

Converting Colors

`RYB(178, 157, 202)`

Have a look what the booklet for
RYB(178, 157, 202) contains.

RYB(178, 157, 202)	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(178, 157, 202)

Conversions

Conversions Part 1

Format	Color
Hex	B29DCA
RGB	178, 157, 202
RGB Percent	70%, 62%, 79%
CMY	0.3020, 0.3843, 0.2078
CMYK	0.12, 0.22, 0.00, 0.21
HSL	268°, 30%, 70%
HSV	268°, 22%, 79%
XYZ	41.0777, 37.8432, 61.0165
YIQ	168.4090, -1.9290, 18.4470

Conversions

Conversions Part 2

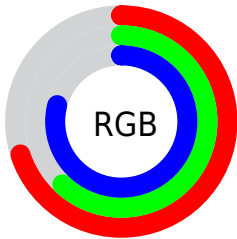
Format	Color
RYB	178, 157, 202
Decimal	11705802
CIELab	67.90, 16.37, -20.23
CIELCh	68, 26.021, 308.987
Yxy	37.8432, 0.2935, 0.2704
Android (android.graphics.Color)	4289895882 (0xFFB29DCA)
YUV	168.4090, 16.5604, 8.4113
Hunter-Lab	61.5168, 11.5386, -15.7461

Details

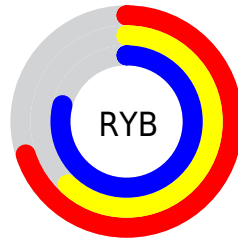
The RYB color **178, 157, 202** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **157, 202, 178**, and the grayscale version is **168, 168, 168**.

A 20% lighter version of the original color is **234, 212, 255**, and **125, 106, 148** is the 20% darker color. If you saturate the color by 10%, you get **167, 137, 202**, and if you desaturate by 10%, it is **189, 177, 202**.

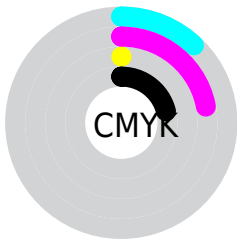
Distribution



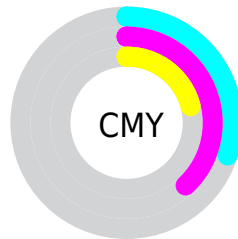
- Red (70%)
- Green (62%)
- Blue (79%)



- Red (70%)
- Yellow (62%)
- Blue (79%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)



- Cyan (30%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the RYB color 178, 157, 202 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, 157, 202 by changing the saturation by 10% instead.


 178, 157, 202

255, 255, 255

 234, 212, 255

 255, 240, 255

 178, 157, 202

 151, 131, 175

 125, 106, 148

 100, 81, 122

 75, 58, 97

 52, 36, 73

 30, 16, 50

 0, 0, 29

 0, 0, 0

 178, 157, 202

 178, 157, 202

167, 137, 202

189, 177, 202

156, 117, 202

200, 197, 202

146, 96, 202

202, 218, 210

135, 76, 202

202, 238, 219

124, 56, 202

202, 255, 225

113, 36, 202

202, 255, 214

103, 16, 202

202, 255, 204

94, 0, 202

202, 255, 202

Harmonies

Analogous

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



146, 161, 211



178, 157, 202



201, 150, 183

Triad

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



178, 157, 202



197, 191, 122



101, 142, 179

Complementary

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



178, 157, 202



157, 202, 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.



122, 159, 177



178, 157, 202



130, 175, 119

Square

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



178, 157, 202



210, 154, 137



128, 173, 152



95, 140, 194

Rectangle

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



178, 157, 202



210, 148, 167



128, 173, 152



107, 147, 179

Sweetspot

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



178, 157, 202



245, 237, 255



157, 173, 202



122, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



178, 157, 202



218, 186, 255



201, 157, 202



97, 92, 102



77, 0, 166



18, 0, 38

Inverse Universe

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



202, 157, 181



255, 186, 223



157, 202, 200



102, 92, 97



166, 0, 88



38, 0, 20

Previews

White Background



This preview shows how the RYB color 178, 157, 202 looks on a white background.

Color Contrast Check

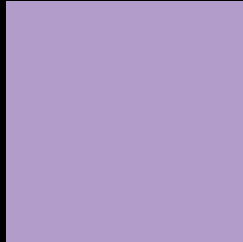
Large Text (above 18pt) WCAG AA × Fail

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, 157, 202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

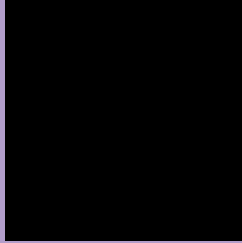
Any Text WCAG AA ✓ Pass

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, 157, 202 Background



This preview shows how black text looks on a background with the RYB color 178, 157, 202.



This preview shows how white text looks on a background with the RYB color 178, 157, 202.

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, 157, 202

Protanopia
155, 163, 207

Deuteranopia
164, 162, 201



Tritanopia

174, 162, 175

Trichromacy



Original Color
178, 157, 202

Protanomaly
163, 161, 205

Deuteranomaly
169, 160, 201

Tritanomaly
175, 160, 185

Monochromacy



Original Color
178, 157, 202

Achromatopsia
168, 168, 168

Achromatomaly
172, 164, 180

CSS Examples

Text

The CSS property to change the color of the text to RYB 178, 157, 202 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, 157, 202) looks like.

```
.text, #text, p{  
    color:rgb(178, 157, 202)  
}
```

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, 157, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 157, 202) }
```

Border

The CSS property to change the border of an element to RYB 178, 157, 202 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, 157, 202) }
```

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

```
.border{ border-color:rgb(178, 157, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 157, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 157, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 157, 202);  
box-shadow:4px 4px 4px 4px rgb(178, 157,  
202) }
```

Background

The CSS property to change the background color of an element to RYB 178, 157, 202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 157, 202) }
```

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

```
.background{ background-color: rgb(178,  
157, 202) }
```

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