

# Converting Colors

`RYB(212, 119, 161)`

Have a look what the booklet for  
RYB(212, 119, 161) contains.

<b>RYB(212, 119, 161)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**$\text{RYB}(212, 119, 161)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	D477A1
RGB	212, 119, 161
RGB Percent	83%, 47%, 63%
CMY	0.1686, 0.5333, 0.3686
CMYK	0.00, 0.44, 0.24, 0.17
HSL	333°, 52%, 65%
HSV	333°, 44%, 83%
XYZ	40.1812, 29.7639, 37.3454
YIQ	151.5950, 41.9460, 32.7780

# Conversions

## Conversions Part 2

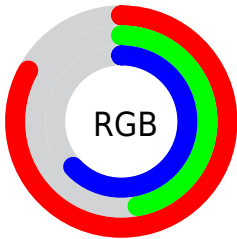
Format	Color
R <sub>YB</sub>	212, 119, 161
Decimal	13924257
CIE Lab	61.45, 41.42, -6.46
CIE LCh	61, 41.925, 351.131
Yxy	29.7639, 0.3745, 0.2774
Android (android.graphics.Color)	4292114337 (0xFFD477A1)
YUV	151.5950, 4.6367, 52.9752
Hunter-Lab	54.5563, 35.9934, -2.3964

# Details

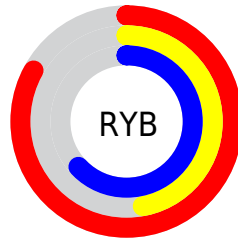
The RYB color **212, 119, 161** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **119, 179, 212**, and the grayscale version is **152, 152, 152**.

A 20% lighter version of the original color is **255, 173, 216**, and **155, 67, 110** is the 20% darker color. If you saturate the color by 10%, you get **212, 98, 149**, and if you desaturate by 10%, it is **212, 140, 173**.

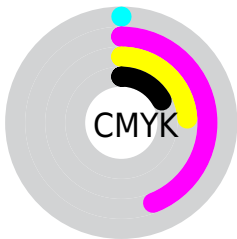
# Distribution



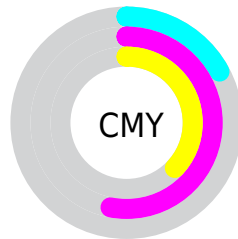
- Red (83%)
- Green (47%)
- Blue (63%)



- Red (83%)
- Yellow (47%)
- Blue (63%)



- Cyan (0%)
- Magenta (44%)
- Yellow (24%)
- Black (17%)



- Cyan (17%)
- Magenta (53%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the RYB color 212, 119, 161 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, 119, 161 by changing the saturation by 10% instead.



 212, 119, 161

 212, 119, 161

255, 255, 255

 183, 93, 135

 255, 173, 216

 155, 67, 110

 255, 201, 244

 128, 42, 85

 255, 230, 255


 101, 12, 62


 75, 0, 40

 51, 0, 20

 12, 0, 0

 0, 0, 0

 212, 119, 161

 212, 119, 161

212, 98, 149

212, 140, 173

212, 77, 138

212, 161, 184

212, 55, 126

212, 183, 196

212, 34, 114

212, 204, 208

212, 13, 103

212, 220, 225

212, 0, 96

212, 234, 246

212, 237, 255

212, 234, 255

212, 234, 255

# Harmonies

## Analogous

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



184, 129, 195



212, 119, 161



219, 119, 124

# Triad

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



212, 119, 161



77, 154, 86



0, 91, 205

# Complementary

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



212, 119, 161



119, 179, 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, 85, 174



212, 119, 161



100, 163, 161

# Square

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



212, 119, 161



135, 181, 74



38, 111, 167



59, 119, 221

# Rectangle

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



212, 119, 161



213, 132, 101



38, 111, 167



0, 90, 196

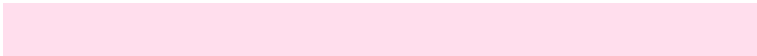


# Sweetspot

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



212, 119, 161



255, 222, 237



169, 119, 212



128, 107, 116



0, 0, 0



128, 128, 128



# Same Dimension

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



212, 119, 161



255, 120, 181



212, 122, 119



107, 96, 101



171, 0, 77



43, 0, 20



# Inverse Universe

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



212, 119, 161



255, 120, 181



119, 165, 212



107, 96, 101



171, 0, 77



43, 0, 20



# Previews

## White Background



This preview shows how the RYB color 212, 119, 161 looks on a white background.

## Color Contrast Check

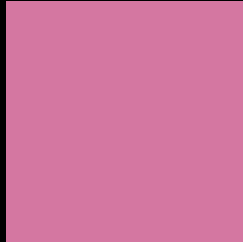
Large Text (above 18pt) WCAG AA ✓ Pass

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 212, 119, 161 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 212, 119, 161 Background**



This preview shows how black text looks on a background with the RYB color 212, 119, 161.



This preview shows how white text looks on a background with the RYB color 212, 119, 161.

# 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, 119, 161

**Protanopia**  
142, 146, 179

**Deuteranopia**  
160, 144, 157



**Tritanopia**  
209, 124, 133

# Trichromacy



**Original Color**

212, 119, 161



**Protanomaly**

167, 137, 172



**Deuteranomaly**

179, 135, 158



**Tritanomaly**

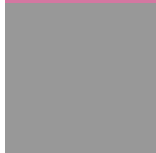
210, 122, 143

# Monochromacy



**Original Color**

212, 119, 161



**Achromatopsia**

152, 152, 152



**Achromatomaly**

174, 140, 155

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 212, 119, 161 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, 119, 161) looks like.

```
.text, #text, p{  
    color:rgb(212, 119, 161)  
}
```

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, 119, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 119, 161) }
```

## Border

The CSS property to change the border of an element to RYB 212, 119, 161 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, 119, 161) }
```

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

```
.border{ border-color:rgb(212, 119, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 119, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 119, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 119, 161);  
box-shadow:4px 4px 4px 4px rgb(212, 119,  
161) }
```

# Background

The CSS property to change the background color of an element to RGB 212, 119, 161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 119, 161) }
```

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

```
.background{ background-color: rgb(212,  
119, 161) }
```

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