

Converting Colors

`RYB(181, 108, 178)`

Have a look what the booklet for
RYB(181, 108, 178) contains.

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Color

$\text{RYB}(181, 108, 178)$

Conversions

Conversions Part 1

Format	Color
Hex	B56CB2
RGB	181, 108, 178
RGB Percent	71%, 42%, 70%
CMY	0.2902, 0.5765, 0.3020
CMYK	0.00, 0.40, 0.02, 0.29
HSL	302°, 33%, 57%
HSV	302°, 40%, 71%
XYZ	32.4545, 23.7632, 44.9957
YIQ	137.8070, 21.0380, 37.2460

Conversions

Conversions Part 2

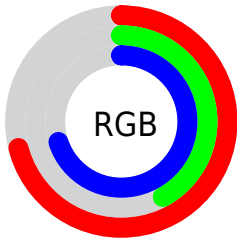
Format	Color
RYB	181, 108, 178
Decimal	11889842
CIELab	55.85, 39.78, -25.09
CIELCh	56, 47.029, 327.756
Yxy	23.7632, 0.3207, 0.2348
Android (android.graphics.Color)	4290079922 (0xFFB56CB2)
YUV	137.8070, 19.8151, 37.8803
Hunter-Lab	48.7475, 33.5312, -20.6035

Details

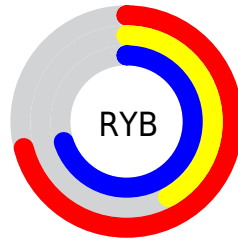
The RYB color **181, 108, 178** is a light color, and the websafe version is hex **996699**. A complement of this color would be **108, 178, 181**, and the grayscale version is **138, 138, 138**.

A 20% lighter version of the original color is **238, 161, 234**, and **127, 57, 125** is the 20% darker color. If you saturate the color by 10%, you get **181, 90, 177**, and if you desaturate by 10%, it is **181, 126, 179**.

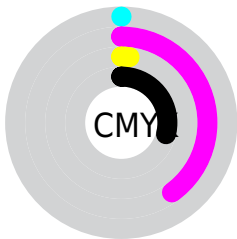
Distribution



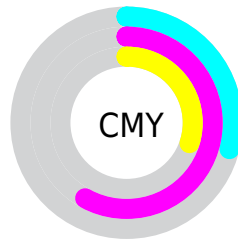
- Red (71%)
- Green (42%)
- Blue (70%)



- Red (71%)
- Yellow (42%)
- Blue (70%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (29%)




- Cyan (29%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 181, 108, 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 181, 108, 178 by changing the saturation by 10% instead.

 181, 108, 178


255, 255, 255

 238, 161, 234

 255, 189, 255

 255, 217, 255

 255, 246, 255

 181, 108, 178

 153, 82, 151

 127, 57, 125

 100, 32, 100

 75, 3, 76


 51, 0, 53


 27, 0, 31


 0, 0, 2


 0, 0, 0


 181, 108, 178


 181, 108, 178


 181, 90, 177


 181, 126, 179


 181, 72, 177


 181, 144, 179


 181, 54, 176


 181, 162, 180


 181, 36, 175

 181, 180, 181

 181, 17, 174

 181, 198, 199

 181, 0, 174

 181, 216, 217

 181, 233, 235

 181, 250, 253

 181, 251, 255

Harmonies

Analogous

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



131, 124, 206



181, 108, 178



206, 98, 139

Triad

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



181, 108, 178



85, 159, 48



0, 81, 171

Complementary

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



181, 108, 178



108, 178, 181

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, 84, 154



181, 108, 178



58, 143, 82

Square

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



181, 108, 178



191, 148, 65



66, 133, 150



0, 86, 202

Rectangle

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



181, 108, 178



210, 99, 111



66, 133, 150



0, 78, 157

Sweetspot

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



181, 108, 178



235, 206, 233



110, 108, 181



117, 101, 117



245, 245, 245



117, 117, 117

Same Dimension

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



181, 108, 178



235, 122, 230



181, 108, 142



89, 80, 89



153, 0, 147



26, 0, 24

Inverse Universe

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



181, 108, 178



235, 122, 230



108, 156, 181



89, 80, 89



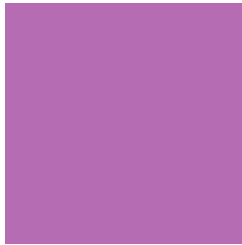
153, 0, 147



26, 0, 24

Previews

White Background



This preview shows how the RYB color 181, 108, 178 looks on a white background.

Color Contrast Check

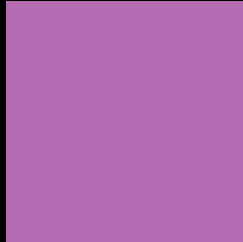
Large Text (above 18pt) WCAG AA ✓ Pass

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 181, 108, 178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

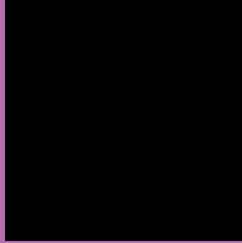
Any Text WCAG AA ✓ Pass

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 181, 108, 178 Background



This preview shows how black text looks on a background with the RYB color 181, 108, 178.

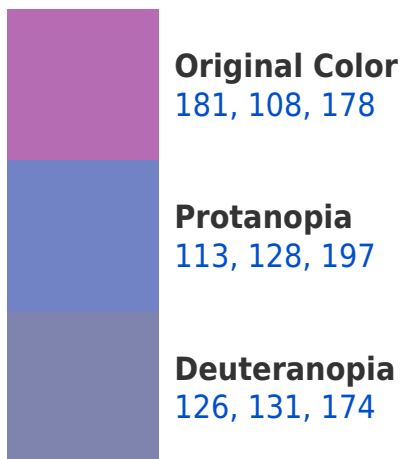



This preview shows how white text looks on a background with the RYB color 181, 108, 178.

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





Tritanopia
175, 119, 128

Trichromacy



Original Color

181, 108, 178



Protanomaly

138, 123, 190



Deuteranomaly

146, 123, 175



Tritanomaly

177, 115, 146

Monochromacy



Original Color

181, 108, 178



Achromatopsia

138, 138, 138



Achromatomaly

154, 127, 153

CSS Examples

Text

The CSS property to change the color of the text to RYB 181, 108, 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(181, 108, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 108, 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(181, 108, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 108, 178) }
```

Border

The CSS property to change the border of an element to RYB 181, 108, 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(181, 108, 178) }
```

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

```
.border{ border-color:rgb(181, 108, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 108, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 108, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 108, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 108,  
178) }
```

Background

The CSS property to change the background color of an element to RYB 181, 108, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 108, 178) }
```

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

```
.background{ background-color: rgb(181,  
108, 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](#).

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