

# Converting Colors

`RYB(218, 117, 192)`

Have a look what the booklet for  
RYB(218, 117, 192) contains.

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# Color

**$\text{RYB}(218, 117, 192)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA75C0
RGB	218, 117, 192
RGB Percent	85%, 46%, 75%
CMY	0.1451, 0.5412, 0.2471
CMYK	0.00, 0.46, 0.12, 0.15
HSL	315°, 58%, 66%
HSV	315°, 46%, 85%
XYZ	44.7892, 31.4338, 53.5758
YIQ	155.7490, 36.1210, 44.7370

# Conversions

## Conversions Part 2

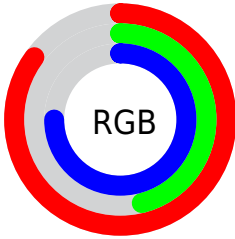
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	218, 117, 192
Decimal	14316992
CIE <sub>Lab</sub>	62.87, 49.12, -21.91
CIE <sub>LCh</sub>	63, 53.786, 335.964
Yxy	31.4338, 0.3451, 0.2422
Android (android.graphics.Color)	4292507072 (0xFFDA75C0)
YUV	155.7490, 17.8717, 54.5941
Hunter-Lab	56.0658, 44.4826, -17.4107

# Details

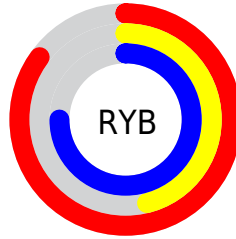
The RYB color **218, 117, 192** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **117, 197, 218**, and the grayscale version is **156, 156, 156**.

A 20% lighter version of the original color is **255, 172, 249**, and **161, 64, 138** is the 20% darker color. If you saturate the color by 10%, you get **218, 95, 186**, and if you desaturate by 10%, it is **218, 139, 198**.

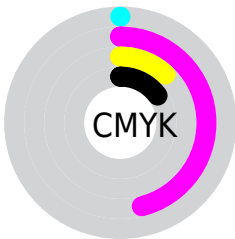
# Distribution



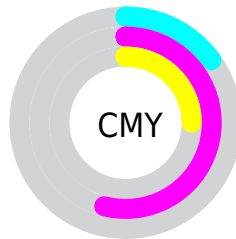
- Red (85%)
- Green (46%)
- Blue (75%)



- Red (85%)
- Yellow (46%)
- Blue (75%)



- Cyan (0%)
- Magenta (46%)
- Yellow (12%)
- Black (15%)



- Cyan (15%)
- Magenta (54%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the RYB color 218, 117, 192 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 218, 117, 192 by changing the saturation by 10% instead.




 218, 117, 192

255, 255, 255


 255, 172, 249


 255, 200, 255

 255, 229, 255

 218, 117, 192

 189, 90, 165

 161, 64, 138

 133, 36, 113

 106, 0, 88


 80, 0, 65

 56, 0, 42

 27, 0, 21

 0, 0, 0

 218, 117, 192

 218, 117, 192

218, 95, 186

218, 139, 198

218, 73, 181

218, 161, 203

218, 52, 175

218, 182, 209

218, 30, 170

218, 204, 214

218, 8, 164

218, 224, 226

218, 0, 162

218, 242, 248

218, 245, 255

218, 242, 255

218, 240, 255

# Harmonies

## Analogous

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



167, 136, 230



218, 117, 192



240, 109, 144

# Triad

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



218, 117, 192



70, 170, 50



0, 95, 207

# Complementary

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



218, 117, 192



117, 197, 218

# 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, 92, 176



218, 117, 192



70, 165, 116

# Square

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



218, 117, 192



209, 205, 63



41, 127, 173



0, 98, 239

# Rectangle

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



218, 117, 192



239, 113, 113



41, 127, 173



0, 92, 193



# Sweetspot

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



218, 117, 192



255, 219, 246



142, 117, 218



128, 106, 122



0, 0, 0



128, 128, 128



# Same Dimension

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



218, 117, 192



255, 112, 218



218, 117, 142



110, 99, 107



173, 0, 129



46, 0, 34



# Inverse Universe

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



218, 117, 192



255, 112, 218



117, 175, 218



110, 99, 107



173, 0, 129



46, 0, 34



# Previews

## White Background



This preview shows how the RYB color 218, 117, 192 looks on a white background.

## Color Contrast Check

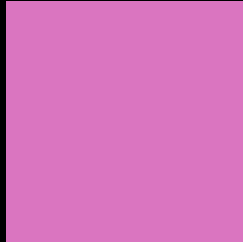
Large Text (above 18pt) WCAG AA × Fail

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 218, 117, 192 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 218, 117, 192 Background**



This preview shows how black text looks on a background with the RYB color 218, 117, 192.

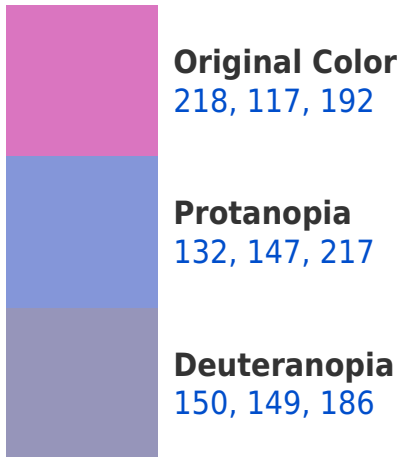


This preview shows how white text looks on a background with the RYB color 218, 117, 192.

# 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

212, 128, 138

# Trichromacy



**Original Color**

218, 117, 192



**Protanomaly**

163, 138, 208



**Deuteranomaly**

175, 137, 188



**Tritanomaly**

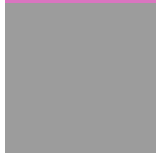
214, 124, 158

# Monochromacy



**Original Color**

218, 117, 192



**Achromatopsia**

156, 156, 156



**Achromatomaly**

179, 142, 169

# CSS Examples

## Text

The CSS property to change the color of the text to RYB 218, 117, 192 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(218, 117, 192) looks like.

```
.text, #text, p{  
    color:rgb(218, 117, 192)  
}
```

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(218, 117, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 117, 192) }
```

## Border

The CSS property to change the border of an element to RYB 218, 117, 192 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(218, 117, 192) }
```

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

```
.border{ border-color:rgb(218, 117, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 117, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 117, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 117, 192);  
box-shadow:4px 4px 4px 4px rgb(218, 117,  
192) }
```

# Background

The CSS property to change the background color of an element to RYB 218, 117, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 117, 192) }
```

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

```
.background{ background-color: rgb(218,  
117, 192) }
```

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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