

# Converting Colors

`RYB(178, 162, 199)`

Have a look what the booklet for  
RYB(178, 162, 199) contains.

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# Color

**R<sub>Y</sub>B(178, 162, 199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2A2C7
RGB	178, 162, 199
RGB Percent	70%, 64%, 78%
CMY	0.3020, 0.3647, 0.2196
CMYK	0.11, 0.19, 0.00, 0.22
HSL	266°, 25%, 71%
HSV	266°, 19%, 78%
XYZ	41.5892, 39.4292, 59.4514
YIQ	171.0020, -2.3410, 14.8990

# Conversions

## Conversions Part 2

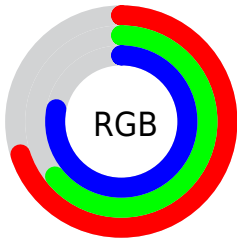
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 162, 199
Decimal	11707079
CIE <sub>Lab</sub>	69.06, 12.95, -16.81
CIE <sub>LCh</sub>	69, 21.220, 307.609
Yxy	39.4292, 0.2961, 0.2807
Android (android.graphics.Color)	4289897159 (0xFFB2A2C7)
YUV	171.0020, 13.8030, 6.1372
Hunter-Lab	62.7926, 8.3382, -12.1803

# Details

The RYB color **178, 162, 199** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **162, 199, 178**, and the grayscale version is **171, 171, 171**.

A 20% lighter version of the original color is **234, 217, 255**, and **125, 110, 145** is the 20% darker color. If you saturate the color by 10%, you get **167, 142, 199**, and if you desaturate by 10%, it is **189, 182, 199**.

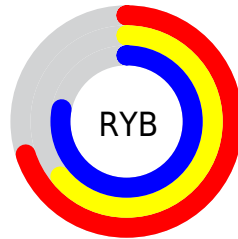
# Distribution



Red (70%)

Green (64%)

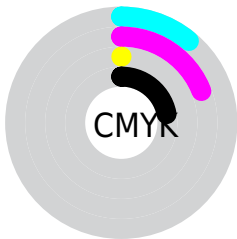
Blue (78%)



Red (70%)

Yellow (64%)

Blue (78%)

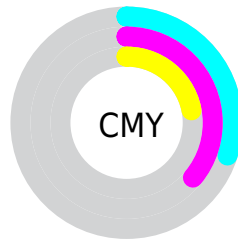


Cyan (11%)

Magenta (19%)

Yellow (0%)

Black (22%)



Cyan (30%)

Magenta (36%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 178, 162, 199 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, 162, 199 by changing the saturation by 10% instead.




 178, 162, 199

255, 255, 255

 234, 217, 255

 255, 245, 255


 178, 162, 199


 151, 136, 172

 125, 110, 145

 100, 86, 119

 76, 63, 95


 53, 41, 71

 31, 20, 48

 6, 0, 28

 0, 0, 0

 178, 162, 199

 178, 162, 199

167, 142, 199

189, 182, 199

155, 122, 199

199, 202, 200

144, 102, 199

199, 222, 209

133, 82, 199

199, 242, 218

122, 62, 199

199, 255, 220

110, 43, 199

199, 255, 208

99, 23, 199

199, 255, 199

88, 3, 199

86, 0, 199

# Harmonies

## Analogous

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



153, 165, 206



178, 162, 199



198, 157, 184

# Triad

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



178, 162, 199



196, 185, 134



119, 151, 180

# Complementary

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



178, 162, 199



162, 199, 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.



135, 165, 178



178, 162, 199



142, 178, 131

# Square

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



178, 162, 199



207, 159, 146



138, 175, 156



115, 149, 191

# Rectangle

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



178, 162, 199



205, 155, 171



138, 175, 156



123, 155, 179



# Sweetspot

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



178, 162, 199



246, 240, 255



162, 176, 199



122, 119, 128



0, 0, 0



128, 128, 128



# Same Dimension

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



178, 162, 199



223, 199, 255



196, 162, 199



94, 90, 99



71, 0, 163



15, 0, 36



# Inverse Universe

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



199, 162, 183



255, 199, 231



162, 199, 196



99, 90, 95



163, 0, 93

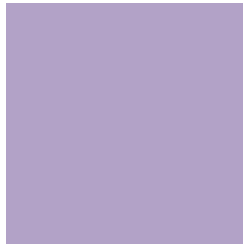


36, 0, 20



# Previews

## White Background



This preview shows how the RYB color 178, 162, 199 looks on a white background.

## Color Contrast Check

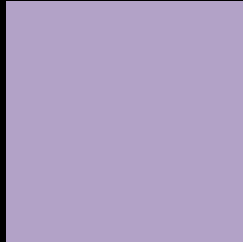
Large Text (above 18pt) WCAG AA × Fail

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, 162, 199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

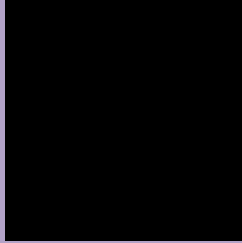
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## **RYB 178, 162, 199 Background**



This preview shows how black text looks on a background with the RYB color 178, 162, 199.



This preview shows how white text looks on a background with the RYB color 178, 162, 199.

# 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**

178, 162, 199

**Protanopia**

161, 166, 202

**Deuteranopia**

170, 165, 198



# Tritanopia

175, 166, 179

# Trichromacy



**Original Color**  
178, 162, 199

**Protanomaly**  
167, 165, 201

**Deuteranomaly**  
173, 164, 198

**Tritanomaly**  
176, 165, 186

# Monochromacy



**Original Color**  
178, 162, 199

**Achromatopsia**  
171, 171, 171

**Achromatomaly**  
174, 168, 181

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 178, 162, 199 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, 162, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 199)  
}
```

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, 162, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 199) }
```

## Border

The CSS property to change the border of an element to RYB 178, 162, 199 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, 162, 199) }
```

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

```
.border{ border-color:rgb(178, 162, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 199);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
199) }
```

# Background

The CSS property to change the background color of an element to RYB 178, 162, 199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 199) }
```

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

```
.background{ background-color: rgb(178,  
162, 199) }
```

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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