

Converting Colors

`RYB(212, 123, 158)`

Have a look what the booklet for RYB(212, 123, 158) contains.

RYB(212, 123, 158)	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

`RYB(212, 123, 158)`

Conversions

Conversions Part 1

Format	Color
Hex	D47B9E
RGB	212, 123, 158
RGB Percent	83%, 48%, 62%
CMY	0.1686, 0.5176, 0.3804
CMYK	0.00, 0.42, 0.25, 0.17
HSL	336°, 51%, 66%
HSV	336°, 42%, 83%
XYZ	40.4059, 30.6316, 36.1306
YIQ	153.6010, 41.8090, 29.7530

Conversions

Conversions Part 2

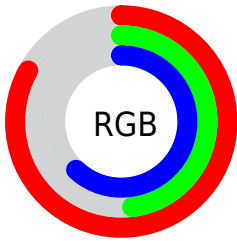
Format	Color
R_{YB}	212, 123, 158
Decimal	13925278
CIE _{Lab}	62.20, 38.91, -3.64
CIE _{LCh}	62, 39.079, 354.650
Yxy	30.6316, 0.3770, 0.2858
Android (android.graphics.Color)	4292115358 (0xFFD47B9E)
YUV	153.6010, 2.1687, 51.2159
Hunter-Lab	55.3458, 33.4610, 0.0366

Details

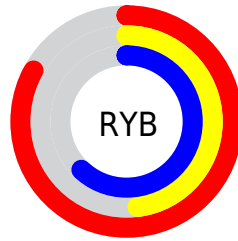
The RYB color **212, 123, 158** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **123, 178, 212**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **255, 177, 213**, and **155, 72, 107** is the 20% darker color. If you saturate the color by 10%, you get **212, 102, 145**, and if you desaturate by 10%, it is **212, 144, 171**.

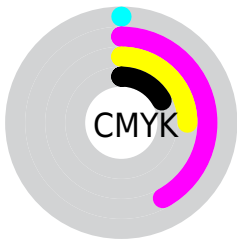
Distribution



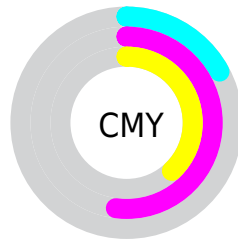
- Red (83%)
- Green (48%)
- Blue (62%)



- Red (83%)
- Yellow (48%)
- Blue (62%)



- Cyan (0%)
- Magenta (42%)
- Yellow (25%)
- Black (17%)



- Cyan (17%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the RYB color 212, 123, 158 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 212, 123, 158 by changing the saturation by 10% instead.

 212, 123, 158

255, 255, 255

 255, 177, 213

 255, 205, 241


 255, 234, 255

 212, 123, 158

 183, 97, 132

 155, 72, 107

 128, 46, 83

 101, 19, 60

 75, 0, 38


 51, 0, 17


 13, 0, 0

 0, 0, 0

 212, 123, 158

 212, 123, 158


 212, 102, 145

 212, 144, 171

 212, 81, 132

 212, 165, 184

 212, 59, 119

 212, 187, 197

 212, 38, 107

 212, 208, 209

 212, 17, 94

 212, 223, 229

 212, 0, 83

 212, 236, 250

 212, 235, 255

 212, 234, 255

Harmonies

Analogous

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



188, 131, 191



212, 123, 158



217, 124, 123

Triad

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



212, 123, 158



86, 157, 100



0, 91, 206

Complementary

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



212, 123, 158



123, 178, 212

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, 86, 178



212, 123, 158



102, 158, 164

Square

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



212, 123, 158



128, 178, 80



47, 114, 168



83, 131, 219

Rectangle

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



212, 123, 158



210, 139, 103



47, 114, 168



0, 90, 198

Sweetspot

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



212, 123, 158



255, 222, 235



176, 123, 212



128, 107, 115



0, 0, 0



128, 128, 128

Same Dimension

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



212, 123, 158



255, 128, 178



212, 133, 123



107, 96, 101



171, 0, 67



43, 0, 17

Inverse Universe

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



212, 123, 158



255, 128, 178



123, 165, 212



107, 96, 101



171, 0, 67



43, 0, 17

Previews

White Background



This preview shows how the RYB color 212, 123, 158 looks on a white background.

Color Contrast Check

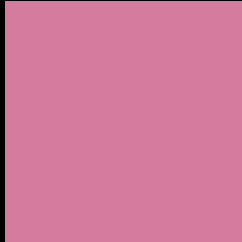
Large Text (above 18pt) WCAG AA × Fail

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 212, 123, 158 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 212, 123, 158 Background



This preview shows how black text looks on a background with the RYB color 212, 123, 158.



This preview shows how white text looks on a background with the RYB color 212, 123, 158.

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
212, 123, 158

Protanopia
146, 150, 175

Deuteranopia
164, 146, 154



Tritanopia
210, 127, 136

Trichromacy



Original Color
212, 123, 158

Protanomaly
170, 140, 169

Deuteranomaly
181, 138, 155

Tritanomaly
211, 126, 144

Monochromacy



Original Color
212, 123, 158

Achromatopsia
154, 154, 154

Achromatomaly
175, 143, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 212, 123, 158 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(212, 123, 158) looks like.

```
.text, #text, p{  
    color:rgb(212, 123, 158)  
}
```

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(212, 123, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 123, 158) }
```

Border

The CSS property to change the border of an element to RYB 212, 123, 158 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(212, 123, 158) }
```

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

```
.border{ border-color:rgb(212, 123, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 123, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 123, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 123, 158);  
box-shadow:4px 4px 4px 4px rgb(212, 123,  
158) }
```

Background

The CSS property to change the background color of an element to RGB 212, 123, 158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 123, 158) }
```

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

```
.background{ background-color: rgb(212,  
123, 158) }
```

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