

Converting Colors

`RYB(177, 123, 178)`

Have a look what the booklet for
RYB(177, 123, 178) contains.

RYB(177, 123, 178)	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(177, 123, 178)

Conversions

Conversions Part 1

Format	Color
Hex	B17BB2
RGB	177, 123, 178
RGB Percent	69%, 48%, 70%
CMY	0.3059, 0.5176, 0.3020
CMYK	0.01, 0.31, 0.00, 0.30
HSL	299°, 26%, 59%
HSV	299°, 31%, 70%
XYZ	33.2503, 26.7274, 45.5259
YIQ	145.4160, 14.5290, 28.5530

Conversions

Conversions Part 2

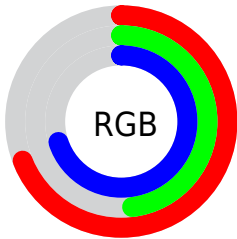
Format	Color
RYB	177, 123, 178
Decimal	11631538
CIELab	58.72, 30.23, -20.72
CIELCh	59, 36.655, 325.571
Yxy	26.7274, 0.3152, 0.2533
Android (android.graphics.Color)	4289821618 (0xFFB17BB2)
YUV	145.4160, 16.0639, 27.6992
Hunter-Lab	51.6985, 24.3312, -16.0220

Details

The RYB color **177, 123, 178** is a light color, and the websafe version is hex **996699**. A complement of this color would be **123, 178, 177**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **233, 176, 234**, and **123, 73, 125** is the 20% darker color. If you saturate the color by 10%, you get **177, 105, 178**, and if you desaturate by 10%, it is **177, 141, 178**.

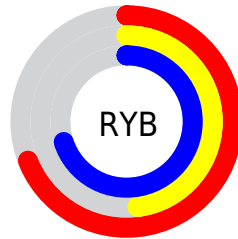
Distribution



Red (69%)

Green (48%)

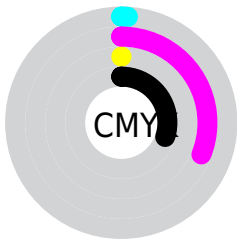
Blue (70%)



Red (69%)

Yellow (48%)

Blue (70%)

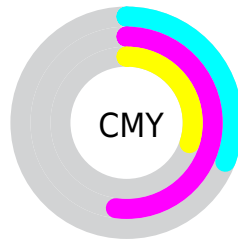


Cyan (1%)

Magenta (31%)

Yellow (0%)

Black (30%)



Cyan (31%)

Magenta (52%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 177, 123, 178 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 177, 123, 178 by changing the saturation by 10% instead.

 177, 123, 178

255, 255, 255

 233, 176, 234

 255, 204, 255


 255, 232, 255

 177, 123, 178

 150, 98, 151

 123, 73, 125

 98, 49, 100


 73, 26, 76


 49, 2, 53

 30, 0, 32

 0, 0, 3

 0, 0, 0

 177, 123, 178

 177, 123, 178

■ 177, 105, 178

■ 177, 141, 178

■ 176, 87, 178

■ 178, 159, 178

■ 176, 70, 178

■ 178, 176, 178

■ 176, 52, 178

■ 178, 194, 194

■ 175, 34, 178

■ 178, 212, 211

■ 175, 16, 178

■ 178, 230, 229

■ 175, 0, 178

■ 178, 248, 247

■ 178, 255, 253

Harmonies

Analogous

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



137, 135, 199



177, 123, 178



199, 116, 147

Triad

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



177, 123, 178



117, 166, 76



0, 81, 168

Complementary

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



177, 123, 178



123, 178, 177

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.



46, 108, 158



177, 123, 178



82, 148, 96

Square

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



177, 123, 178



190, 147, 89



96, 147, 154



0, 86, 193

Rectangle

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



177, 123, 178



203, 116, 126



96, 147, 154



0, 79, 158

Sweetspot

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



177, 123, 178



232, 211, 232



123, 125, 178



117, 104, 117



245, 245, 245



117, 117, 117

Same Dimension

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



177, 123, 178



230, 146, 232



178, 123, 152



89, 80, 89



150, 0, 153



25, 0, 26

Inverse Universe

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



178, 123, 124



232, 146, 148



123, 160, 178



89, 80, 80



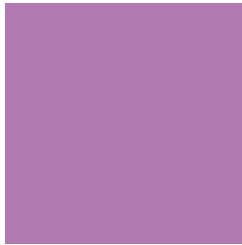
153, 0, 3



26, 0, 0

Previews

White Background



This preview shows how the RYB color 177, 123, 178 looks on a white background.

Color Contrast Check

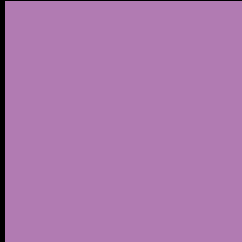
Large Text (above 18pt) WCAG AA ✓ Pass

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 177, 123, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

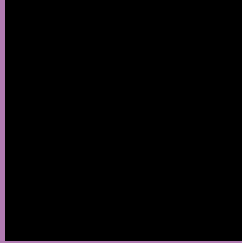
Any Text WCAG AA ✓ Pass

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 177, 123, 178 Background



This preview shows how black text looks on a background with the RYB color 177, 123, 178.



This preview shows how white text looks on a background with the RYB color 177, 123, 178.

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
177, 123, 178

Protanopia
127, 138, 190

Deuteranopia
138, 139, 175



Tritanopia
172, 130, 140

Trichromacy



Original Color
177, 123, 178

Protanomaly
145, 134, 186

Deuteranomaly
152, 133, 176

Tritanomaly
174, 127, 154

Monochromacy



Original Color
177, 123, 178

Achromatopsia
145, 145, 145

Achromatomaly
157, 137, 157

CSS Examples

Text

The CSS property to change the color of the text to RGB 177, 123, 178 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(177, 123, 178) looks like.

```
.text, #text, p{  
    color:rgb(177, 123, 178)  
}
```

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(177, 123, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 123, 178) }
```

Border

The CSS property to change the border of an element to RYB 177, 123, 178 is called "border". The border property can be set on classes, ids or directly on the HTML element.

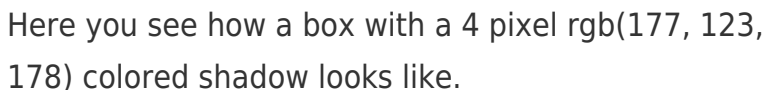
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 123, 178) }
```

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

```
.border{ border-color:rgb(177, 123, 178) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 123, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 123, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 123, 178); box-shadow:4px 4px 4px 4px rgb(177, 123, 178) }
```

Background

The CSS property to change the background color of an element to RYB 177, 123, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 123, 178) }
```

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

```
.background{ background-color: rgb(177,  
123, 178) }
```

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