

Converting Colors

`RYB(204, 118, 178)`

Have a look what the booklet for
RYB(204, 118, 178) contains.

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Color

$\text{RYB}(204, 118, 178)$

Conversions

Conversions Part 1

Format	Color
Hex	CC76B2
RGB	204, 118, 178
RGB Percent	80%, 46%, 70%
CMY	0.2000, 0.5373, 0.3020
CMYK	0.00, 0.42, 0.13, 0.20
HSL	318°, 46%, 63%
HSV	318°, 42%, 80%
XYZ	39.4162, 29.0086, 45.6412
YIQ	150.5540, 31.9960, 36.8920

Conversions

Conversions Part 2

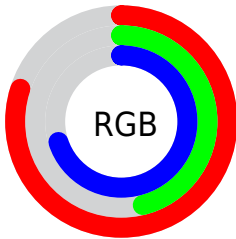
Format	Color
R_{YB}	204, 118, 178
Decimal	13399730
CIE _{Lab}	60.79, 41.87, -17.28
CIE _{LCh}	61, 45.301, 337.571
Yxy	29.0086, 0.3456, 0.2543
Android (android.graphics.Color)	4291589810 (0xFFCC76B2)
YUV	150.5540, 13.5309, 46.8721
Hunter-Lab	53.8596, 36.3775, -12.5413

Details

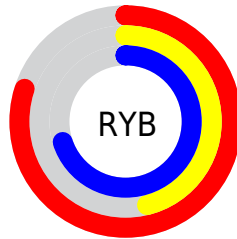
The RYB color **204, 118, 178** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **118, 184, 204**, and the grayscale version is **150, 150, 150**.

A 20% lighter version of the original color is **255, 172, 234**, and **148, 66, 125** is the 20% darker color. If you saturate the color by 10%, you get **204, 98, 172**, and if you desaturate by 10%, it is **204, 138, 184**.

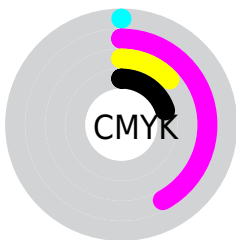
Distribution



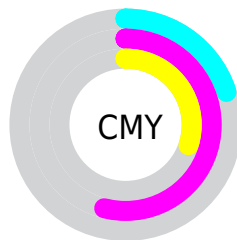
- Red (80%)
- Green (46%)
- Blue (70%)



- Red (80%)
- Yellow (46%)
- Blue (70%)



- Cyan (0%)
- Magenta (42%)
- Yellow (13%)
- Black (20%)




- Cyan (20%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the RYB color 204, 118, 178 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 204, 118, 178 by changing the saturation by 10% instead.


 204, 118, 178

 204, 118, 178


255, 255, 255

 176, 92, 151

 255, 172, 234

 148, 66, 125

 255, 200, 255

 121, 41, 100

 255, 228, 255


 95, 11, 76

 69, 0, 53

 47, 0, 32

 4, 0, 4

 0, 0, 0

 204, 118, 178

 204, 118, 178

■ 204, 98, 172

■ 204, 138, 184

■ 204, 77, 166

■ 204, 159, 190

■ 204, 57, 159

■ 204, 179, 197

■ 204, 36, 153

■ 204, 200, 203

■ 204, 16, 147

■ 204, 216, 220

■ 204, 0, 142

■ 204, 232, 240

■ 204, 242, 255

■ 204, 239, 255

■ 204, 236, 255

Harmonies

Analogous

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



163, 132, 210



204, 118, 178



221, 113, 138

Triad

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



204, 118, 178



79, 161, 64



0, 89, 194

Complementary

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



204, 118, 178



118, 184, 204

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, 167



204, 118, 178



81, 158, 121

Square

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



204, 118, 178



193, 195, 72



61, 129, 165



0, 92, 220

Rectangle

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



204, 118, 178



221, 116, 112



61, 129, 165



0, 87, 182

Sweetspot

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



204, 118, 178



255, 222, 245



144, 118, 204



128, 107, 121



0, 0, 0



128, 128, 128

Same Dimension

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



204, 118, 178



255, 125, 216



204, 118, 135



102, 92, 99



166, 0, 116



38, 0, 27

Inverse Universe

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



204, 118, 178



255, 125, 216



118, 166, 204



102, 92, 99



166, 0, 116



38, 0, 27

Previews

White Background



This preview shows how the RYB color 204, 118, 178 looks on a white background.

Color Contrast Check

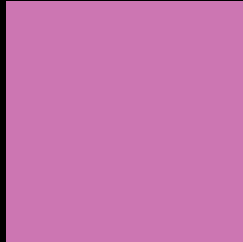
Large Text (above 18pt) WCAG AA ✓ Pass

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 204, 118, 178 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 204, 118, 178 Background



This preview shows how black text looks on a background with the RYB color 204, 118, 178.

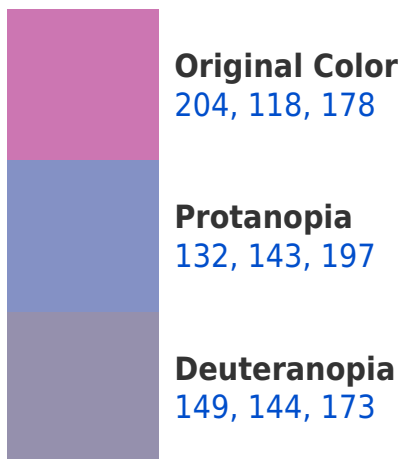


This preview shows how white text looks on a background with the RYB color 204, 118, 178.

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
199, 126, 136

Trichromacy



Original Color

204, 118, 178



Protanomaly

158, 135, 190



Deuteranomaly

169, 135, 175



Tritanomaly

201, 123, 151

Monochromacy



Original Color

204, 118, 178



Achromatopsia

151, 151, 151



Achromatomaly

170, 139, 161

CSS Examples

Text

The CSS property to change the color of the text to RYB 204, 118, 178 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(204, 118, 178) looks like.

```
.text, #text, p{  
    color:rgb(204, 118, 178)  
}
```

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(204, 118, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 118, 178) }
```

Border

The CSS property to change the border of an element to RYB 204, 118, 178 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(204, 118, 178) }
```

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

```
.border{ border-color:rgb(204, 118, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 118, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 118, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 118, 178);  
box-shadow:4px 4px 4px 4px rgb(204, 118,  
178) }
```

Background

The CSS property to change the background color of an element to RGB 204, 118, 178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 118, 178) }
```

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

```
.background{ background-color: rgb(204,  
118, 178) }
```

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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