
CIELab	42.64, 55.87, -24.41
CIELCh	43, 60.969, 336.402
Yxy	12.9162, 0.3595, 0.2077
Android (android.graphics.Color)	4289214094 (0xFFA8368E)
YUV	98.1180, 21.6338, 61.2865
Hunter-Lab	35.9391, 48.1138, -19.2309

Details

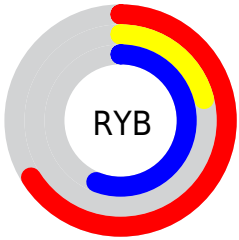
The RYB color 168, 54, 142 is a dark color, and the websafe version is hex 993399. A complement of this color would be 54, 147, 168, and the grayscale version is 98, 98, 98.

A 20% lighter version of the original color is 226, 109, 196, and 112, 0, 91 is the 20% darker color. If you saturate the color by 10%, you get 168, 37, 138, and if you desaturate by 10%, it is 168, 71, 146.

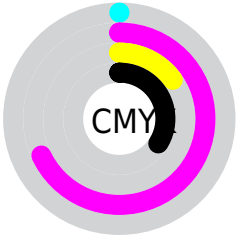
Distribution



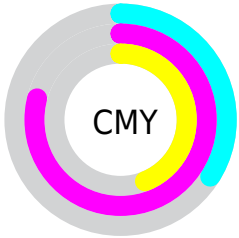
- Red (66%)
- Green (21%)
- Blue (56%)



- Red (66%)
- Yellow (21%)
- Blue (56%)



- Cyan (0%)
- Magenta (68%)
- Yellow (15%)
- Black (34%)



- Cyan (34%)
- Magenta (79%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 54, 142 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, 54, 142 by changing the saturation by 10% instead.

168, 54, 142	168, 54, 142
255, 255, 255	140, 21, 116
226, 109, 196	112, 0, 91
255, 137, 224	85, 0, 68
255, 165, 253	60, 0, 45
255, 193, 255	33, 0, 24
255, 222, 255	0, 0, 0
255, 251, 255	

168, 54, 142	168, 54, 142
168, 37, 138	168, 71, 146

168, 20, 134

168, 4, 131

168, 0, 130

168, 88, 150

168, 104, 153

168, 121, 157

168, 138, 161

168, 155, 165

168, 171, 172

168, 184, 188

168, 198, 205

Harmonies

Analogous

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

113, 82, 183

168, 54, 142

188, 39, 92

Triad

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

168, 54, 142

11, 112, 0

0, 69, 160

Complementary

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

168, 54, 142

54, 147, 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, 65, 123

168, 54, 142

0, 114, 56

Square

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

168, 54, 142

129, 153, 0

0, 81, 120

0, 73, 193

Rectangle

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

168, 54, 142

186, 49, 59

0, 81, 120

0, 66, 144

Sweetspot

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

168, 54, 142

219, 175, 209

79, 54, 168

110, 83, 104

237, 237, 237

110, 110, 110

Same Dimension

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

168, 54, 142

219, 42, 179

168, 54, 86

84, 76, 82

148, 0, 114

20, 0, 16

Inverse Universe

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

168, 54, 142

219, 42, 179

54, 120, 168

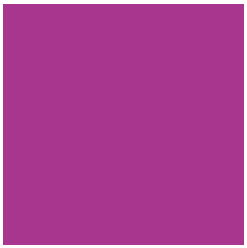
84, 76, 82

148, 0, 114

20, 0, 16

Previews

White Background

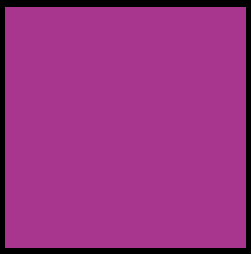


This preview shows how the RYB color 168, 54, 142 looks on a white background.

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



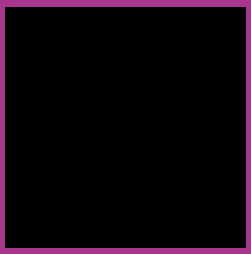
This preview shows how the RYB color 168, 54, 142 looks on a black background.

Color Contrast Check

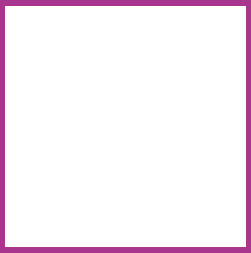
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 168, 54, 142 Background



This preview shows how black text looks on a background with the RYB color 168, 54, 142.



This preview shows how white text looks on a background with the RYB color 168, 54, 142.

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

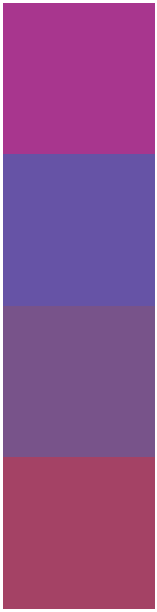
Original Color
168, 54, 142

Protanopia
64, 91, 179

Deuteranopia
93, 99, 135

Tritanopia
162, 73, 78

Trichromacy



Original Color
168, 54, 142

Protanomaly
102, 83, 166

Deuteranomaly
120, 83, 138

Tritanomaly
164, 66, 101

Monochromacy

Original Color
168, 54, 142

Achromatopsia
98, 98, 98

Achromatomaly
123, 82, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 54, 142 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, 54, 142) looks like.

```
.text, #text, p{
    color:rgb(168, 54, 142)
}
```

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, 54, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 54, 142) }
```

Border

The CSS property to change the border of an element to RYB 168, 54, 142 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, 54, 142) }
```

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

```
.border{ border-color:rgb(168, 54, 142) }
```

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

Here you see how a box with a 4 pixel rgb(168, 54, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 54, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 54, 142); box-shadow:4px 4px 4px 4px rgb(168, 54, 142) }
```

Background

The CSS property to change the background color of an element to RYB 168, 54, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(168, 54, 142) }
```

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

```
.background{ background-color:rgb(168, 54,
142) }
```

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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