Converting Colors

RYB(176, 58, 123)

Have a look what the booklet for RYB(176, 58, 123) contains.

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Color

RYB(176, 58, 123)

Conversions

Conversions Part 1

Format	Color
Hex	B03A7B
RGB	176, 58, 123
RGB Percent	69%, 23%, 48%
CMY	0.3098, 0.7725, 0.5176
CMYK	0.00, 0.67, 0.30, 0.31
HSL	327°, 50%, 46%
HSV	327°, 67%, 69%
XYZ	22.9927, 13.6863, 20.1688
YIQ	100.6920, 49.4630, 45.2310

Conversions

Conversions Part 2

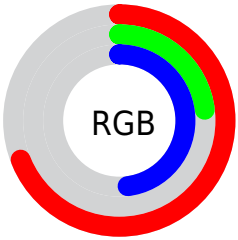
Format	Color
RYB	176, 58, 123
Decimal	11549307
CIELab	43.78, 53.87, -10.94
CIELCh	44, 54.974, 348.521
Yxy	13.6863, 0.4045, 0.2408
Android (android.graphics.Color)	4289739387 (0xFFB03A7B)
YUV	100.6920, 10.9978, 66.0451
Hunter-Lab	36.9950, 46.1981, -6.4270

Details

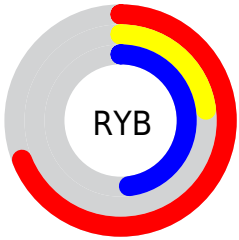
The RYB color 176, 58, 123 is a dark color, and the websafe version is hex 993366. A complement of this color would be 58, 139, 176, and the grayscale version is 101, 101, 101.

A 20% lighter version of the original color is 235, 113, 175, and 119, 0, 74 is the 20% darker color. If you saturate the color by 10%, you get 176, 40, 115, and if you desaturate by 10%, it is 176, 76, 131.

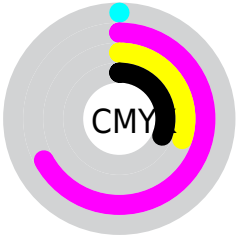
Distribution



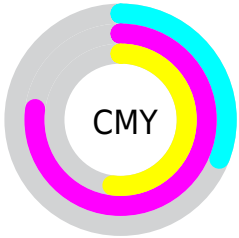
- Red (69%)
- Green (23%)
- Blue (48%)



- Red (69%)
- Yellow (23%)
- Blue (48%)



- Cyan (0%)
- Magenta (67%)
- Yellow (30%)
- Black (31%)



- Cyan (31%)
- Magenta (77%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 176, 58, 123 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 176, 58, 123 by changing the saturation by 10% instead.

176, 58, 123	176, 58, 123
255, 255, 255	147, 27, 98
235, 113, 175	119, 0, 74
255, 140, 203	92, 0, 52
255, 168, 231	66, 0, 31
255, 197, 255	40, 0, 2
255, 226, 255	0, 0, 0

