Converting Colors

RYB(168, 123, 173)

Have a look what the booklet for RYB(168, 123, 173) contains.

Color

RYB(168, 123, 173)

Conversions

Conversions Part 1

Format	Color
Hex	A87BAD
RGB	168, 123, 173
RGB Percent	66%, 48%, 68%
CMY	0.3412, 0.5176, 0.3216
CMYK	0.03, 0.29, 0.00, 0.32
HSL	294°, 23%, 58%
HSV	294°, 29%, 68%
XYZ	30.7742, 25.5079, 42.8367
YIQ	142.1550, 10.7700, 25.0900

Conversions

Conversions Part 2

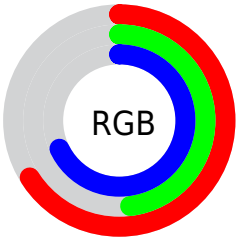
Format	Color
RYB	168, 123, 173
Decimal	11041709
CIELab	57.57, 26.24, -19.71
CIELCh	58, 32.815, 323.087
Yxy	25.5079, 0.3105, 0.2573
Android (android.graphics.Color)	4289231789 (0xFFA87BAD)
YUV	142.1550, 15.2066, 22.6661
Hunter-Lab	50.5053, 20.3805, -14.9338

Details

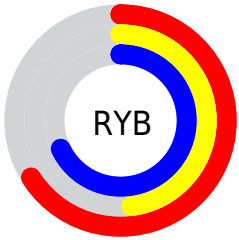
The RYB color 168, 123, 173 is a light color, and the websafe version is hex 996699. A complement of this color would be 123, 173, 168, and the grayscale version is 142, 142, 142.

A 20% lighter version of the original color is 224, 176, 229, and 115, 73, 121 is the 20% darker color. If you saturate the color by 10%, you get 166, 106, 173, and if you desaturate by 10%, it is 170, 140, 173.

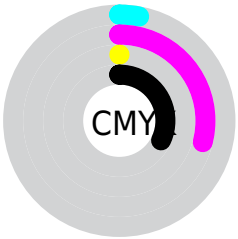
Distribution



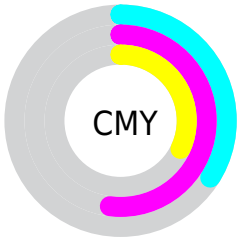
- Red (66%)
- Green (48%)
- Blue (68%)



- Red (66%)
- Yellow (48%)
- Blue (68%)



- Cyan (3%)
- Magenta (29%)
- Yellow (0%)
- Black (32%)



- Cyan (34%)
- Magenta (52%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the RYB color 168, 123, 173 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, 123, 173 by changing the saturation by 10% instead.

168, 123, 173	168, 123, 173
255, 255, 255	141, 98, 146
224, 176, 229	115, 73, 121
253, 204, 255	90, 50, 96
255, 232, 255	66, 28, 72
	43, 5, 49
	20, 0, 28
	0, 0, 0

168, 123, 173	168, 123, 173
166, 106, 173	170, 140, 173

165, 88, 173	171, 158, 173
163, 71, 173	173, 175, 175
161, 54, 173	173, 192, 190
159, 37, 173	173, 210, 206
158, 19, 173	173, 227, 222
156, 2, 173	173, 244, 237
156, 0, 173	173, 255, 246
	173, 255, 244

Harmonies

Analogous

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

132, 133, 191

168, 123, 173

189, 116, 146

Triad

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

168, 123, 173

126, 163, 81

15, 86, 160

Complementary

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

168, 123, 173

123, 173, 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.

63, 115, 153

168, 123, 173

85, 143, 93

Square

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

168, 123, 173

184, 140, 93

101, 148, 150

29, 97, 183

Rectangle

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

168, 123, 173

194, 116, 127

101, 148, 150

33, 95, 154

Sweetspot

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

168, 123, 173

222, 204, 224

123, 128, 173

111, 100, 112

240, 240, 240

112, 112, 112

Same Dimension

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

168, 123, 173

217, 146, 224

173, 123, 154

86, 78, 87

135, 0, 150

21, 0, 23

Inverse Universe

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

173, 123, 128

224, 146, 154

123, 159, 173

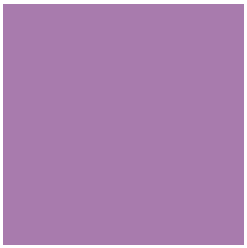
87, 78, 79

150, 0, 15

23, 0, 2

Previews

White Background

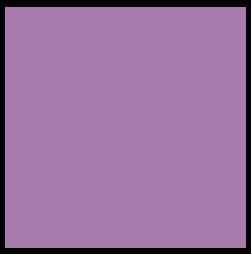


This preview shows how the RYB color 168, 123, 173 looks on a white background.

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



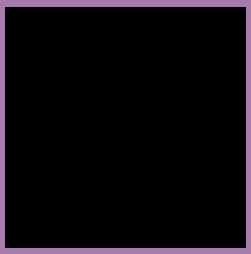
This preview shows how the RYB color 168, 123, 173 looks on a black background.

Color Contrast Check

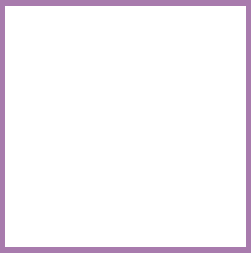
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

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

RYB 168, 123, 173 Background



This preview shows how black text looks on a background with the RYB color 168, 123, 173.

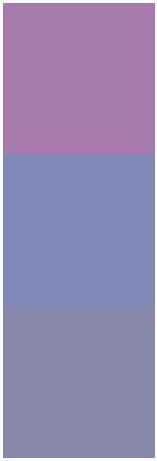


This preview shows how white text looks on a background with the RYB color 168, 123, 173.

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



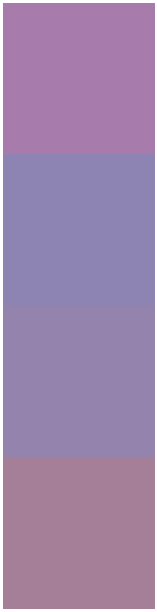
Original Color
168, 123, 173

Protanopia
126, 135, 183

Deuteranopia
136, 136, 171

Tritanopia
163, 129, 139

Trichromacy



Original Color
168, 123, 173

Protanomaly
141, 132, 179

Deuteranomaly
148, 131, 172

Tritanomaly
165, 127, 151

Monochromacy

Original Color
168, 123, 173

Achromatopsia
142, 142, 142

Achromatomaly
151, 135, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 168, 123, 173 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, 123, 173) looks like.

```
.text, #text, p{
    color:rgb(168, 123, 173)
}
```

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, 123, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 123, 173) }
```

Border

The CSS property to change the border of an element to RYB 168, 123, 173 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, 123, 173) }
```

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

```
.border{ border-color:rgb(168, 123, 173) }
```

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

Here you see how a box with a 4 pixel rgb(168, 123, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 123, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 123, 173); box-shadow:4px 4px 4px 4px rgb(168, 123, 173) }
```

Background

The CSS property to change the background color of an element to RYB 168, 123, 173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(168, 123, 173) }
```

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

```
.background{ background-color:rgb(168,
123, 173) }
```

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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