

Converting Colors

`RYB(178, 119, 188)`

Have a look what the booklet for RYB(178, 119, 188) contains.

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Color

R_YB(178, 119, 188)

Conversions

Conversions Part 1

Format	Color
Hex	B277BC
RGB	178, 119, 188
RGB Percent	70%, 47%, 74%
CMY	0.3020, 0.5333, 0.2627
CMYK	0.05, 0.37, 0.00, 0.26
HSL	291°, 34%, 60%
HSV	291°, 37%, 74%
XYZ	34.0340, 26.2895, 50.8575
YIQ	144.5070, 13.0150, 33.9670

Conversions

Conversions Part 2

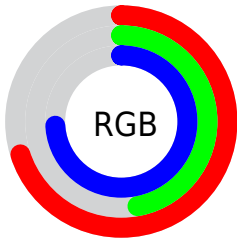
Format	Color
RYB	178, 119, 188
Decimal	11696060
CIELab	58.31, 34.75, -27.06
CIELCh	58, 44.040, 322.096
Yxy	26.2895, 0.3061, 0.2365
Android (android.graphics.Color)	4289886140 (0xFFB277BC)
YUV	144.5070, 21.4420, 29.3734
Hunter-Lab	51.2733, 28.7560, -22.9180

Details

The RYB color **178, 119, 188** is a light color, and the websafe version is hex **996699**. A complement of this color would be **119, 188, 178**, and the grayscale version is **144, 144, 144**.

A 20% lighter version of the original color is **235, 172, 244**, and **124, 69, 134** is the 20% darker color. If you saturate the color by 10%, you get **175, 100, 188**, and if you desaturate by 10%, it is **181, 138, 188**.

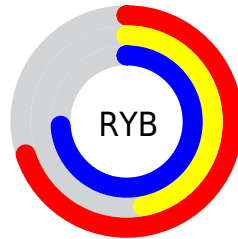
Distribution



Red (70%)

Green (47%)

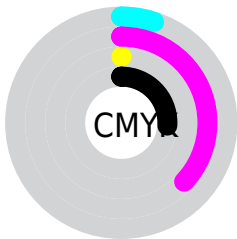
Blue (74%)



Red (70%)

Yellow (47%)

Blue (74%)

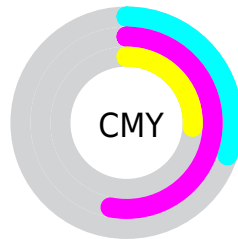


Cyan (5%)

Magenta (37%)

Yellow (0%)

Black (26%)



Cyan (30%)

Magenta (53%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 119, 188 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 178, 119, 188 by changing the saturation by 10% instead.

 178, 119, 188


255, 255, 255

 235, 172, 244

 255, 200, 255


 255, 228, 255

 178, 119, 188

 151, 94, 161

 124, 69, 134

 98, 45, 109

 73, 21, 84

 49, 0, 61

 29, 0, 39

 0, 1, 16

 0, 0, 0

 178, 119, 188

 178, 119, 188

175, 100, 188

181, 138, 188

173, 81, 188

183, 157, 188

170, 63, 188

186, 175, 188

167, 44, 188

188, 194, 193

164, 25, 188

188, 213, 209

162, 6, 188

188, 232, 226

161, 0, 188

188, 251, 242

188, 255, 243

188, 255, 240

Harmonies

Analogous

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



127, 133, 212



178, 119, 188



206, 109, 152

Triad

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



178, 119, 188



118, 172, 62



0, 82, 168

Complementary

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



178, 119, 188



119, 188, 178

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, 88, 159



178, 119, 188



66, 147, 78

Square

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



178, 119, 188



199, 140, 80



89, 153, 155



0, 88, 200

Rectangle

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



178, 119, 188



213, 108, 126



89, 153, 155



0, 81, 160

Sweetspot

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



178, 119, 188



241, 218, 245



119, 128, 188



120, 106, 122



250, 250, 250



122, 122, 122

Same Dimension

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



178, 119, 188



229, 137, 245



188, 119, 164



93, 85, 94



135, 0, 158



26, 0, 31

Inverse Universe

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



188, 119, 129



245, 137, 153



119, 170, 188



94, 85, 86



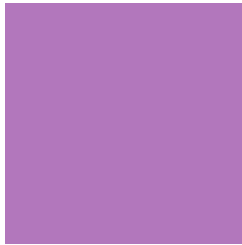
158, 0, 23



31, 0, 4

Previews

White Background



This preview shows how the RYB color 178, 119, 188 looks on a white background.

Color Contrast Check

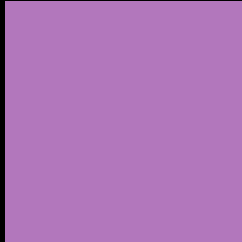
Large Text (above 18pt) WCAG AA ✓ Pass

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 178, 119, 188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

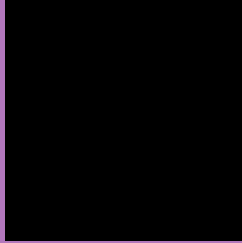
Any Text WCAG AA ✓ Pass

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 178, 119, 188 Background



This preview shows how black text looks on a background with the RYB color 178, 119, 188.

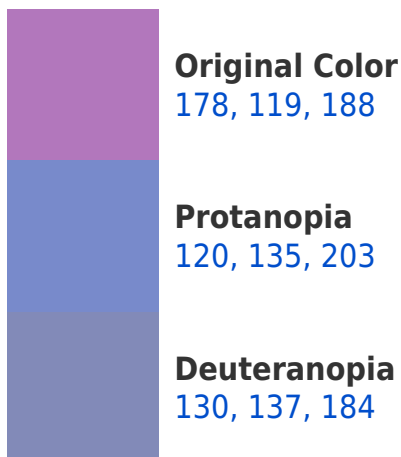


This preview shows how white text looks on a background with the RYB color 178, 119, 188.

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
171, 129, 139

Trichromacy



Original Color
178, 119, 188

Protanomaly
141, 131, 198

Deuteranomaly
147, 131, 185

Tritanomaly
174, 125, 157

Monochromacy



Original Color
178, 119, 188

Achromatopsia
145, 145, 145

Achromatomaly
157, 136, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 119, 188 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(178, 119, 188)` looks like.

```
.text, #text, p{  
    color:rgb(178, 119, 188)  
}
```

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(178, 119, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 119, 188) }
```

Border

The CSS property to change the border of an element to RYB 178, 119, 188 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(178, 119, 188) }
```

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

```
.border{ border-color:rgb(178, 119, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 119, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 119, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 119, 188);  
box-shadow:4px 4px 4px 4px rgb(178, 119,  
188) }
```

Background

The CSS property to change the background color of an element to RYB 178, 119, 188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 119, 188) }
```

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

```
.background{ background-color: rgb(178,  
119, 188) }
```

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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