176, 58, 123	176, 58, 123
176, 40, 115	176, 76, 131
176, 23, 107	176, 93, 139

176, 5, 99

176, 0, 97

176, 111, 147

176, 128, 155

176, 146, 163

176, 164, 170

176, 180, 181

176, 192, 199

176, 204, 216

Harmonies

Analogous

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

140, 78, 165

176, 58, 123

184, 57, 77

Triad

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

176, 58, 123

0, 110, 12

0, 71, 171

Complementary

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

176, 58, 123

58, 139, 176

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, 131

176, 58, 123

38, 119, 119

Square

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

176, 58, 123

64, 139, 0

0, 73, 123

0, 72, 193

Rectangle

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

176, 58, 123

177, 71, 49

0, 73, 123

0, 69, 159

Sweetspot

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

176, 58, 123

230, 184, 209

109, 58, 176

115, 87, 102

242, 242, 242

115, 115, 115

Same Dimension

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

176, 58, 123

230, 46, 147

176, 58, 66

89, 80, 85

153, 0, 84

26, 0, 14

Inverse Universe

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

176, 58, 123

230, 46, 147

58, 119, 176

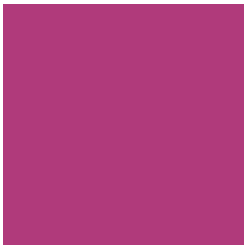
89, 80, 85

153, 0, 84

26, 0, 14

Previews

White Background

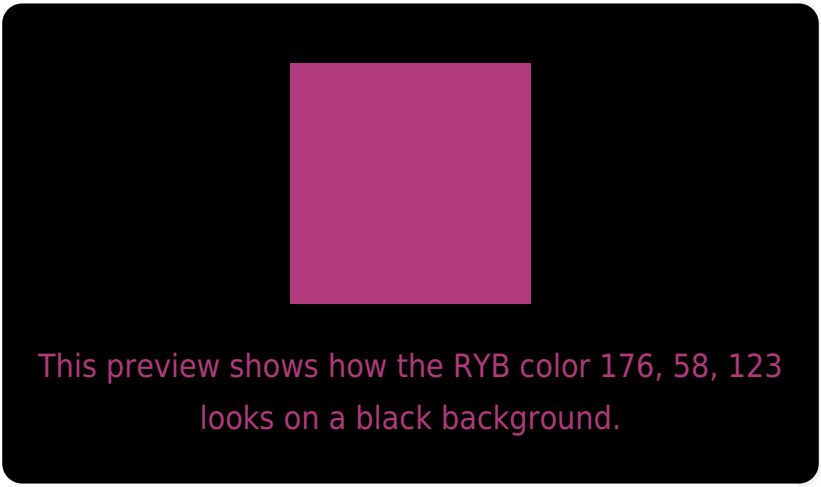


This preview shows how the RYB color 176, 58, 123 looks on a white background.

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

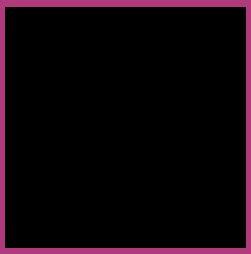


Color Contrast Check

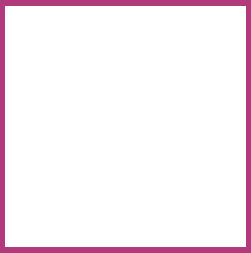
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RYB 176, 58, 123 Background



This preview shows how black text looks on a background with the RYB color 176, 58, 123.



This preview shows how white text looks on a background with the RYB color 176, 58, 123.

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

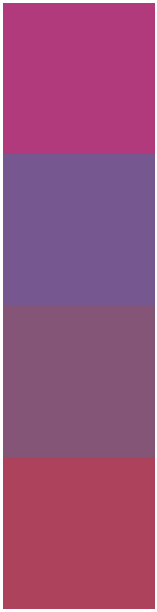
Original Color
176, 58, 123

Protanopia
87, 100, 155

Deuteranopia
109, 101, 117

Tritanopia
172, 70, 75

Trichromacy



Original Color
176, 58, 123

Protanomaly
119, 87, 143

Deuteranomaly
133, 85, 119

Tritanomaly
173, 66, 92

Monochromacy

Original Color
176, 58, 123

Achromatopsia
101, 101, 101

Achromatomaly
128, 85, 109

CSS Examples

Text

The CSS property to change the color of the text to RYB 176, 58, 123 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(176, 58, 123) looks like.

```
.text, #text, p{
    color:rgb(176, 58, 123)
}
```

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(176, 58, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 58, 123) }
```

Border

The CSS property to change the border of an element to RYB 176, 58, 123 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(176, 58, 123) }
```

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

```
.border{ border-color:rgb(176, 58, 123) }
```

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

Here you see how a box with a 4 pixel rgb(176, 58, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 58, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 58, 123); box-shadow:4px 4px 4px 4px rgb(176, 58, 123) }
```

Background

The CSS property to change the background color of an element to RYB 176, 58, 123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(176, 58, 123) }
```

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

```
.background{ background-color:rgb(176, 58,
123) }
```

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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